BOISE STATE UNIVERSITY 97/98

UNDERGRADUATE CATALOG

How can I apply to BSU?

See Chapter 3, pages 17-21

How can I get advising help?

See Chapter 4, page 22

How can I register for classes?

See Chapter 4, page 22

How much do I have to pay?

See Chapter 6, pages 26-28

Where can I get financial aid?

See Chapter 7, pages 29-31

How do I start choosing classes?

See Chapter 11, pages 39-42

What classes do I need for my major?

See Chapters 13 and 14, pages 57-236

How do I get access to computers, e-mail, the web?

See Chapter 1, page 6

Where is the campus map?

See inside back cover

How to Use This Catalog

This catalog serves many audiences, but it is primarily directed at students. In the first part of the catalog you will find an overview of Boise State University, along with information on admission, registration, fees, financial aid, housing, student activities, student services, and other policies and procedures.

Of course, your most important concern will be choosing an academic or technical program of study that fits your interests. Consequently, you will need to understand the requirements for the particular degree or certificate you decide to pursue. Most of this catalog is devoted to describing the various programs and courses offered at Boise State University.

Chapter 11 is your starting point for choosing an academic or technical program of study. It describes the various types of degrees and certificates offered, the general requirements for each type, and other policies and procedures that apply to all degrees. It also tells you how to read the table of requirements for your chosen program.

Chapter 12 will help you find the information you need about specific programs and course offerings. It lists every program of study offered at BSU and describes which unit administers the program and on what page you will find its specific requirements listed. Chapter 12 also lists all course prefixes and their meanings.

Chapter 13 describes in detail all the undergraduate academic programs and course offerings, while Chapter 14 does the same for the applied technology programs. Within each chapter, programs are listed alphabetically (with cross-references as needed).

We have tried to make this catalog as easy to use as possible, but you will probably still have questions. For questions regarding your academic program, you should contact your advisor (or the Advising Center, if you have not chosen a major). For questions on other issues (for example, admission, registration, fees) contact the offices listed in the appropriate chapter.

The following publications also contain important information:

- BSU *Directory of Classes*
- BSU *Summer Bulletin*
- BSU *Student Handbook*
- BSU *Administrative Handbook*
- *A Student's Guide to Writing at BSU*
- *Credit for Prior Learning at BSU*
- BSU *Graduate Catalog*

Changes made to this catalog since publication will be reflected in the online catalog found at http://www.idbsu.edu/regstrar/catalogs.html.

Table of Contents

Boise State University
Academic Calendar—1997-98

Summer Session 1997

For Registration Information, see the *Summer Directory of Classes*

May 2, Friday.....Last day to submit "Admission to Candidacy" form to the Graduate Admissions Office for master's degree to be awarded in August or December, 1997.
May 9, Friday.....Last date to mail 1996-97 "Free Application for Federal Student Aid" (FAFSA) for consideration for financial aid for 1996-97 (including summer, 1997).
May 12, Monday.....Auto Body, Heavy Duty/Diesel Mechanics, Welding/Metal Fabrication, and Respiratory Therapy Technician Programs begin.
May 19, Monday.....M.B.A. Program begins.
May 19, Monday.....Practical Nursing - Boise, Practical Nursing - Nampa, and Office Occupations Programs begin.
May 23, Friday.....Fee-payment deadline for summer session.
June 2, Monday.....Classes begin for 8-week, 10-week and first 5-week sessions (for refund information, see Summer Directory of Classes).
June 6, Friday.....Last day to file application for graduation for master's, baccalaureate and two-year or less degrees and certificates for August graduation - Registrar's Office.
June 6, Friday.....Last day to submit the BSU summer financial aid application. Date by which the 1996-97 "Free Application for Federal Student Aid" (FAFSA) must be received in the BSU Financial Aid Office to be considered for summer financial aid. The FAFSA is processed by a federal agency and the suggested last date to mail it is May 9 to ensure timely processing.
June 30, Monday.....Last day to pick up Summer Pell Grant checks.
June 30, Monday.....Respiratory Therapy Technician Program (1997-98 class) begins.
July 3, Thursday.....Auto Body, Heavy Duty/Diesel Mechanics, and Welding/Metal Fabrication Programs end.
July 3, Thursday.....First 5-week session ends.
July 4, Friday.....Independence Day Holiday (school closed).
July 7, Monday.....Second 5-week session begins.
July 18, Friday.....Last day for final oral and project/thesis defense for August graduation.
July 18, Friday.....Nampa Practical Nursing Program ends.
July 25, Friday.....Eight-week session ends.
July 25, Friday.....Last day to submit 2 final signed copies of master's project/thesis to Graduate Dean's Office for August graduation.
July 25, Friday.....Boise Practical Nursing and Respiratory Therapy Technician Programs end.
August 8, Friday.....Ten-week session and second 5-week session end.
August 29, Friday.....Office Occupations Program ends.

Fall Semester 1997

For Registration Information, see the *Fall Directory of Classes*

February 3, Monday.....Recommended last date to mail the "Free Application for Federal Student Aid" (FAFSA) to be considered for 1997-98 need-based scholarships. The FAFSA is processed by a federal agency and must be received by the BSU Financial Aid Office by March 3.
February 3, Monday.....Processing of admission applications begins for fall semester 1997.
March 3, Monday.....Date by which the "BSU Scholarship Application" must be received in the Financial Aid Office to be considered for 1997-98 merit and need-based scholarships.
March 3, Monday.....Recommended last date to mail the "Free Application for Federal Student Aid" (FAFSA) and supporting documents for best chance of receiving 1997-98 grants, work-study, loans and waivers of non-resident tuition. Students applying after this date may not have financial aid available in time for fall fee payment. The FAFSA is processed by a federal agency and must be received by the BSU Financial Aid Office by April 1.
April 1, Tuesday.....Date by which all materials must be received in the Financial Aid Office for best chance of receiving 1997-98 grants, work-study, loans and waivers of nonresident tuition. Students whose application materials are received after this date may not have financial aid available in time for fall fee payment.
April 25, Friday.....Last day to submit "Admission to Candidacy" form to the Graduate Admissions Office for master's degree to be awarded in August or December, 1997.
July 1, Tuesday.....Last day for all foreign student application materials to be received for fall semester consideration.
July 15, Tuesday.....Bills mailed to students registered for fall semester.
July 23, Wednesday.....Last day for undergraduate, degree-seeking applicants for fall 1997 to have all admission materials received by the Admissions Office. Students who complete their admission files after this date will be considered for nonmatriculated (part-time) status only.
July 23, Wednesday.....Last day for graduate students to submit applications, transcripts and other materials to the Graduate Admissions Office for fall semester. Applications received after this date might not be processed in time to admit students to degree or certification programs.
August 8, Friday.....Last day to register or drop/add for fall semester 1997 prior to fee-payment deadline.
August 11-19.....No registration or drop/add services during this period.
August 14, Thursday.....Fee-payment deadline for registered students (payment must be received by 5:00 pm). Payment not received by deadline will result in course cancellation.
August 15, Friday.....Cashier Office and Deferred Fee Office closed.
August 18-19, Monday-Tuesday.....Faculty orientation/meetings.
August 20, Wednesday.....Drop/add for registered and paid students.
August 21, Thursday.....Registration for fall semester 1997 reopens, drop/add continues.
August 21-22, Thursday-Friday.....Academic advising available.
August 21, Thursday.....Residence Halls open.
August 21-24, Thursday-Sunday.....New Student Orientation Program.
August 25, Monday.....Classes begin.
August 29, Friday.....Last day for 100% refund for dropping a class or withdrawing from the University (minus $25 administrative fee).
August 29, Friday.....Last day for faculty initiated drops for nonattendance during the first week of the semester to be turned in to the Registrar's Office.
August 29, Friday.....Last day to file application for graduation for master's, baccalaureate and two-year or less degrees, and certificates for December graduation - Registrar's Office.
August 30, Saturday.....Saturday classes begin.
September 1, Monday.....Labor Day Holiday (school closed).
September 2, Tuesday.....Instructor permission required to register or add classes.
September 8, Monday.....Last day to register. Last day to add classes. Last day to change from credit to audit or audit to credit. Last day for a refund for dropping a class or withdrawing from the University. Last day to drop a class without a "W" appearing on the transcript.
September 12, Friday.....Last day to make class changes for first 8-week block (August 25 - October 17).
September 15, Monday.....Office Occupations Program begins.
October 3, Friday.....Last day to drop classes. Last day for complete withdrawal. Last day to add a challenge course, independent study, internship, directed research or practicum.
October 10, Friday.....Last day to file application with department for final master's written exam.
October 13, Monday.....Columbus Day (school in session).
October 20, Monday.....Second 8-week block begins.
October 31, Friday.....Last day to make class changes for second 8-week block (October 20 - December 9).
October 31-November 26.....Advising for continuing students for spring semester 1998.
November 1, Saturday.....Final day for written exam for master's degree.
November 3-26.....Registration for continuing students for spring semester 1998.
November 11, Tuesday.....Veterans Day (school in session).
November 11, Tuesday.....Farm Business Management Program begins.
November 12, Wednesday.....Last day for final oral and project/thesis defense for December graduation.
November 27-30, Thurs.-Sunday.....Thanksgiving Holiday (school closed).
December 1, Monday.....Classes resume.
December 1, Monday.....Last day to submit "Admission to Candidacy" form to the Graduate Admissions Office for master's degree to be awarded in May, 1998.
December 5, Friday.....Last day to submit 2 final signed copies of master's project/thesis to Graduate Dean's Office for December graduation.
December 9, Tuesday.....Classroom instruction ends.
December 10, Wednesday.....Reading/preparation day.
December 11-12, 15-16.....Final semester examinations (exam schedule listed in Fall Directory of Classes).
Thursday-Friday & Monday-Tuesday
December 12, Friday.....Boise Practical Nursing Program ends.
December 17, Wednesday.....Residence Halls close.
December 19, Friday.....Grade reports due to Registrar's Office by Noon.
December 26, Friday.....Office Occupations Program ends.

Spring Semester 1998

For Registration Information, see the *Spring Directory of Classes*

September 15, Monday ..... Processing of admissions applications begins for spring semester 1998.
November 17, Monday ..... Last day for all foreign student application materials to be received for spring semester consideration.
November 26, Wednesday ..... Last day for undergraduate, degree-seeking applicants for spring 1998 to have all admission materials received by the Admissions Office. Students who complete their admission files after this date will be considered for nonmatriculated (part-time) status only.
November 26, Wednesday ..... Last day for graduate students to submit applications, transcripts and other materials to the Graduate Admissions Office for spring semester. Applications received after this date might not be processed in time to admit students to degree or certification programs.
December 1-9 ..... Advising and registration for new and returning students for spring semester 1998.
December 9, Tuesday ..... Bills mailed to students registered for spring semester.
December 12, Friday ..... Last day to register or drop/add for spring semester 1998 prior to fee-payment deadline.
December 15-January 13 ..... No registration or drop/add services during this period.
January 8, Thursday ..... Fee-payment deadline for registered students (payment must be received by 5:00 pm). Payment not received by deadline will result in course cancellation.
January 9, Friday ..... Cashier Office and Deferred Fee Office closed.
January 12, Monday ..... Faculty meetings.
January 14, Wednesday ..... Drop/add for registered and paid students.
January 15, Thursday ..... Registration for spring semester 1998 reopens and drop/add continues.
January 15-16, Thursday-Friday ..... Academic advising available.
January 17, Saturday ..... Residence Halls open.
January 19, Monday ..... Dr. Martin Luther King, Jr./Idaho Human Rights Day Holiday (school closed).
January 20, Tuesday ..... Classes begin.
January 23, Friday ..... Last day to file application for graduation for master's, baccalaureate and two-year or less degrees and certificates for May graduation - Registrar's Office.
January 24, Saturday ..... Saturday classes begin.
January 26, Monday ..... Last day for 100% refund for dropping a class or withdrawing from the University (minus $25 administrative fee).
January 26, Monday ..... Last day for faculty initiated drops for nonattendance during the first week of the semester to be turned in to the Registrar's Office.
January 27, Tuesday ..... Instructor permission required to register or add classes.
February 2, Monday ..... Last day to register. Last day to add classes. Last day to change from credit to audit or audit to credit. Last day for a refund for dropping a class or withdrawing from the University. Last day to drop a class without a "W" appearing on the transcript.
February 2, Monday ..... Recommended last date to mail the "Free Application for Federal Student Aid" (FAFSA) to be considered for 1998-99 need-based scholarships. The FAFSA is processed by a federal agency and must be received by the BSU Financial Aid Office by March 2.
February 2, Monday ..... Processing of admissions applications begins for fall semester 1998.
February 6, Friday ..... Last day to make class changes for first 8-week block (January 20-March 13).
February 16, Monday ..... President's Day Holiday (school closed).
February 27, Friday ..... Last day to drop classes. Last day for complete withdrawal. Last day to add a challenge course, independent study, internship, directed research or practicum.
March 2, Monday ..... Date by which "BSU Scholarship Application" must be received in the Financial Aid Office to be considered for 1998-99 merit and need-based scholarships.
March 2, Monday ..... Recommended last date to mail the "Free Application for Federal Student Aid" (FAFSA) and supporting documents for best chance of receiving 1998-99 grants, work-study, loans and waivers of non-resident tuition. Students applying after this date may not have financial aid available in time for fall semester fee payment. The FAFSA is processed by a federal agency and must be received by the BSU Financial Aid office by April 1.
March 13, Friday ..... Last day to file application with department for final master's written exam.
March 13, Friday ..... Farm Business Management Program ends.
March 16, Monday ..... Second 8-week block begins.
March 23-29, Monday-Sunday ..... Spring Vacation.
March 30, Monday ..... Classes resume.
April 1, Wednesday ..... Date by which all materials must be received in the Financial Aid Office for best chance of receiving 1998-99 grants, work-study, loans and waivers of non-resident tuition. Students whose application materials are received after this date may not have financial aid available in time for fall fee payment.
April 3-May 1 ..... Advising for continuing students for summer/fall 1998.
April 6-May 1 ..... Registration for continuing students for summer/fall 1998.
April 10, Friday ..... Last day to make class changes for second 8-week block (March 16-May 8).
April 11, Saturday ..... Last day for written exam for master's degree.
April 17, Friday ..... Last day for final oral and project/thesis defense for May graduation.
May 1, Friday ..... Last day to submit 2 final signed copies of master's project/thesis to Graduate Dean's Office for May graduation.
May 1, Friday ..... Office Occupations Program ends.
May 8, Friday ..... Classroom instruction ends.
May 11-15, Monday-Friday ..... Final semester examinations (exam schedule listed in Spring Directory of Classes).
May 16, Saturday ..... Residence Halls close.
May 16, Saturday ..... Commencement.
May 19, Tuesday ..... Grade reports due to Registrar's Office by Noon.

Summer Session 1998

For Registration Information, see *Summer Directory of Classes*

May 1, Friday ..... Last day to submit "Admission to Candidacy" form to Graduate Admissions Office for master's degree to be awarded in August or December, 1998.
May 5, Tuesday ..... Recommended last date to mail 1997-98 "Free Application for Federal Student Aid" (FAFSA) for consideration for summer financial aid. The FAFSA is processed by an outside agency and must reach the BSU Financial Aid Office by June 5.
May 18, Monday ..... M.B.A. Program begins.
May 18, Monday ..... Auto Body, Heavy Duty/Diesel Mechanics, Office Occupations, Practical Nursing-Boise, Practical Nursing-Nampa, Respiratory Therapy Technician (1997-98 class), and Welding/Metal Fabrication Programs begin.
May 22, Friday ..... Fee payment deadline for summer session.
June 1, Monday ..... Classes begin for 8-week, 10-week and first 5-week sessions (for refund information, see Summer Directory of Classes).
June 5, Friday ..... Last day to submit the BSU summer financial aid application. Date by which the 1997-98 "Free Application for Federal Student Aid" (FAFSA) must be received in the BSU Financial Aid Office to be considered for summer financial aid.
June 30, Tuesday ..... Last day to pick up Summer Pell Grant checks.
July 2, Thursday ..... Auto Body, Heavy Duty/Diesel Mechanics and Welding/Metal Fabrication Programs end.
July 2, Thursday ..... First 5-week session ends.
July 3, Friday ..... Independence Day Holiday (school closed).
July 6, Monday ..... Second 5-week session begins.
July 17, Friday ..... Nampa Practical Nursing Program ends.
July 24, Friday ..... Eight-week session ends.
July 24, Friday ..... Boise Practical Nursing Program ends.
July 24, Friday ..... Last day to submit 2 final signed copies of master's project/thesis to Graduate Dean's Office.
July 31, Friday ..... Respiratory Therapy Technician Program (1997-98 class) ends.
August 7, Friday ..... Ten-week session and second 5-week session end.
August 28, Friday ..... Office Occupations Program ends.

Chapter 1—An Introduction to Boise State University

Boise

Idaho's state capital and center of business, Boise is the largest metropolitan area between Portland, Oregon, and Salt Lake City, Utah. Set against a backdrop of the Rocky Mountain foothills, Boise is one of the most attractive and enjoyable cities in the nation. As a growing city of more than 140,000 people, Boise enjoys a varied economy based on high technology, agricultural products, tourism, government agencies, and manufacturing.

Known as the City of Trees, Boise is located in a land of infinite variety. To the south are rich farmlands, a rugged, high-mountain desert, North America's tallest sand dunes, and the famous Birds of Prey Natural Area. To the north, forests, whitewater rivers, and mountain lakes provide opportunities for kayaking, fishing, hunting, and hiking. For example, Bogus Basin ski resort is just 16 miles from the BSU campus, and world-famous Sun Valley is less than three hours away.

The Boise Greenbelt, a network of city parks and riverside paths, runs through the campus. Three city parks are within walking distance of BSU, and a footbridge spans the Boise River, linking the campus to Julia Davis Park, where the Boise Art Museum, Idaho State Historical Museum, and Zoo Boise are located. An array of outdoor activities—fishing, hiking, skiing, river rafting, golf, tennis, and camping—are available only a short distance from campus.

The city and campus offer many cultural opportunities, such as the Boise Philharmonic, American Festival Ballet, Boise Civic Opera, Idaho Shakespeare Festival, SummerFest, and a variety of other theatrical and musical productions. Touring artists frequently perform in the Morrison Center and Pavilion, both on the BSU campus. In addition, a variety of national sporting events are held at the BSU Pavilion.

The University's Mission

Boise State University exists to educate people. Our goal is to foster an intellectual atmosphere that produces educated, literate people—people knowledgeable of public affairs, committed to life-long learning, and capable of creative problem solving. As a student at BSU, you have an opportunity to receive an education that will prepare you not only for employment and career advancement, but also for participation in society as an active, informed citizen.

Since its inception, the university has responded to the wide-ranging academic needs of the community, serving Boise and the surrounding area with undergraduate and graduate programs, research, and public service. An urban university, BSU reflects the character and spirit of Boise—Idaho's center of business and government. In fact, to ensure that BSU's mission takes its cue from the university's urban setting, the Idaho State Board of Education has mandated that we place primary emphasis on education in the following areas:

- business and economics
- social sciences
- public affairs
- performing arts
- teacher education
- interdisciplinary studies
- technology

At the same time, the university places continuing emphasis on the health professions and the physical and biological sciences related to the health professions, while maintaining basic strengths in the sciences and liberal arts.

As shown in Table 1.1., Boise State University is organized into eight colleges.

The colleges that make up BSU offer the opportunity to pursue your education in over 180 major fields of interest. Within these major fields of interest, the university awards a wide variety of degrees and certificates. (See Chapter 12 for a complete list of degrees, majors, minors, certificates, and transfer programs offered at BSU.)

Table 1.1 — Organization of BSU

College	Departments
College of Arts and Sciences	Art, Biology, Chemistry, English, Geosciences, Mathematics and Computer Science, Modern Language, Music, Philosophy, Physics, Theatre Arts
College of Business Economics	Accountancy, Computer Information Systems and and Production Management, Economics, Management, Marketing and Finance
College of Education	Health, Physical Education, and Recreation; Elementary Education and Specialized Studies; Foundations, Technology and Secondary Education
College of Engineering	Construction Management, Civil Engineering, Electrical Engineering, Mechanical Engineering, Instructional and Performance Technology
College of Health Science	Health Studies, Nursing, Radiologic Science, Respiratory Therapy
College of Social Sciences and Public Affairs	Anthropology, Communication, Criminal Justice Administration, History, Military Science, Political Science, Psychology, Social Work, Sociology
Larry G. Selland College of Applied Technology	Business Programs, Health/Service, Industrial Technologies, Industrial Mechanical, Canyon County
Graduate College	Coordinates the graduate programs of the respective colleges and departments

The University's History

In 1932, the Episcopal Church founded Boise Junior College, the first post-secondary school in Idaho's capital. When the Episcopal Church discontinued its sponsorship in 1934, Boise Junior College became a nonprofit, private corporation, sponsored by the Boise Chamber of Commerce and by the community. In 1939, the State Legislature created a junior-college taxing district to fund the college through local property taxes. By the end of the 1930s, Boise Junior College boasted an enrollment of 600 students. Originally located at St. Margaret's Hall, near the present site of St. Luke's Regional Medical Center, the school was moved in 1940 to its present location alongside the Boise River. In 1965, Boise Junior College became a 4-year institution and was renamed Boise College. In 1969, the school was brought into the state system of higher education as Boise State College and was designated Boise State University in 1974. In 1971, the Graduate College was established.

During its 65-year history, BSU has operated under the leadership of five presidents:

- Bishop Middleton Barnwell (1932-34)
- Eugene B. Chaffee (1934-67)
- John B. Barnes (1967-77)
- John H. Keiser (1978-1991)
- Charles P. Ruch (1993-present)

Accreditation

The university is a fully accredited member of the Northwest Association of Schools and Colleges and holds permanent membership on the College

Entrance Examination Board and in the College Scholarship Service Assembly. Many of BSU's academic programs have special accreditation or endorsement from one or more of the following organizations:

- American Assembly of Collegiate Schools of Business
- American Chemical Society
- American Council for Construction Education
- American Culinary Foundation Educational Institute
- American Dental Association Commission on Dental Accreditation
- Commission on Accreditation of Allied Health Education Programs
- Computing Science Accreditation Commission
- Council on Social Work Education
- Idaho State Board of Nursing
- International Association of Counseling Services
- Joint Review Committee on Education in Radiologic Technology
- Joint Review Committee on Respiratory Therapy Education
- National Association of Schools of Music
- National Association of Schools of Public Affairs and Administration
- National Association of Schools of Theatre
- National Association of State Directors of Teacher Education and Certification
- National Athletic Trainers Association, Inc.
- National Council for Accreditation of Teacher Education
- National League for Nursing

Students and Faculty

Each semester, BSU enrolls more than 15,000 students in its academic and applied technology programs. Students come to BSU from every county in Idaho, from nearly every state in the nation, and from numerous foreign countries. The university's urban setting both attracts and complements this diverse student body, which includes many nontraditional students as well as traditional students enrolling directly from high school.

Because Boise is the commercial, financial, health care, and governmental center of Idaho, as a BSU student you can reach beyond the classroom for experiences unavailable elsewhere in the state. For instance, you can enhance classroom learning and gain valuable work experience by serving as an intern with the State Legislature, government agencies, or private business and industry. In addition, you can attend a wide variety of civic, cultural, and social events hosted by BSU.

You will find that the university attracts faculty who are dedicated to excellence in teaching, creative in generating new knowledge, and generous in using their expertise to solve society's problems. Moreover, the faculty at BSU recognize that high-quality teaching is their primary goal, giving you the opportunity to work with some of the West's most respected scientists, artists, researchers, and educators.

In addition to helping students learn, BSU faculty assist business, industry, educational institutions, government agencies, and professional groups with educational programs and research-and-development efforts. The university also assists organizations in upgrading the knowledge and skills of employees.

A Tour of the Campus

BSU's 113-acre main campus is bordered to the north by the Boise River, to the south by University Drive, to the east by Broadway Avenue, and to the west by Ann Morrison Park. Step across the footbridge spanning the Boise River, and you are in the open green space of Julia Davis Park, home to the Idaho Historical Museum, the Boise Art Museum, and Zoo Boise. Just a few minutes' walk from campus is downtown Boise, where you will find inviting shops, fine restaurants, and vibrant nightlife.

On campus, the **Administration Building** contains the offices of several student services, including admissions, financial aid, student residential life, and the registrar. **The Counseling and Testing Center** is located in the **Education Building**, while the **Student Health Center** and the **BSU Career Center** are located across University Drive from the main campus.

The **Business Building** features computer labs and three electronic classrooms furnished with the latest in teleconferencing equipment. In addition, the **Engineering Technology Building** contains modern classrooms and laboratories—many equipped with computers—for use in engineering, construction management, and other technical programs. Both the **Education Building** and the **Liberal Arts Building** offer comfortable, well-equipped classrooms and computer labs, as do the **Math/Geosciences Building** and the **Public Affairs/Art West Building**. A new multi-purpose classroom building is under construction and should be available for the 1997-1998 school year.

Other notable features of the campus include the **Centennial Amphitheatre**—an outdoor venue for lectures, concerts, and plays—and the **Morrison Center for the Performing Arts**, which houses the music department, the theatre arts department, a 2,000-seat performance hall, a 200-seat recital hall, and a 200-seat theater.

In the **Simplot/Micron Instructional Technology Center**, BSU is pioneering the use of technology to improve the effectiveness of instruction and to provide learning opportunities at remote locations. For instance, a satellite earth station and an inter-campus microwave system enable students scattered throughout the state to participate in classes conducted on campus.

BSU students also enjoy a contemporary **Student Union**, which provides facilities for social, recreational, and cultural activities. In addition to a computer store, a quick-copy center, and three dining areas, the Student Union contains a game room, several lounges, the Outdoor Rental Center, the BSU Bookstore, and the Bronco Shop. While at the Student Union, you can stop by the Information Desk to pick up tickets for campus programs and community events, or visit the offices of more than 130 recognized student organizations.

The **Intramural/Recreation Office** and one of **BSU's Children's Centers** are located in the **BSU Pavilion**, Idaho's largest multi-purpose arena. When not filled with fans of Bronco basketball, gymnastics, or volleyball, the Pavilion is the site of concerts, professional sporting events, and family entertainment. Nearby is **Bronco Stadium**, with a seating capacity of 30,000.

The Albertsons Library

The Albertsons Library and its collections support the curricular and research efforts of the university. The Library's holdings exceed 1.9 million items, including:

- 399,000 monograph volumes
- 57,000 bound periodicals
- 4,700 current periodicals, newspapers, and other serials
- 127,300 maps
- 166,400 government publications
- 1,223,200 microform pieces

You may use **Catalyst**, the Library's computerized catalog, to quickly identify material that the Library owns. You can log-on to Catalyst from outside the Library, as well as from within.

The **Curriculum Resource Center** houses print and nonprint materials for elementary and secondary education, a collection of juvenile and young-adult books, and nonprint materials for college-level instruction. The Library's **Government Documents** collection is a depository for selected United States, Canadian Federal, and Idaho State publications. The Library also has a **Map Collection** that not only covers a wide array of subjects but also provides detailed coverage of Idaho.

The **Reference Area** contains a large collection of magazine indexes, in both paper and CD-ROM formats, and an extensive collection of handbooks, encyclopedias, dictionaries, and other types of reference materials. The Reference Area also provides both basic and advanced bibliographic search materials and instruction in the use of them. In this area, too, you may obtain assistance in using the entire library.

The **Special Collections Area** contains manuscript collections, rare books, and the university archives. In addition to housing the papers of Senator Len B. Jordan, Senator Frank Church, and Interior Secretary/Governor Cecil Andrus, this area also maintains the Frank Church Room, in which memorabilia from the Senator's life and career are displayed. The **Warren McCain Reading Room**, located on the second floor, contains an extensive collection of books and materials about the literature, art, economics, and history of the American West.

Computer Resources

The university provides student access to a variety of computer resources. For instance, the **Center for Data Processing** operates two computer labs (one for students and one for faculty); many other computer labs are maintained by various colleges or departments. Most of BSU's offices and computer labs are connected to the campus fiber-optic network, allowing users to tap into the Campus-Wide Information System or gain access to the Internet. Students do not need accounts to gain access to the Internet as this can be done from most labs on campus.

BSU does not provide dial-in to e-mail or the Internet from off campus. E-mail accounts for students are available in two forms. Students who do not want to access their e-mail from home can fill out the application form at the Center for Data Processing. These accounts can be accessed from any lab on campus. Those students who want access to e-mail and the Internet from home will need to purchase access through an Internet service provider (ISP). The university has negotiated a contract with Micron Internet Services to provide an innovative pricing plan for students based on usage. Micron e-mail can be accessed from campus.

As a student at Boise State University, you will have the opportunity to learn to use computers in ways appropriate to your discipline—in fact, you will be expected to do so. For example, many academic departments at BSU have created specific requirements that focus on specialized computer skills. For more information about the computer skills required in your discipline, please consult your academic advisor.

Athletics and Recreation

The purpose of the intercollegiate athletic program at Boise State University is twofold. First, to provide opportunities for a meaningful athletic experience for as many students as possible. Second, to develop and maintain a competitive Division I athletic program that competes on a regional and national basis and strives for excellence in both men's and women's athletics within the boundaries of integrity and honesty.

The athletic program is an integral part of the university and its total educational purpose. The objectives of the athletic program are in harmony with the mission and role of the university.

The university adheres to the principles of fair play and amateur athletic competition as defined by the NCAA. The university is concerned with the physical welfare of the student-athlete and strives to ensure that every student-athlete has the opportunity to succeed academically and obtain a degree.

The university competes as a member of the Big West Conference in football, volleyball, men's and women's basketball, men's and women's cross country, men's and women's track and field, gymnastics, men's and women's golf, and men's and women's tennis. The university competes in the PAC-10 in wrestling. Students that wish to participate in intercollegiate athletics should contact the head coach of the sport for which they wish to participate. A listing of head coaches is provided in the *BSU Student Handbook* and is also available by calling the Athletic Department at 208 385-1288.

Student ticket policies to athletic events are listed in the *BSU Student Handbook*.

The *Equity in Athletics Disclosure Report* for Boise State University is available at the Athletic Department and the reserve book room in the library. The report provides participation rates, financial support, and other information on men's an women's intercollegiate athletic programs.

Colleges

The university is organized into eight colleges: The College of Arts and Sciences, the College of Business and Economics, the College of Education, the College of Engineering, the College of Health Science, the College of Social Sciences and Public Affairs, the Larry G. Selland College of Applied Technology, and the Graduate College.

College of Arts and Sciences

Dean: Phillip M. Eastman, Ph.D.
Telephone 208 385-1414
Fax 208 385-3006
http://www.idbsu.edu/artsci/
e-mail: pgeer@bsu.idbsu.edu

Associate Dean: Michon Rozmajzl, Ph.D.
Telephone 208 385-1415

Philosophy

As the university's largest and most comprehensive academic unit, the College of Arts and Sciences enjoys a broad mission in teaching, research, and creative activity and service. In teaching, the College of Arts and Sciences offers a core curriculum that prepares undergraduate students by developing their communication, numerical, and analytical skills; enhancing their creative abilities; fostering in them a greater awareness of human values and needs; and encouraging in them a lifelong appreciation of learning for its own sake.

Additionally, the College offers strong undergraduate and graduate programs for students of the arts, humanities, and sciences, and a full array of elective and service courses for students majoring in other subjects.

In research, the College generates and disseminates knowledge through basic and applied research, scholarship, and creative activity, thereby enhancing the scientific, technological, humanistic, and cultural environment of the state, the region, and the larger society.

In service, the College meets the educational, economic, and cultural needs of the state through research, publications, workshops, and a rich diversity of cultural and entertainment events.

Objectives

The College of Arts and Sciences has the following objectives:

1. To offer programs of study leading to baccalaureate degrees in the following fields:
   - **Arts** (art, graphic design, illustration, music, and theatre arts)
   - **Humanities** (English, French, German, Spanish, and philosophy)
   - **Sciences** (biology, chemistry, computer science, earth science, geology, geophysics, mathematics, and physics)
2. To offer programs of study leading to the master's degree in the following fields:
   - raptor biology (master of science)
   - English (master of arts)
   - technical communication (master of arts)
   - geology (master of science, in cooperation with Idaho State University)
   - geophysics (master of science, in cooperation with the University of Idaho and Idaho State University)
   - music education, pedagogy, performance, (master of music)
   - secondary education (master of arts and master of science)
   - interdisciplinary studies (master of arts and master of science)

   For more information, see the *BSU Graduate Catalog*.
3. To offer programs of study leading to minors in art, biology, chemistry, English, French, German, Japanese, mathematics, music, philosophy, physics, Spanish, and theatre arts.
4. To offer undergraduate preparation in pre-architecture and pre-forestry and wildlife management.
5. To offer elective and service courses for students majoring in other colleges or schools.

Activities

Departments within the College of Arts and Sciences sponsor a variety of activities that complement and enhance the traditional curriculum. For instance, the English Department is the home of several publishing ventures, including *cold-drill* (BSU's national award-winning student literary magazine), *Ahsahta Press* (poetry by western poets), the Western Writers Series (booklets about the lives and works of Western authors), and *Poetry in Public Places* (posters distributed throughout the Northwest).

The biology department is affiliated with the World Center for Birds of Prey, a research and breeding center for raptors, located near Boise. In addition, Boise State University is the host institution for the Raptor Research and Technical Assistance Center.

The theatre arts department produces a season of plays and dance concerts and is affiliated with Idaho Shakespeare Festival, Idaho Dance Theatre, Idaho Theatre for Youth, and IPA Productions. The Hemingway Western Studies Center works with various university departments and organizations to co-sponsor exhibitions, symposia, performances, plays, and films. The Hemingway Western Studies Center also sponsors an annual national book competition and has been designated by the Library of Congress as the Idaho Center for the Book, responsible for initiating and coordinating statewide exhibitions and events related to books and publishing.

Students can participate in many activities sponsored by the departments in the College, including art exhibits, production of plays during the academic year and in the summer, student recitals and ensemble concerts, and a variety of scientific field trips.

College of Business and Economics

Dean: William N. Ruud, Ph.D.
Telephone 208 385-1125
Fax 208 385-1135
http://biz.idbsu.edu
e-mail: cobe@cobfac.idbsu.edu

Associate Dean: Harry L.White, Ph.D.
Telephone 208 385-3110
Fax 208 385-3637

Director of College of Business and Economics Student Services Center: Janet M. Centanni, M.Ed.
Director of Information Technology: Allen Schmoock, M.B.A.

The College of Business and Economics at Boise State University is composed of five academic departments, an International Business Consortium and Programs, and three centers:

- Accountancy Department
- Computer Information Systems and Production Management Department
- Economics Department
- Management Department
- Marketing and Finance Department
- International Business Consortium and Programs (Nancy K. Napier, Ph.D., Coordinator)
- Idaho Business and Economic Development Center (Jim Hogge, Director)
- Idaho Council on Economic Education (Jack Rucker, Director)
- Center for Management Development

Mission

The mission of the College of Business and Economics is to advance the success of individuals and organizations of Idaho by providing responsive, accessible, and high-quality educational services in business and economics.

Accreditation

Undergraduate and graduate programs in the College of Business and Economics are accredited by the American Assembly of Collegiate Schools of Business. This is a distinction held by approximately 25% of the 1,200 institutions in the U. S. that grant business degrees.

The College of Business and Economics also received confirmation of the high quality of its baccalaureate accounting program when the American Assembly of Collegiate Schools of Business granted the program initial accreditation. Nationally, about 9% of accounting programs have attained this recognition.

Student Advising

Students are assisted in selecting appropriate courses and a business major through the joint efforts of faculty advisors and the College's Student Services Center. Freshman, sophomore, and new transfer students should contact the College of Business and Economics Student Services Center, in the Business Building, Room 117, 208 385-3859, or e-mail the Center at: stuserv@cobfac.idbsu.edu.

Student Scholarships

Scholarships are available to students demonstrating potential for excellence in business studies. Over $120,000 is distributed each year among College of Business and Economics majors. Students must submit the appropriate applications by March 1. Interested students should contact Student Financial Aid, Administration Building, Room 117, 208 385-1664.

Student Organizations

Among the many student organizations of interest to business majors are the following:

- Beta Alpha Psi (national accounting)
- Alpha Kappa Psi (national business fraternity)
- Data Processing Management Association
- Association of Purchasing and Inventory Control
- Omicron Delta Epsilon (economics)
- Financial Management Association (finance)
- Human Resource Association (management)
- Entrepreneur Club (management)
- Phi Sigma Epsilon (national marketing fraternity)
- Ad Club (marketing)
- International Business Organization

In addition, the College of Business and Economics has a chapter of Beta Gamma Sigma, the national scholastic honor society for business students.

Special Requirements and Options

Students may obtain a bachelor of business administration (B.B.A.) degree by completing all requirements for that degree. Additionally, students may qualify for the B.A. or B.S. degree by completing the additional liberal arts or science course requirements for those degrees. Students should consult with faculty advisors about these additional requirements.

Internships Boise-area companies and governmental institutions provide exceptional opportunities for students to develop business skills in a "real-world" environment. In addition, students may do internships overseas or spend a semester or year abroad. Students' internship assignments are jointly supervised by company management and BSU College of Business and Economics faculty members. Academic credit is awarded for internships; financial compensation is sometimes available, as well. More information is available from the department offering your major.

NOTE: College of Business and Economics baccalaureate candidates are required to complete the following upper-division courses with grades of C or higher before taking GB 450 Business Policies, which is also a required core course:

- IS 310 Intro to Management Information Systems
- FI 303 Principles of Finance
- MK 301 Principles of Marketing
- MG 301 Management and Organizational Theory
- PR 345 Principles of Production Management

GB 450 is not required for the B.A. in economics.

College of Education

Dean: Robert D. Barr, Ph.D.
Associate Dean: Glenn R. Potter, Ed.D.
Telephone 208 385-1134
Fax 208 385-4365
http://www.idbsu.edu
e-mail: gpotter@bsu.idbsu.edu

The College of Education is composed of five centers and four academic departments that offer six undergraduate programs, four masters degrees, and an innovative doctoral program in curriculum and instruction:

- Counseling Department
- Elementary Education and Specialized Studies Department
- Health, Physical Education and Recreation Department
- Foundations, Technology and Secondary Education Department
- Center for Educational/Multicultural Opportunities
- Center for School Improvement
- Center for Economic Education
- Center for Human Performance and Wellness
- BSU Counseling Center

The primary mission of the College of Education is to contribute to the well-being of the greater society by:

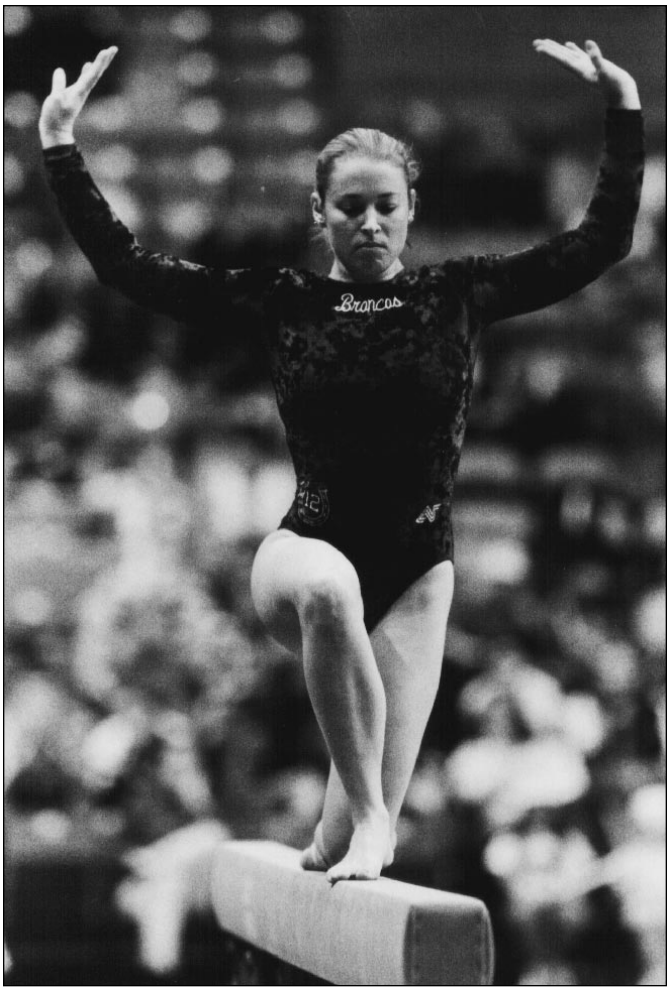
- developing professionals who demonstrate the highest levels of knowledge and skills, who share our commitment to democratic values, and who are prepared to serve an increasingly diverse population
- participating in the renewal of schools and other organizations through outreach activities, partnership, and technical assistance
- promoting a commitment to lifelong learning, wellness, and personal excellence through example and access to information and experiences
- advancing knowledge and translating knowledge into improved practice through scholarly inquiry
- advocating the policies and practices which support the healthy development of all members of society

Accreditation

The undergraduate and graduate teacher education programs are accredited by the National Council for the Accreditation of Teacher Education (NCATE) and the Professional Standards Commission of the Idaho State Board of Education. The athletic trainer's program is fully accredited by the National Athletic Trainers Association (NATA), while the Counseling and Testing Center is accredited by the International Association of Counseling Services, Inc.

Teacher Certification

The College of Education is responsible for preparing students for state certification as teachers. The dean of the College is the official BSU



representative accountable for recommending certification for those students who successfully complete a teacher education program at BSU.

Teacher Education Policy Council

The Teacher Education Policy Council coordinates teacher education across the university, promotes collaboration across programs and departments, and recommends policy for all professional preparation programs to the dean of the College of Education. The council is appointed by the Provost and includes professional educators and representatives from the College of Arts and Sciences, the College of Social Sciences and Public Affairs, and the College of Education. The deans nominate the representatives from their colleges, and the dean of the College of Education nominates the professional educators. The council is directed by the chair of the department of educational foundations, technology, and secondary education.

Office of Academic Advising

Director: David Smith
Education Building, Room 202
Telephone 208 385-4217

An advising center for teacher education students is located on the second floor of the Education Building. In addition, each department is responsible for providing individualized advising for students majoring in their respective areas.

Office of Field Experiences and Program Evaluation

Coordinator: Steve Christensen, Ph.D.
Education Building, Room 305
Telephone 208 385-1528

The Office of Field Experience and Program Evaluation serves the departments involved in teacher education by coordinating internships, practica, observation experiences, and student teaching with teacher education programs and the public schools. The office also administers follow-up studies of graduates of teacher education programs.

Center for Educational/Multicultural Opportunities

Director: John H. Jensen, Ph.D.
Education Building, Room 211
Telephone 208 385-1754

The Center for Educational/Multicultural Opportunities coordinates external grants and contracts that relate to educational opportunities and student support services for minority, low-income, and first-generation college students. The center provides leadership and support for recruiting students from under-represented groups into teacher education. It also assists in recruiting faculty members who represent diversity, thus enriching the multicultural offerings in teacher education programs. Finally, the center works with faculty and others in developing funding proposals.

Center for School Improvement

Director: Bill Parrett, Ph. D.
Education Building, Room 517
Telephone 208 385-4343

The Center for School Improvement is co-sponsored by the College of Education and the College of Social Sciences and Public Affairs. The major focus of the center is to provide technical assistance to communities to improve their schools through research, development, training and service.

Center for Economic Education

Director: Bill Parrett, Ph.D.
Education Building, Room 517
Telephone 208 385-4343

The Center for Economic Education is co-sponsored by the College of Education and the College of Business and Economics and assists public schools in becoming more effective in teaching economics.

Center for Human Performance and Wellness

Director: Phyllis Sawyer, M.A.
Student Health Center, Room 118
Telephone 208 385-4105

The Human Performance and Wellness Center is co-sponsored by the College of Education and the College of Health Science. The major focus of the center is to facilitate an interdisciplinary approach to the area of wellness; coordinate health related efforts; and serve as a contact point and clearinghouse for on– and off–campus interests.

Counseling Center

Director: Jim Nicholson, Ph.D.
Education Building, Room 604
Telephone 208 385-1603

The primary goal of the center is to provide high quality solution-focused counseling services directed toward helping students cope more effectively with social/personal barriers to their academic, career, and personal success.

College of Engineering

Dean:
Interim Director of Engineering Programs: Stephen B. Affleck, Ph.D.
Telephone 208 385-3764
Fax 208 385-4800
http://www-cot.idbsu.edu/
e-mail: djensen@bsu.idbsu.edu

The College of Engineering at Boise State University is made up of five departments: civil engineering, electrical engineering, mechanical engineering, construction management, and instructional & performance technology. The engineering and construction management programs offer bachelor of science degrees, and the instructional & performance technology program offers a master of science degree.

The impetus to initiate each of the five programs within the College came principally from the demands of local citizenry, industry, and institutions to meet local technical education needs. Students needed a place to receive high quality professional degrees; industry and institutions needed a source of high quality graduates. The critical mass necessary to form the College was reached with the decision to have Boise State University offer undergraduate degree programs in engineering beginning in 1996. The construction management and instructional and performance technology programs already had productive degree programs in place at that time.

These programs rely heavily for success on five major entities:

- dedicated students who are motivated by the desire to succeed and who demand quality education
- faculty who have come to BSU with a wide range and variety of industry and academic experience and the desire to teach and conduct research
- an administration which places a high value on quality education and scholarly activity
- advisory boards from industry which provide invaluable support and guidance
- Idaho taxpayers who recognize both the value and cost of high quality, professional education

Professionalism among the students is encouraged and student chapters of professional societies are organized and active. Faculty members are also active in professional societies and provide service in leadership roles in those societies. Professional registration of engineering faculty is a requirement.

Students are encouraged to apply for scholarships. Over $60,000 is awarded each year to students in the College who demonstrate high scholastic achievement. Applications for scholarships are available from the Financial Aid Office, Administration Building, Room 117, 208 385-1664. Students are also strongly encouraged to participate in internship experiences during their college career. These internships, which provide university credit, can be in the form of part time employment during the school year or full time/part time employment during the summer. Information on the requirements that must be met in fulfilling internships is available from the departments within the College.

Faculty members are dedicated to providing the best education possible. Most courses are presented in conventional lecture or laboratory fashion but some faculty members are utilizing new delivery systems including the offering of some courses, specifically selected for distance delivery, over a compressed video network. Instructional and Performance Technology courses are delivered not only in the traditional manner but all over the world from BSU by distance techniques which involve computer conferencing via telephone connections. Laboratories are equipped with excellent quality, state-of-the-art equipment. Networked computer lab facilities include both PC and UNIX environments with the latest versions of software. Classrooms are designed to encourage both individual and teamwork efforts. Faculty members have been instrumental in obtaining substantial gifts and grants from industry for equipment to support both introductory and advanced studies in microelectronics, integrated design, device mechanics, robotics, fluid mechanics, and soil mechanics.

College of Health Science

Interim Dean: Anne Payne, Ed.D.
Health Science Building, Room 102
Telephone 208 385-1678
Fax 208 385-3469
http://www.idbsu.edu:80/health/
e-mail: apayne@bsu.idbsu.edu

The College of Health Science dedicates itself to providing quality educational programs for students wishing to enter health professions. Integrated into the students' program are opportunities for multicultural, multiethnic experiences. The college is also dedicated to providing the general student body and Boise State University service area with educational programs that increase awareness of healthy lifestyles. Program goals are achieved through collaboration with and integration of the area's resources, including medical centers, public health agencies, and health care professionals. Innovative program curricula, excellence in teaching, and faculty scholarly activities are also essential for achieving these goals.

The College of Health Science takes great pride in its programs for:

- environmental health (baccalaureate degree)
- health information technology (2-year associate degree)
- health information management (baccalaureate degree)
- health science studies (baccalaureate degree)
- nursing (2-year associate degree and 4-year baccalaureate degree and an 11-month Practical Nursing certificate)
- radiologic sciences (3-year associate and baccalaureate degree)
- respiratory therapy (3-year associate and baccalaureate degree)
- health science (master's degree)

The College of Health Science also assists students who want to pursue health-professional degrees at other institutions. Graduate study is available through a master's of health policy and the master's of interdisciplinary studies program with emphasis on substance abuse or hazardous material management.

Cooperating Agencies

Boise State University offers students a unique opportunity to learn a health profession in a state-of-the-art regional medical center. As a foundation, this learning environment has a supportive relationship among public, private, and nonprofit health agencies, thereby providing students dynamic education, research, and community-service opportunities. Through these cooperative relationships, students can interact with professionals and the public to address personal and environmental health care issues.

Examples of these community partners in health professional and community education include:

Boise Samaritan Village, Boise, Idaho
Booth Memorial Home (Salvation Army), Boise, Idaho
Central District Health Department, Boise, Idaho
Community Home Health, Boise, Idaho
El Ada Head Start, Boise, Idaho
Grand Oakes Health Care, Boise, Idaho
Hillcrest Care Center, Boise, Idaho
Idaho Department of Health and Welfare, Boise, Idaho
Idaho Elks Rehabilitation Hospital, Boise, Idaho
Idaho Veterans Nursing Home, Boise, Idaho
Independent School District of Boise City, Boise, Idaho
Intermountain Hospital, Boise, Idaho
Magic Valley Regional Medical Center, Twin Falls, Idaho
Mercy Medical Center, Nampa, Idaho
Mountain State Tumor Institute, Boise, Idaho
Nelson Institute, Boise, Idaho
Patient and Family Support Institute, Inc., Boise, Idaho
St. Alphonsus Regional Medical Center, Boise, Idaho
St. Luke's Regional Medical Center, Boise, Idaho

St. Mary's School, Boise, Idaho
Treasure Valley Manor, Boise, Idaho
Veterans Administration Medical Center, Boise, Idaho
Walter Knox Memorial Hospital, Emmett, Idaho
West Valley Medical Center, Caldwell, Idaho
YWCA (Battered Women's Unit), Boise, Idaho

Accreditation

The college's degree programs in nursing, respiratory therapy, radiologic sciences, health information technology, and environmental health have all received accreditation from their national professional accreditating agencies. This recognition assures students that the program meets or exceeds the technical competencies required by the specific accreditation agency.

Student Advising and Program Admission

Each department provides specialized advising for students and is the initial contact point for determining classes and program admission criteria. Four programs—health information technology, nursing, respiratory therapy, and radiologic sciences—have limitations on the numbers of new students they take into their programs each year; admission criteria for these programs may be obtained from the departments. Given the competition for these programs, students need to perform very well in courses required for admission into the program.

Center of Health Policy

The College of Health Science hosts a university-wide Center of Health Policy that collaborates with Idaho State University, Lewis Clark State College, and the University of Idaho in providing independent analysis of issues relating to health care in Idaho. The center also provides an opportunity for students to participate in research and education activities related to health policy development and health-care reform.

Rocky Mountain Center for the Study of Wilderness and Environmental Medicine

With the Family Practice Residency of Idaho, the College of Health Science operates the Rocky Mountain Center for the Study of Wilderness and Environmental Medicine. The Rocky Mountain Center investigates and responds to health-related issues arising from outdoor recreation, as well as health-related issues associated with people living in areas with a high risk of exposure to toxic substances.

Multiculture/Multiethnic Diversity

The College of Health Science is committed to a diverse student and employee population and to providing opportunities for students, faculty, and staff to expand their knowledge and awareness of cultural and ethnic diversity. One such opportunity involves students and employees in a cooperative program with the BSU Studies Abroad Program in Morelia, Mexico. In this program, students spend five weeks in Morelia during the summer, studying Spanish and the Mexican culture. In addition, the college has arranged internship opportunities for students to enhance their learning experience.

Program Advisory Boards

The college uses various advisory boards to ensure that BSU provides high-quality programs for our students and appropriate professional education programs for health agencies in the BSU service area. For instance, serving as college-wide advisor is The University/Community Health Science Incorporation, a coalition between Boise State University and the area health community that seeks to further health professional education and research in the BSU service area. The board of directors consist of area health professionals and representatives from the area's regional medical centers, state health professional associations, area businesses, and the public. In addition, each department has its own advisory board consisting of professionals, agency representatives, and students.

College of Social Sciences and Public Affairs

Dean: Jane C. Ollenburger, Ph.D.
Interim Associate Dean: Suzanne McCorkle, Ph.D.
Telephone 208 385-3776
Fax 208 385-4318
http://www.idbsu.edu/sspa

About the College

The college's location in the state's population, business, and government hub provides outstanding opportunities for students who serve as interns in government agencies, the Idaho legislature, corporations, nonprofit agencies, and numerous other places in the public and private sector. The 2,500 students majoring in social sciences participate in additional activities sponsored by the college, including an Archaeology Field School, BSU's Speech and Debate Team, University Television Productions, and the Public History Program. In addition, many students assist with faculty research and attend conferences such as the Frank Church Conference on Public Affairs. Degrees in the social sciences prepare students for careers in public and private sectors, as well as for advanced graduate studies.

Faculty within the college teach a full range of social science classes, comprising about 20% of BSU's total offerings; conduct research in areas of vital concern to public policy and the working of society; provide leadership as expert consultants to local, state, and national groups; and participate in public service activities within the local community.

Degree Programs

As the lead institution within Idaho for the social sciences and public affairs, the college is composed of the following academic departments:

- anthropology
- communication
- criminal justice administration
- history
- military science
- political science
- psychology
- social work
- sociology

Additionally, the College offers:

- major in multi-ethnic studies (department of sociology)
- major in social sciences (department of sociology)
- associate of arts in social science
- associate of science in criminal justice administration
- minor in Latin (department of history)
- minor in Canadian studies (academic departments and courses)
- minor in Native American studies (department of anthropology)
- minor in Mexican-American studies (department of sociology)
- certificate in dispute resolution (academic programs and courses)
- certificate in legal assistance (academic programs and courses)

Social Science Research Center

The Social Science Research Center was established to conduct high-quality surveys for individuals, government agencies, and public interest groups and to fulfill the primary emphasis area in social sciences and public affairs mandated by the State Board of Education for BSU. The center's goal is to provide research that will assist Idaho's citizens and policy makers in their efforts to solve state and local problems. The center conducts the annual Idaho Policy Survey, an omnibus poll of Idahoans on major public policy issues. Telephone 208 334-2611.

Conflict Management Services

Conflict Management Services provides information and training about conflict management to the general public and students, provides referral services and technical assistance in conflict resolution, conducts conferences and educational forums, and provides support for conflict management programs and organizations. For information on consulting and training, telephone 208 385-3928.

Larry G. Selland College of Applied Technology

Dean:
Associate Dean: Sharon L. Cook, Ed. D.
Telephone 208 385-1508
Fax 208 385-4081
http://www-cot.idbsu.edu

The Larry G. Selland College of Applied Technology provides a focused response to the technological education and training needs of the region. For Idaho to sustain a strong and viable economy, the educational system must provide the tools and structure necessary for vocational and technical training through a formalized array of educational experiences that adequately prepare individuals for gainful employment in both recognized and emerging occupations. The Larry G. Selland College of Applied Technology is designed to effectively address the needs in these areas and to create an environment conductive to attracting new industry while helping existing industry prosper. The College's role is consistent with Boise State University's mission to provide special emphasis in applied technology.

The programs and services offered through the College are in direct response to the needs of current and emerging industries throughout southwest Idaho. Increasingly, workers at all levels must possess an ever-broader base of scientific and technical knowledge to be productive and competitive. In addition to a diverse array of education and training programs, the College provides technical assistance to industry, applied research in technology, and other programs intended to aid in the region's economic growth and workforce development.

The Larry G. Selland College of Applied Technology is structured to include seven educational/training divisions and several supportive units. Full-time vocational and technical credit course offerings are provided by the College through the Business Programs, Health and Service, Industrial/Mechanical, Industrial Technologies, and Canyon County divisions. In addition to Bachelor of Applied Science degree offerings in various technical fields, the College provides numerous undergraduate Associate of Applied Science degree programs. A variety of certificate programs are available in a wide range of subject areas where a student may earn a certificate of completion, postsecondary vocational certificate, technical certificate, or advanced technical certificate. The degree and certificate program descriptions and course offerings for these instructional divisions are detailed in Chapter 14.

The certificate of completion is a credential awarded for a technical program that does not meet the criteria of other technical certificates.

The post-secondary vocational certificate is a credential awarded for completion of requirements in an approved technical program of instruction consisting of at least 240 contact hours but less than 960 contact hours.

The technical certificate is a credential awarded for completion of requirements entailing at least one year of full-time study (960 contact hours or 32 credit hours, though normally less than two years of full-time study).

The advanced technical certificate is a credential awarded for completion of technical and technical support requirements entailing more than one academic year and a minimum of 52 credit hours of full-time technical work.

The associate of applied science degree is a credential achieved with a minimum of 64 credit hours of course work including at least 52 credit hours of technical and technical support courses and at least 12 credit hours of related instruction or general education courses (which must include 6 credits in communications; 3 credits in mathematics, business, economics, statistics or other closely related occupational specialty courses; and 3 credits of occupational and/or human relations courses which emphasize personal and interpersonal skills).

Instructional content in all programs is delivered through competency based curricula blended with small group and individualized instructional techniques. A comprehensive outcomes assessment model ensures program focus on stated objectives. Job placement is of high priority and serves as an essential indicator of program quality.

The Tech Prep program is part of a state and national effort designed to enhance the secondary/post-secondary technical education experience to improve student opportunities for better jobs, higher wages and promotions. Students may enroll in the program as early as the eighth grade, pursing a curriculum plan that satisfies high school graduation requirements and transcripts technical course credits earned in high school towards the requirements for a postsecondary Associate of Applied Science degree.

The College's Outreach Division responds to the specific needs of employers and citizens of southwest Idaho by providing short term training in a variety of areas. Training is open to the general public in workskill areas such as Computer Software, Certified Nursing Assistant, Apprenticeships in the building trades, and Professional Development Skills. Some of this training is customized to meet the specific needs of a specific employer. Outreach is also a member of the Work Force Training Network of Idaho. Through this association, Outreach provides opportunities for training over a statewide area as it works with other Technical Colleges throughout the state.

The Student Support Division serves as the educational entry point for services and is designed to provide a seamless system of student supportive activities including assessment, counseling, advising, basic and academic skills instruction, and tutoring services. All services are focused on assisting individuals towards achievement of competencies that will support their educational, training, retraining and/or employment goals. The Division includes the federally supported Adult Basic Education and Center for New Directions programs. Through a "one stop shop" approach, the Division is committed to customer service, program quality, accountability, and service integration.

The College has extended access to its educational and training programs through a Distance Learning Network. Under a consortium arrangement with ten school districts in southwest Idaho, the network utilizes state-of-the-art two-way, interactive, compressed audio/video technology to deliver postsecondary course work to high school students as well as extending use of the system to governmental agencies, businesses, and industrial users for educational teleconferencing, and training purposes. This seamless, technology-rich, customer driven communication network provides expanded educational resources to place-bound students in the rural areas of southwest Idaho in line with the Institution's distributed campus approach to meeting the region's educational and training needs.

Graduate College

Dean: Kenneth M. Hollenbaugh, Ph.D.
Math/Geosciences Building, Room 140
Telephone 208 385-3647
Fax 208 385-4061
http://www.idbsu.edu/gradcoll
e-mail: gradcoll@bsu.idbsu.edu

Graduate Admissions Coordinator: Brian Newkirk
Math/Geosciences Building, Room 141
Telephone 208 385-3903

Graduate programs at Boise State University were first offered in 1971. Today, the Graduate College provides master's and doctoral degree programs that offer a variety of opportunities for qualified students to pursue advanced study and research under the mentorship of the graduate faculty. The reasons for

enrolling in the Graduate College are as varied as the people who make up the graduate student population of nearly 4,000. Students enroll to prepare for academic or other professional careers, to improve the skills used in their careers, or to gain personal intellectual enrichment and professional development. Your decision to continue your education at the graduate level means that you will join other graduate students and faculty in the adventure of discovery— discovery of new understanding and information about your discipline, discovery of new skills and techniques, discovery of the excitement of intellectual achievement, and discovery of new friends and associates. The Graduate College and the graduate faculty are committed to providing the opportunity and the guidance to support your efforts to achieve your academic goal.

Graduate Credit Options for Seniors

Senior undergraduate students may receive graduate credit according to the following policies.

Graduate Courses for Undergraduate Credit BSU seniors may take up to two 500-level courses for upper-division credit applied to their baccalaureate degree program. M.B.A. courses are excluded from this policy. The dean of the Graduate College determines whether a student is to be considered a senior under this policy.

Graduate Courses Reserved for Graduate Credit If you are a senior, you may enroll in graduate courses during your senior year. However, you must first obtain approval from the dean of the Graduate College and the chair of the department offering the courses. Credits earned in this fashion are applied toward a graduate degree at BSU, not to your undergraduate degree. M.B.A. courses are excluded from this policy.

To take graduate courses under either of these policies, you must first complete the *Permit for Seniors to Take Graduate Courses*, available in the Registrar's Office, Administration Building, Room 102.

BSU Graduate Catalog

A catalog describing graduate programs at BSU is available from Graduate Admissions, Math/Geosciences Building, Room 141, 208 385-3903.

Questions About BSU?

- 1-208-385-1011
- 1-800-632-6586 (toll-free in Idaho)
- 1-800-824-7017 (toll-free nationwide)

Policy Statement Concerning Catalog Contents

The purpose of the Boise State Catalog is to provide current, articulate and accurate information about Boise State University for guidance of prospective students, for faculty and administrative officers, for students currently enrolled, and for other education or allied agencies.

Catalogs, bulletins, course and fee schedules, etc., are not to be considered as binding contracts between Boise State University and students. The university and its divisions reserve the right at any time, without advance notice, to: (a) withdraw or cancel classes, courses, and programs; (b) change fee schedules; (c) change the academic calendar; (d) change admission and registration requirements; (e) change the regulations and requirements governing instruction in, and graduation from, the university and its various divisions; and (f) change any other regulations affecting students. Changes shall go into force whenever the proper authorities so determine, and shall apply not only to prospective students but also to those who are matriculated at the time in the university. When economic and other conditions permit, the university tries to provide advance notice of such changes. In particular, when an instructional program is to be withdrawn, the university will make every reasonable effort to ensure that students who are within two years of completing the graduation requirements, and who are making normal progress toward the completion of those requirements, will have the opportunity to complete the program which is to be withdrawn.

It is the policy of Boise State University to provide equal educational and employment opportunities, services, and benefits to students and employees without regard to race, color, national origin, sex, creed, age or handicap in accordance with Title VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972. Sections 799A and 845 of the Public Health Act, and Sections 503 and 504 of the Rehabilitation Act of 1973, where applicable, as enforced by the U.S. Department of Health, Education, and Welfare.

NOTE The courses contained in this catalog do not preclude or limit the university in its offerings for any semester or session nor do they restrict the university to the time block (semester) represented by the approved academic calendar.

Boise State University attempts to respond to the educational needs and wants of any and all students when expressed. Requests for courses to be offered whenever they are desired will be favorably received providing that a minimum of 12 qualified students enroll in the class and a competent faculty member is available to teach the course.

Chapter 2—General Policies

This chapter defines the general policies governing the following matters:

- your rights and responsibilities as a student
- academic honesty
- student records
- student classification
- right of appeal

Additional information on these policies is available in the *BSU Student Handbook* and the *BSU Administrative Handbook*. The *BSU Student Handbook* may be obtained from the Office of the Dean of Student Special Services, Administration Building, Room 114, while the *BSU Administrative Handbook* is available for inspection at various administrative offices (including the Registrar's Office, Administration Building, Room 102, and the Admissions Office, Administration Building, Room 105).

Your Rights and Responsibilities

BSU challenges its students to reach their highest levels of performance, encourages them to excel in academics and sports, and invites them to participate in the many cultural and social activities available at the university. At the same time, BSU expects students to conduct themselves in a manner compatible with the university's function as an institution of higher learning. Therefore, we have published this catalog and the *BSU Student Handbook* to acquaint you with your rights and responsibilities as a student. In the *BSU Student Handbook*, for instance, you will find the Student Bill of Rights and the Code of Conduct, along with information on:

- fees
- health insurance
- parking
- services for students
- student organizations
- university committees
- civic and cultural events
- academic regulations
- university policies and procedures governing sanctions, judicial procedures, and hearing boards

Each student is expected to be familiar with the information in the *BSU Student Handbook*. You can obtain a copy from the Office of the Dean of Student Special Services, Administration Building, Room 114. The telephone number is 208 385-1583.

Academic Honesty

The university's goal is to foster an intellectual atmosphere that produces educated, literate people. Because cheating and plagiarism are at odds with that goal, they shall not be tolerated in any form. Therefore, all work submitted by a student must represent that student's own ideas and effort; when the work does not, the student has engaged in academic dishonesty.

Plagiarism occurs when a person passes in another person's work as his or her own or borrows directly from another person's work without proper documentation. For example, academic dishonesty occurs whenever a student:

- buys a paper or other project, then seeks to receive credit for the paper or project
- copies from another student's exam, either before, during, or after the exam

- uses "crib notes" while taking an exam or uses information stored in a computer or calculator (if prohibited from doing so)
- allows another person to take an exam in his or her place or takes an exam for another person
- collaborates on take-home exams when such collaboration is forbidden
- copies the work of another person and attempts to receive credit for that work
- fails to properly document source material in a paper or project
- receives editorial assistance that falls outside the scope of acceptable assistance, as defined in *A Student's Guide to Writing at BSU*

NOTE: The list above is intended only to provide general guidelines for recognizing and avoiding common types of academic dishonesty. It is in no way an exhaustive or comprehensive list of all the types of academic dishonesty.

Except in cases of major offenses, responding to academic dishonesty is the responsibility of the instructor of the course in which the dishonesty occurs. If a student is guilty of academic dishonesty, the student may be dismissed from the class and may receive a failing grade. Other penalties may include suspension or expulsion from school.

For more information about academic honesty, see the following publications:

- *A Student's Guide to Writing at BSU*
- *BSU Administrative Handbook*
- *BSU Student Handbook*

Student Records

Universities routinely collect, store, and maintain many kinds of information about prospective, current, and former students. Boise State University is no exception. For instance, the Admissions Office maintains a permanent file for each student who has applied for admission to the university. Your file is likely to contain such items as your application for admission and any correspondence related to that application. Other files at the Registrar's Office contain your permanent transcript and all materials that document that transcript. And, of course, faculty members maintain files containing advising records, grades sheets, and correspondence.

In general, you have the right to review the documents that constitute your official record, and you have the right to request copies of those documents. If you request copies, BSU will provide them in a timely and efficient manner.

The following sections provide more detail about your official record at BSU, about your rights and responsibilities regarding that record, and about BSU policies and procedures governing the information that your record contains. Other publications discussing these matters include the *BSU Administrative Handbook* and the *BSU Student Handbook*.

Transcript Records

The Registrar's Office makes every effort to ensure that transcript records are up to date, accurate, and true. You have the right to appeal any information on your transcript that inaccurately reflects your academic history. However, information on a transcript is changed only in extraordinary or extenuating circumstances.

If there is an error or omission on your transcript, send a detailed description of the error or omission, along with copies of the relevant documents, to the Registrar's Office, Administration Building, Room 102. The telephone number is 208 385-3486.

Confidentiality and Privacy

Following the guidelines established by the Family Rights and Privacy Act of 1974, the university strives to protect your personal privacy and the confidentiality of your official student record. This section generally describes BSU's policy on confidentiality and privacy, as defined by the *BSU Administrative Handbook*.

Most of the information in your student record is considered confidential, with the following exceptions:

- your local address
- your local telephone number
- your major field of study
- the dates you attended BSU
- your student classification (freshman, sophomore, junior, senior, or graduate)
- your enrollment status (for example, whether you are a full-time student or a part-time student)
- the type of any degree you have earned from BSU and the date on which you received it

The information listed above is considered public information; however, the university does not release lists of students or name-and-address labels to businesses or agencies outside the university. If you wish to limit access to this information, you should notify the Registrar's Office that you want the information treated as confidential. You can do so by completing a privacy request form, available at the Registrar's Office, Administration Building, Room 110.

In discharging their official duties, BSU employees may read, review, photocopy, and distribute to appropriate persons within the university any information contained in your student record. However, before distributing confidential information outside the university—even to members of your family—BSU faculty and staff must first secure your written permission to do so.

Verification of Your Enrollment Status

Every day, BSU fields phone calls or letters from people wanting to verify an individual's enrollment status. Requests for verification often come from such businesses as employment agencies, insurance companies, and lending agencies. For example, a lending agency may request verification of your enrollment status to determine if you are enrolled at least half-time and therefore are eligible for continued deferment of a student loan.

Your enrollment status is public information unless you have notified the university that you want it to be treated as confidential (see "Confidentiality and Privacy," above). In responding to inquiries from outside the university, BSU calculates your enrollment status according to Table 2.1.

Table 2.1
Schedule Used to Determine Undergraduate Enrollment Status (in Response to Outside Inquiries)

Number of Credits (currently enrolled)	Enrollment Status
12 or more	Full-Time
9 to 11	Three-Quarter-Time
6 to 8	Half-Time
5 or fewer	Less Than Half-Time

NOTE: If you are receiving benefits under the G.I. Bill, you should contact the Veteran's Services Office, Administration Building, Room 111, to determine your enrollment status.

Name or Address Changes

Whenever BSU policies or procedures call for the Registrar's Office to send written notification to a student, that obligation is fulfilled when the Registrar's Office mails the notification to the student's last address on record. Therefore, you must immediately inform the Registrar's Office, Administration Building, Room 110, of any change in your name or address. You may do so in person, by telephone, or by sending in a change-of-address card from the post office.

Student Classification

The university classifies each student according to the definitions provided in Table 2.2, below.

Table 2.2
Student Classifications

Classification	Definition
Freshman	Has earned 0 to 25 credits.
Sophomore	Has earned 26 to 57 credits. Sophomore is the maximum classification for students in associate or certificate programs.
Junior	Has earned 58 to 89 credits.
Senior	Has earned 90 or more credits or is pursuing a second baccalaureate degree.
Graduate	Has earned a baccalaureate degree, has been admitted to the Graduate College, and is pursuing a graduate degree.

Right of Appeal

You have the right to appeal any academic policy or requirement if either of the following conditions are present:

- Extenuating circumstances make it impossible for you to comply with the policy or requirement.
- An undue hardship would result from a strict application or interpretation of the policy or requirement.

Please note, however, that extenuating circumstances must be beyond your control and that undue hardship must be a condition far more serious than simple inconvenience.

If you appeal an academic policy or requirement, that appeal will most likely be reviewed by the dean of the college responsible for your major or by the University Appeals Committee. For more information about appeals and grievances, see the *BSU Student Handbook* and the *BSU Administrative Handbook*.

Questions About These Policies?

If you have questions about these policies, contact the Registrar's Office, Administration Building, Room 102, 208 385-4249.

Chapter 3—Admissions

The Office of Admissions at Boise State consists of the New Student Information Center, located at the northeast entrance to the Student Union, and the Admissions Office, located in Room 101 of the Administration Building. The New Student Information Center furnishes application forms and information about BSU and arranges for admissions counseling and campus visits. The Admissions Office evaluates your application materials to verify that you meet university admission standards. In addition, the Admissions Office coordinates international student admissions and advising, and it administers such programs as new student orientation and Western Undergraduate Exchange.

The following sections define the deadlines for applying for admission, the process by which the Admissions Office determines your admission status, and the standards that you must meet to be admitted to BSU. Also included are instructions for applying for admission.

NOTE: If you already have a baccalaureate degree, you apply for admission through Graduate Admissions, even if you plan to enroll in undergraduate courses. For more information, see the *BSU Graduate Catalog* or contact the Graduate Admissions Office, Math/Geosciences Building, Room 141, 208 385-3903.

Application Deadlines

To encourage prospective students to begin planning early, Boise State University has established firm deadlines for applying for admission. Deadlines for all applicants seeking admission as matriculated students are as follows:

- Fall Semester 1997: July 23, 1997
- Spring Semester 1998: November 26, 1997
- Summer Sessions: One week before classroom instruction begins

These deadlines for fall and spring semesters are strictly enforced. Therefore, you must ensure that the Admissions Office receives all of your application materials before the admissions deadline. If you fail to do so, you may still be admitted to the university; however, you will be admitted as a *nonmatriculated student*. As a nonmatriculated student you can register for: any combination of courses totaling 7 or fewer credits; or a maximum of 2 courses, even if these courses total more than 7 credits. Nonmatriculated students are not eligible to receive federal financial aid.

You may submit application materials at any time before the deadline; in fact, we encourage you to apply as early as possible. The earlier you apply, the more likely you are to secure an early registration time and a seat in the courses you want to take.

Admission Standards

To encourage students to be adequately prepared for college-level study, Boise State University has implemented the following admission standards.

Standards for Freshmen If you have never attended college before, you will be admitted with *regular admission* status if you graduated from high school before 1989 or received a General Education Diploma (GED) with a standard score average of 50, before 1989.

For all **high school graduates under 21**, high school grades and ACT or SAT results will be evaluated according to BSU's admission index (table 3.2). This index assigns more weight to your high school grades than your test scores. For instance, if your GPA (grade-point average) is 3.0 on a 4-point scale, you are a likely candidate for admission. A GPA of 2.5 requires an ACT composite score of at least 17 (or SAT verbal + math score of 810*). A GPA of 2.0 requires an ACT score of 25 (or SAT combined score of 1130*).

Once you are determined to be admissible according to the index, your high school course work will be examined. If you completed all courses in the Idaho College Admission Core, (Table 3.3), with at least a 2.0 average, you will be granted *regular admission* status.

If you have met the requirements of the BSU admissions index but have not completed the Idaho College Admission Core, you will be assigned *provisional admission* status.

Once admitted, you will receive notice of your admission status and advising/registration appointment for the semester of your enrollment. On the date of your registration appointment, you will meet with an advisor, take any necessary placement exams, select classes, and register for those classes.

If you graduated from high school in 1989 or later and are 21 or older, you will be admitted with *regular admission* status if you completed all courses in the Idaho College Admission Core (Table 3.3) with at least a 2.0 average. If you do not meet all requirements of the Idaho College Admission Core, you will be considered for *provisional admission* if your cumulative high school grade point average is 2.0.

If you completed the GED in 1989 or later and you are 21 or older, you will be admitted with *provisional admission* status if your standard score average on the GED is at least 50. **If you completed the GED in 1989 or later and you are under 21**, you will be admitted with *provisional admission* status if your standard score average is at least 50 and you have an ACT composite score of at least 17 (or SAT combined score of 810*).

**All references to SAT scores are for tests taken after April 1, 1995. If you took the test before April 1, 1995, refer to the BSU Admission Index (Table 3.2) for relevant score information. If you do not meet the admission standards for Regular or Provisional Admission, you are encouraged to apply to BSU as a nonmatriculated student, explore admission to applied technology programs, or attend a community college. If you believe unusual or extraordinary circumstances prevented you from meeting the standards, you may petition the Dean of Admissions for special consideration.*

Table 3.1 — How to Apply for Admission to BSU

To apply for undergraduate admission, submit to the Admissions Office all materials indicated in the appropriate checklist below. For matriculated (degree-seeking) students, all admission materials must be received in the Admissions Office by the posted deadline (see "Application Deadlines," on page 17).

New Freshmen in Academic Programs

- *Undergraduate Application for Admission* with one-time, nonrefundable *$20 application fee.*
- *Official high school transcript** showing all courses completed and date of graduation (or *GED test scores*). **Note:** If you are a high school senior, you may receive a preliminary admission decision by submitting high school transcripts after the first term of your senior year.
- *Official ACT or SAT results* posted on your high school transcript or received directly from the testing agency.**

Transfer Applicants in Academic Programs

- *Undergraduate Application for Admission* with one-time, nonrefundable *$20 application fee.*
- *Official transcript** from each college or university attended. **Note:** If you are attending another college you may receive a preliminary admission decision by sending an in-progress transcript after the first semester of your final year.

If you will transfer to BSU with fewer than 14 transferable baccalaureate-level semester credits, also submit the following:

- *Official high school transcript** showing date of graduation or *GED test scores.*
- *Official ACT or SAT results.***

Returning Applicants in Academic Programs

If you are a BSU student who has not attended for one semester or more (not including summer), you must reapply for admission. Submit the following:

- *Undergraduate Application for Admission.*

Also submit any of the following that are needed to complete your file:

- *One-time, nonrefundable $20 application fee.*
- *Official transcripts** from all other colleges attended.
- *Official high school* transcript* or *GED test scores*, if you have earned fewer than 14 transferable baccalaureate-level college credits.
- *Official ACT or SAT results*, if you have earned fewer than 14 transferable baccalaureate-level credits.**

Note: BSU retains admission materials for five years after your last term of enrollment. Submit new materials if you have not attended for five years.

Nonmatriculated Applicants

- *Undergraduate Application for Admission* or *Application for Nonmatriculated Enrollment.*
- *One-time, nonrefundable $20 application fee.*

Applicants in Larry G. Selland College of Applied Technology Programs

If you are applying for a baccalaureate program, complete the steps listed above for academic programs.

If you are applying to Applied Technology programs, you need to follow the steps below. Direct all questions to the Larry G. Selland College of Applied Technology Student Services, 208 385-1431:

- *Make arrangements to take the Computerized Placement Test (CPT).*
- *Schedule a personal interview with an advisor in Student Services.*

Submit to Larry G. Selland College of Applied Technology Student Services:

- *Undergraduate Application for Admission with your one-time $20 application fee.*
- *Official high school and college transcripts (if applicable) or GED test scores.*
- *If graduating from high school in 1997 or later, ACT or SAT results.*
- *$50 nonrefundable enrollment processing fee.*

Applicants Who Already Have a Baccalaureate Degree

If you already have a baccalaureate degree you will need to apply through the BSU Graduate Admissions Office, even if you plan to enroll in undergraduate courses. For more information, see the *BSU Graduate Catalog.*

Applicants from Other Countries

Refer to “Admission of International Students” in this chapter.

**To be official, transcripts must be sent by the issuing institution directly to the BSU Undergraduate Admissions Office.*
***Test results are not required if you are 21 years or older, as of the first day of class of the semester for which you are applying.*

Table 3.2 — Boise State University Admission Index

High School GPA Range																																			
SAT Before 4/1/95	SAT Since 4/1/95	ACT	From 3.14 To 4.00	3.09 3.13	3.03 3.08	2.97 3.02	2.91 2.96	2.86 2.90	2.80 2.85	2.74 2.79	2.69 2.73	2.63 2.68	2.57 2.62	2.51 2.56	2.46 2.50	2.40 2.45	2.34 2.39	2.29 2.33	2.23 2.28	2.17 2.22	2.11 2.16	2.06 2.10	2.00 2.05	1.94 1.99	1.89 1.93	1.83 1.88	1.77 1.82	1.71 1.76	1.66 1.70	1.60 1.65	1.54 1.59	1.49 1.53	1.43 1.48	1.37 1.42
1560	1580	36																																	
1510	1530	35																																	
1450	1500	34																																	
1400	1450	33																																	
1350	1400	32																																	
1300	1360	31																																	
1260	1320	30																																	
1210	1280	29																																	
1170	1240	28																																	
1130	1200	27																																	
1090	1170	26																																	
1050	1130	25																																	
1010	1090	24																																	
970	1050	23																																	
920	1010	22			Probable Candidate for Admission																																
880	970	21																					Unlikely Candidate for Admission												
840	930	20																																	
790	890	19																																	
740	850	18																																	
700	810	17																																	
650	760	16																																	
600	710	15																																	
560	660	14																																	
520	620	13																																	
480	570	12																																	
440	520	11																																	
420	470	10																																	
400	430	9																																	
400	400	8																																	
400	400	7																																	
400	400	6																																	
400	400	5																																	

Table 3.3
Idaho College Admission Core

Subject Area	Semesters	Courses	Restrictions
English	8	Composition, Literature	None
Social Science	5	American Government, Geography, U.S. History, World History, Economics, Philosophy, Psychology, Sociology	None
Mathematics	6	Algebra 1, Algebra II, Geometry, Analytic Geometry, Calculus Statistics, Trigonometry,	At least 4 semesters taken in grades 10 through 12
Natural Science	6	Anatomy, Biology, Chemistry, Earth Science, Geology Physiology, Physical Science Physics, Zoology	Selected applied science courses may count for up to 2 semesters. At least 2 semesters must be for courses that include a laboratory science experience.
Humanities/ Foreign Language	2	Literature, History, Philosophy, Foreign Language, and related study of two or more of the traditional humanities disciplines	None
Other College Preparation	3	Speech, Studio/Performing Arts (Art, Dance, Drama, Music additional Foreign Language	Up to 2 semesters of approved vocational courses may apply; consult your high school counselor.

NOTE: Students who have not completed the Idaho College Admissions Core upon graduation may be considered for *provisional admission* status.

Standards for Transfer Students If you have fewer than 14 transferable credits, you will be considered for admission on the basis of your high school transcript or GED and your college transcript. If you are under 21, your ACT or SAT scores will be considered as well.

If you have 14 or more transferable credits, you will be considered for admission on the basis of your college transcript. You will be admitted with *regular admission* status if you were in good academic standing at the last institution you attended and have a cumulative grade-point average of at least 2.0 (based on transferrable credits from all colleges and universities). If you have a grade-point average of less than 2.0, you will be considered for admission with *probationary admission* status. However, if you were dismissed from your last college or university during the most recent semester, you will be required to remain out of BSU classes for at least one semester (fall or spring).

Standards for Returning Students If you have fewer than 14 academic credits, you will be considered for admission on the basis of your high school transcript or GED and your college record. If you are returning to BSU with 14 or more college credits, you will be considered for admission based on your academic record at BSU and at any colleges or universities you have attended since attending BSU. To be admitted with *regular admission* status, you must have stopped attending BSU while in good academic standing and must have earned at least a 2.0 cumulative grade-point average for your work at the colleges or universities you have attended since leaving BSU. If you were on academic probation when you left BSU, you will be considered for admission with *probationary admission* status. However, if you were dismissed from BSU during the most recent semester, you will be required to remain out of BSU classes for at least one semester (fall or spring). If you were dismissed twice, you must remain out for at least one year.

Standards for Nonmatriculated Students If you are applying for admission solely to take courses of interest, applying for nonmatriculated status is a convenient option. N*onmatriculated* status simply requires that you have a high school diploma or a GED. As a nonmatriculated student, you can register for: any combination of courses totaling 7 or fewer credits; or a maximum of 2 courses, even if these courses total more than 7 credits. Please be aware that students taking 7 or fewer credits per semester pay part-time fees; those taking 8 or more credits pay full BSU fees and, if deemed nonresidents of Idaho, nonresident tuition. Also, nonmatriculated students are not eligible to receive federal financial aid. Students who were dismissed from any college or university within the last semester are ineligible for nonmatriculated status.

Standards for Larry G. Selland College of Applied Technology Students If you intend to pursue a baccalaureate degree, the standards defined above will be used to evaluate your application. If you are enrolling in one of the programs within Applied Technology, admission will be based on a variety of criteria.

If you graduated from high school or received a GED prior to 1997, you will be considered for *regular admission* if: you graduated from an accredited high school with at least a 2.0 GPA or earned a standard score average of at least 50 on the GED; **AND** you meet the minimum Computerized Placement Test (CPT) levels established for the program of your choice. **If you graduate from high school in 1997 or later,** you will be considered for *regular admission* if: you graduate from an accredited high school and complete the Idaho Vocational-Technical Admission Core (Table 3.4); **AND** you meet the requirements of the BSU Admission Index (Table 3.2); **AND** you meet the minimum Computerized Placement Test (CPT) levels established for the program of your choice. If you do not meet the requirements for regular admission you may be considered for *provisional admission*. To be given *provisional admission*, you must at least: graduate from high school or earn a GED with a standard score average of at least 50; **AND** meet the minimum Computerized Placement Test (CPT) levels established for the program of your choice. The amount of space available in a program may also affect the review of your application; even qualified applicants must sometimes be denied admission to programs with limited space for new students.

Table 3.4
Idaho Vocational-Technical Admission Core

High School Course	Required Semesters
English	8 semesters
Mathematics (Algebra and above	4 semesters
Natural Science	4 semesters

Standards for Currently Enrolled High School Students If you would like to attend high school and college courses simultaneously, you may enroll in BSU classes as a nonmatriculated student. However, you must meet any course prerequisites and have the approval of the Dean of Admissions. To apply, fill out the form "Application for Nonmatriculated Enrollment" and attach a letter from your high school principal or counselor; the letter should state that you are capable of doing college-level work and that taking BSU courses will not interfere with your progress toward graduation from high school.

Admission of International Students

If you have never attended a college or university, you will be considered for admission on the basis of your secondary-school transcript and the results of the Test of English as a Foreign Language (TOEFL). You must submit an English translation of your transcript, if the original is in a language other than English, and you must have received a minimum score of 500 on the TOEFL. In addition, your secondary school transcript must show a grade-point average of at least 2.0 or its equivalent, and you must have completed the pre-university requirements of your home country.

If you have completed some course work at the college or university level, you may apply for admission as a transfer student. You must request that official transcripts be sent directly to the BSU Foreign Student Admissions Office (one transcript from each college or university you have attended). In addition, you must provide official descriptions of any courses taken outside of the U. S. for which you wish to receive transfer credit. If the transcript or the descriptions are in a language other than English, you must provide English translations.

Your transcripts must show a cumulative grade point average of at least 2.0 or its equivalent, and you must have received a score of at least 500 on the TOEFL. However, if you have completed English composition at a U.S. college or university, and received a grade of C or better, you may be able to have the TOEFL requirement waived.

If you have earned a baccalaureate degree or its equivalent from an accredited institution, you must apply as a graduate student, even if you plan to enroll in an undergraduate program. A minimum TOEFL score of 550 is required for graduate study. Please refer to the *BSU Graduate Catalog* for further information.

In addition to the academic records and official TOEFL scores noted above, all international students must submit the following:

- Foreign Student Application for Admission
- nonrefundable processing fee of $30
- verification of financial resources to cover one full year of expenses

All application materials must be received in the Foreign Student Admissions Office by the following deadlines:

Fall Semester 1997: July 1, 1997
Spring Semester 1998: November 15, 1997

You may submit your application materials at any time before the deadline. Early application is encouraged.

If you meet all admission requirements, the Foreign Student Services Coordinator will issue an I-20 form, which you need to obtain an F-1 student visa. For more information, please contact the Foreign Student Admissions Office, Administration Building, Room 107, 208 385-1757.

Health Insurance Coverage Full-time international students must be covered by the university's student health insurance policy. The cost of this policy is included in student fees. If you have your own health insurance policy, you may be able to have this requirement waived by providing evidence that your own policy is equivalent to BSU's. This evidence must be submitted within the first 10 working days of the semester.

Your Admission Status

After reviewing your application and supporting materials, the Admissions Office assigns to you a particular admission status. Specifically, you will either be denied admission to the university or will be admitted with regular, provisional, conditional, probationary, or nonmatriculated status. Each type of admission status is defined below, along with any special restrictions associated with that type of status.

Regular Status You meet all requirements for admission to the university. No special restrictions apply to your admission.

Provisional Status You have been accepted for admission, but with provisions. Specifically, within three semesters you must complete 14 credits of course work. Those 14 credits must include one English composition course and one class from each of the three areas that make up the General Education Core (arts/humanities, social sciences, and natural sciences/mathematics). You must earn a grade of C or better in the composition course and in each of the core courses. (For more information about core courses, see Chapter 11, "Obtaining a Degree at BSU.")

You are assigned provisional status if any of the following apply:

- You met BSU's requirements for high school grade-point average and ACT/SAT scores, but did not complete the Idaho College Admission Core (see Table 3.3).
- You earned a General Equivalency Diploma (GED) instead of a high school diploma.
- You were originally denied admission to the university, but were then admitted by the Special Admissions Committee after requesting that the committee review your circumstances.

Conditional Status You have been accepted for admission, but have been granted this temporary status because the transcript you submitted was incomplete. Once the Admissions Office reviews your complete, official transcript, you will be assigned a final admission status. Your admission under conditional status may remain in effect for no longer than one semester. You will not be able to register for subsequent semesters until your status changes.

Probationary Status You must attain at least a 2.0 grade-point average in your first semester at BSU. If you fail to do so, you will be dismissed from the university and will be ineligible to attend BSU for at least one semester. If you are dismissed from the university a second time, you will be ineligible to attend for at least one year.

You are assigned probationary status if any of the following apply:

- You transferred to BSU with less than a 2.0 grade-point average for your previous college-level study.
- You attended BSU and left the university while on academic probation. Even if you have successfully completed courses at another institution since leaving BSU, you will re-enter BSU on probationary status.

Denied Status You do not meet the standards for admission with regular, provisional, or probationary status and are denied admission as a degree-seeking student. You may appeal this decision or inquire about enrolling as a part-time, nonmatriculated student.

Nonmatriculated Status Designed for students applying solely to take courses of interest, nonmatriculated status allows you to enroll in up to seven credits per semester. These credits can be used toward a degree if you are later admitted as a matriculated student. However, nonmatriculated students register for classes after matriculated students and are ineligible for federal financial aid.

Retention of Admission Records

The Admissions Office retains your admission file for five years after the date of your last attendance. If you applied for admission but never enrolled, your records are kept for two years. If you reapply to BSU beyond these retention periods, you may be asked to furnish new application materials, such as a college transcript.

Appeals

You may file an appeal for special consideration if unusual or extenuating circumstances prevent you from meeting the admission standards, from meeting the application deadline, or from meeting the requirements of provisional status. To file an appeal, visit the office of the Dean of Admissions, Administration Building, Room 105 or call 208 385-1177.

? Questions About These Policies?

If you have questions about these policies, contact the Admissions Office, Administration Building, Room 101, 208 385-1156.

Chapter 4—Registration Policies and Procedures

This chapter discusses the process of registration, during which students meet with advisors to select courses, then register to attend those courses and (if necessary) drop or add courses after the semester has begun. Registration takes place each semester and summer session. It consists of two distinct phases: priority registration and open registration. Each offers students the opportunity to select courses before classroom instruction begins. General descriptions of both priority and open registration are provided below; specific procedures for registration are defined in the *BSU Directory of Classes*.

In addition, this chapter defines the policies and procedures governing complete withdrawals from the university, faculty-initiated withdrawals, and administrative withdrawals from the university. Finally, this chapter defines policies governing credit status and audit status.

Advising: The First Step in Registration

If you register for eight or more credits in a single semester, you are required to meet with your advisor to discuss your educational goals and to plan ways to achieve those goals. This process is known as academic advising. You must obtain your advisor's signature on your registration form, indicating that he or she has reviewed your schedule and approved it. Most advisors are faculty members, although some departments also use professional and peer advisors. In most cases, once you have selected a major, the academic department responsible for that major will assign you an advisor (though you may change advisors at any time). If you have not selected a major, you will work with an advisor from the Academic Advising Center, located in the Math/Geosciences Building, Room 105. If you are a freshman or sophomore majoring in business, you will work with an advisor from the College of Business and Economics Student Services Office, located in the Business Building, Room 117.

The university encourages all students to take full advantage of the advising process. In many instances, you will find that your advisor can assist you in selecting core classes that also meet requirements for your major and classes that complement those required by your major. In general, an advisor can help you make the most of your time at BSU.

Priority Registration

If you are a continuing, matriculated student, you may register during priority registration, which is held in April (for the upcoming summer sessions and fall semester) and held again in November (for the upcoming spring semester). For exact dates, consult the current academic calendar or the *BSU Directory of Classes*. During priority registration, students register by appointment, according to a schedule established by the Registrar's Office. If you are a new matriculated student and are admitted to the university before the deadline for admission, you will be notified, by mail, of your registration appointment. Nonmatriculated students may register at the end of the priority registration period for matriculated students.

Open Registration

Open registration begins after the fee-payment deadline for preregistered students and runs through the tenth day of the semester. (See the *BSU Directory of Classes* for specific dates.) If you register during priority registration but fail to pay your fees by the deadline, your registration is no longer valid; therefore, you must attend open registration and register again.

NOTE: If you fail to register and pay your fees by the deadline specified in the current academic calendar, then it is unlikely that you will be able to register for the current semester. Late registrations require approval from the University Appeals Committee, which grants approval only under extreme extenuating circumstances. For applicable deadlines, see the academic calendar or the *BSU Directory of Classes*.

NOTE: Your registration is considered final and official only after you have paid all tuition, fees, and other charges.

Credit/Audit Status

During open registration, if space in the class is available, you may register for a course under audit status; that is, you may register for the course with the understanding that you will receive neither credit nor a grade. On your transcript, audit status indicates that you had a seat in the class, but may or may not have participated in class activities. You may change your registration status from credit to audit or audit to credit until the tenth day of the semester. To change your registration status, you must file a drop/add form with the Registrar's Office. If you fail to meet the audit requirements established by the instructor, the instructor may give you a final grade of 'NG' (for *No Grade*); in such a case, the course will not appear on your transcript.

Adding Classes and Dropping Classes

For a short time at the beginning of each semester, enrolled students may add classes to their schedule or drop classes from their schedule. Specific instructions for adding or dropping classes are published in the *BSU Directory of Classes*, as is the deadline for making such changes.

At certain times during the semester (specified in the *BSU Directory of Classes*), you may drop or add classes over the telephone. You may also drop and add classes by completing a drop/add form. You are responsible for obtaining the form, filling it out, obtaining any necessary signatures, and returning the form to the Registrar's Office for processing. A drop/add form takes effect only when it has been fully processed by the Registrar's Office. For more information about dropping or adding classes, see the *BSU Directory of Classes* or call the Registrar's Office at 208 385-3486.

Before the semester begins, you may add classes to your schedule without first obtaining the instructor's permission, if there is space available in the class. You may continue to add classes after the first day of classroom instruction, up until the 10th day of the semester (see the academic calendar in the *BSU Directory of Classes* for the exact deadline). However, after the fifth day of the semester you must obtain the instructor's signature on the drop/add form, indicating that the instructor has granted permission for you to add the class. Instructors may refuse to grant permission if the class is full. They may also refuse permission if your late entry would prevent you from benefitting fully from the class or would prevent other students in the class from doing so. (If you are registering for or adding an independent study, internship, or challenge, you may do so through the end of the sixth week of the semester.)

You may drop classes from your schedule through the sixth week of the semester. (See the academic calendar in the *BSU Directory of Classes* for the exact deadline.) If you drop a class before the tenth day of the semester, the class will not appear on your transcript. However, if you drop a class after the tenth day, your transcript will show a grade of W (for *withdrawal*) for that class.

BSU limits the number of withdrawals (W's) a student may receive while enrolled at BSU. If you are pursuing an associate degree, advanced technical certificate, or technical certificate, you may receive up to five W's. If you are pursuing a baccalaureate degree, you may receive up to ten W's, including any received while in an associate degree, advanced technical certificate, or technical certificate program. (W's received before fall semester 1995 are not counted toward the total allowed.) Once you have exhausted the allowed number of W's, you may receive only an A, B, C, D, P, or F in any succeeding course.

Exceptions Withdrawals from co-requisite courses that must be taken together (primarily lecture/lab courses) will count as one course for permitted withdrawal purposes. Withdrawals received as a result of a complete withdrawal from the university will not count toward the allowed total.

NOTE: The university has placed limits on the number of times you may enroll in a course. For more information, see Chapter 5 "Grades."

NOTE: If you intend to drop a class in which you have been issued university property—such as uniforms, instruments, or lab equipment—you must return the property before dropping the class. If you fail to do so, the Registrar's Office will place a hold on your record and reinstate you in the class.

Faculty-Initiated Withdrawals

An instructor can withdraw a student from a course if any of the following conditions are present:

- The student fails to attend one of the first two meetings of a class that meets more than once each week.
- The student fails to attend the first meeting of a class that meets once each week.
- The student has not satisfied the entrance requirements for the class.

To withdraw a student for **failing to attend one of the first two meetings of a class that meets more than once each week or the first meeting of a class that meets once each week**, the instructor submits a special drop form to the Registrar's Office. Students withdrawn from a course for failing to attend these specified class meetings may re-enroll in the course with the instructor's permission through the 10th day of the semester. (See the *BSU Directory of Classes* for the exact deadline.) To withdraw a student for **failing to satisfy entrance requirements**, the instructor or the department must notify the student of the impending withdrawal and then request the withdrawal through the Registrar's Office. All faculty-initiated withdrawals will be recorded with a grade of 'NG' (for *No Grade*) and will not appear on the student's transcript.

Complete Withdrawal from BSU

Completely withdrawing from BSU is the process by which a student *formally* drops all classes. You may request a complete withdrawal at any time up through the sixth week of the semester. (See the *BSU Directory of Classes* for the exact deadline.) If you simply stop attending all classes, rather than formally withdrawing, you will receive a final grade of F in all of your classes. If you completely withdraw from the university, you will receive a W (for *withdrawal*) for all classes dropped after the tenth day of the semester. Any classes dropped on or before the tenth day do not appear on your transcript. W's received as a result of a complete withdrawal will not count toward the maximum limit of W's allowed. Once you have withdrawn completely from the university, you can re-register for classes in the same semester only after petitioning for and receiving approval from the University Appeals Committee.

To begin the complete withdrawal process, go to the Office of Student Special Services, Administration Building, Room 114, 208 385-1583 and request a complete withdrawal. If you are hospitalized, out of the area, or otherwise unable to come to the university, you may begin the process by telephone or by mail. For information on refunds of tuition and fees following a complete withdrawal, see Chapter 6, "Tuition and Fees".

Administrative Withdrawal from BSU

An administrative withdrawal is the process by which BSU formally withdraws a student from the university, usually without the student's consent or cooperation. Students may be administratively withdrawn for a variety of reasons, including the following:

- failing to pay tuition, fees, library fines, overdue loans, deferred fee payments, housing accounts, or other such charges
- falsifying information on an admissions application or other university record or document
- failing to respond to an official summons issued by the university
- exhibiting behavior that constitutes a clear and present danger to themselves or to others

Administrative withdrawals due to nonpayment of financial obligations (tuition, fees, library fines, overdue loans, deferred fees, housing accounts, etc.) will be recorded with a grade of 'W' and will appear on the student's transcript if processed after the 10th day of the semester.

Administrative withdrawals due to ineligibility to be in a course or continue in school for reasons other than nonpayment of financial obligations will be recorded with a grade of 'NG' (no grade) and will not appear on the student's transcript.

? Questions About These Policies?

If you have questions about these policies, contact the Registrar's Office, Administration Building, Room 102, 208 385-4249.

Chapter 5—Grades

This chapter defines the grading system used at BSU. In addition, this chapter contains information on probation and dismissal, as well as instructions for calculating your grade-point average (GPA). Finally, the chapter defines the university's policy on attendance and the policies governing final examinations.

BSU's Grading System

Boise State University uses a 4.0 grading scale. Table 5.1 lists the letter grades that instructors use to document their evaluation of your work and to document your academic status in the class. In addition, Table 5.1 defines the meaning of each letter grade and specifies the number of quality points that correspond to each grade. Quality points are used to determine your grade-point average (GPA). The procedure for calculating your GPA is described below, in "How to Calculate Your Grade-Point Average (GPA)."

Table 5.1
Letter Grades

Letter Grade	Meaning	Quality Points per Credit Hour	Used to Calculate GPA?
A	Distinguished work	4	Yes
B	Superior work	3	Yes
C	Average work	2	Yes
D	Below-average work	1	Yes
F	Failure	0	Yes
P	Pass: satisfactory work equivalent to C or higher; credits earned	0	No
I	Incomplete (See "Incompletes" in this chapter.)	0 (until changed to a letter grade)	No
W	Student withdrew from the course	0	No
AUD	Course was taken under audit status	0	No
NR	No Report on Record Instructor has not yet turned in a grade	0 (until changed to a letter grade)	No

How to Calculate Your Grade-Point Average (GPA)

For each student, Boise State University calculates and documents three types of grade-point average (GPA):

- overall cumulative GPA
- semester GPA
- BSU GPA

Each of the three types of GPA is calculated with the same formula: total quality points you have earned divided by the total number of credits you have attempted, as shown in Figure 5.1.

$$\frac{\text{Total Quality Points Earned}}{\text{Total Credits Attempted}} = \text{GPA}$$

Figure 5.1. Formula for Calculating Grade Point Average (GPA)

In calculating your *overall cumulative GPA*, BSU uses all courses you have taken at the university and all courses you have transferred from other post-secondary institutions—but only if you received a final letter grade (A, B, C, D, or F) in those transferred courses. If you have repeated a course prior to fall semester 1995, only the most recent grade is used in calculating your overall cumulative GPA. For courses repeated during or after fall semester 1995, both grades are used in the GPA calculation.

In calculating *semester GPA*, the formula uses only the quality points earned and credits attempted that semester. For *BSU GPA*, the formula uses only quality points earned and credits attempted at BSU.

All GPA calculations exclude credits for:

- pass/fail courses in which you received a final grade of P
- courses that you registered for but later dropped from your schedule, even though the course may appear on your transcript with a final grade of W
- courses you took under audit status (AUD)
- courses in which you have received the grade of I, for *incomplete*, or NR, for *no record* (until the I or NR is changed to a letter grade)

Incompletes

Instructors can enter a grade of I—for *incomplete*—if both of the following conditions are present:

- Your work has been satisfactory up to the last three weeks of the semester.
- Extenuating circumstances make it impossible for you to complete the course before the end of the semester.

If you receive an incomplete, you and your instructor will write and sign a contract stipulating the work you must do to receive a grade in the class. You will have one year to do the work. If you fail to complete the work within one year, you will automatically receive a grade of F. You may not remove the incomplete from your transcript by re-enrolling in the class during another semester; in fact, you are prohibited from enrolling in the course for as long as you have an incomplete. A grade of incomplete is excluded from GPA calculations until you receive a final grade in the course.

Dean's List

The Dean's List is a roster of undergraduate students who have received very high grades during a particular semester of full-time enrollment. To be included in the Dean's List, you must meet both of the following criteria:

- You must complete 12 or more credit hours in a given semester, excluding classes graded Pass/Fail.
- For that semester, you must attain a semester grade-point average (GPA) of 3.50 or higher.

You will receive an *Honors* designation on the Dean's List if you attain a GPA of 3.50 to 3.74; *High Honors* for a GPA of 3.75 to 3.99; and *Highest Honors* for a GPA of 4.00.

Repeating a Course

If space in a course is available, you may register to repeat a course. You may not register to repeat the course until open registration. You may register only three times for any BSU course. Courses dropped within the first ten days of the semester with a grade of "NG" are excluded from the three registration maximum. Also excluded from this policy are courses that can be taken multiple times for additional credit, such as fitness activity courses, private music lessons, and art studio classes. If you do repeat a course, you may count toward your degree only the number of credits you would have received if you had taken the course only once. When you repeat a course, both grades appear on your transcript. For courses repeated during or after fall semester 1995, both grades are used in GPA calculation. (**Note:** For courses repeated before fall semester1995, only the most recent grade is used in GPA calculation.)

Grade Exclusion

You may petition to exclude from GPA calculation any grades earned at Boise State University or at another institution in one or two semesters in which your GPA is less than 2.0. You must meet all of the following criteria:

- You must not have been a student for at least five years, or at least eight years must have elapsed since you received the grades you wish to have excluded.
- Before applying for grade exclusion, you must complete 12 consecutive credits at BSU with a GPA of 2.50 or higher, or 24 consecutive credits with a GPA of 2.25 or higher.
- You have not previously been granted grade exclusion at BSU.

If you request grade exclusion, you must have all grades excluded in the semester or semesters chosen; you may not choose individual grades. If you wish to exclude grades from two semesters, you must petition for both semesters at the same time (on the same form.) All grades, past and present, will remain on your transcript, but the excluded grades will not count toward graduation or be calculated in your GPA. **However,** all grades, including those that have been excluded, will be used to calculate graduation honors. You may receive grade exclusion only once. If you possess a post-secondary degree or certificate, you may not have any grades earned prior to receiving that degree or certificate excluded from your GPA.

Probation and Dismissal

To remain in good academic standing, you must maintain a minimum grade-point average (GPA) for the number of credits you have earned (including transfer credits). Table 5.2, below, shows the minimum BSU GPA you must maintain for a corresponding number of credits earned. The GPA used to determine probation and dismissal status is the BSU GPA, which includes all credits earned at BSU and transfer institutions, but excludes transfer grades.

Table 5.2
Minimum BSU GPA Necessary to Remain in Good Academic Standing

Cumulative Credits Earned (Transfer and BSU)	Minimum BSU Cumulative GPA
0 to 6	1.0
7 to 32	1.6
33 to 64	1.8
65 or more	2.0

If you fail to maintain the minimum BSU GPA shown in Table 5.2, you are placed on probation. At the end of your next semester at BSU, the university reviews your record and takes one of the following actions:

- removes you from probation (if your cumulative BSU GPA is at or above the minimum specified in Table 5.2)
- continues your probation (if your cumulative BSU GPA is below the minimum specified in Table 5.2 but your semester GPA is 2.0 or higher)
- dismisses you from the university (if your cumulative BSU GPA is below the minimum specified in Table 5.2 and your semester GPA is below 2.0)

NOTE: If you transfer credits to BSU and are admitted on probation, you must attain at least a 2.0 GPA in your first semester. If you fail to do so, you will be dismissed from the university. For more information on transferring credits and admission status, see Chapter 3, "Admissions," and Chapter 11, "Obtaining a Degree at BSU."

If you leave the university while on probation, you will remain on probation when you return—even if in the meantime you have attended another institution. While on probation, you may be ineligible to receive financial aid and you may be ineligible to participate in extracurricular activities sponsored by the university. For more information on these restrictions, see Chapter 7, "Financial Aid," and the *BSU Student Handbook*.

If you are dismissed from the university, you are barred from enrolling for one semester (fall or spring) after the dismissal and for one year after any subsequent dismissal. If you wish to appeal this waiting period, you must file an appeal with the University Appeals Committee. This form is available from the Registrar's Office, Administration Building, Room 102, and from the Office of Student Special Services, Administration Building, Room 114.

Attendance Policy

You are responsible for attending courses for which you are enrolled. You are also responsible for making up any work you may have missed by failing to attend class, even if the absence was approved by the university, necessitated by illness, or necessitated by a personal emergency. In this sense, then, there are no "excused" absences. Please note, as well, that you may be automatically withdrawn from a course if you fail to attend one of the first two meetings of a class that meets more than once each week, or if you fail to attend the first meeting of a class that meets once each week (see "Faculty-Initiated Withdrawal" in Chapter 4).

Final Examinations

Each semester, a schedule for final examinations is published in the *BSU Directory of Classes*. This schedule defines the dates and times during which all final examinations must be scheduled (during a period known as *finals week*). An exception to the schedule is allowed only on an individual basis, with the exception to be arranged between the instructor and the student. No examinations may be conducted during the week before finals week, except for final examinations in lab, performance, and evening courses.

? Questions About Grades?

If you have questions about grades, contact the Registrar's Office, Administration Building, Room 102, 208 385-4249.

Chapter 6—Tuition and Fees

In general, the costs of attending BSU arise from tuition, institutional fees, and special fees (such as fees for private music lessons or laboratory classes). Your actual costs depend on how many classes you take, the type of classes you take, and your status as a resident or nonresident student. For instance, Idaho state law stipulates that Idaho residents cannot be charged tuition (the direct cost of instruction); for Idaho residents, then, the principal cost of attending BSU arises from institutional fees. In addition to these fees, you may also have to pay such additional charges as workshop fees or materials charges, depending on the type of classes you take. You may pay with cash, check, VISA, MasterCard, or Discover.

This chapter defines the current tuition and fees for attending Boise State University and provides other information about tuition and fees, including information on deadlines, deferred payment, the senior-citizen rate, and insurance coverage for full-time students. Also included in this chapter are some of the more commonly asked questions about Idaho residency requirements.

Deadlines for Paying Tuition, Fees, and Other Charges

You are expected to pay all tuition, fees, and other charges by the deadline specified in the current academic calendar. If you register after the deadline, you will be expected to pay all tuition, fees, and other charges when you register.

In most cases, you will receive a bill when you register and a bill shortly before the fee-payment deadline. These bills may reflect any scholarships or financial aid you have been awarded. You must return at least one of the two bills before the fee-payment deadline, even if your financial aid pays all your fees. If you fail to return a signed bill authorizing release of your financial aid, your classes will be canceled.

Deferred Payment of Tuition, Fees, and Other Charges

If you are unable to pay tuition and fees before the deadline established by the current academic calendar, you may be able to defer payment of **some** of your tuition and fees. To do so, however, you must be registered for six credits or more, and you must have no delinquent or past-due accounts with the university.

When you defer payment, you agree to pay all special fees at the time that you register. You agree, as well, to pay at least 40% of the balance owing for tuition and fees, and you agree to pay a service charge based on the dollar amount of your deferred payment (as shown in Table 6.1 below). Finally, you agree to abide by the other policies and procedures of the deferred-payment plan.

Table 6.1
Service Charges on Deferred Payment

Amount Deferred	Service Charge
$100 to $299	$10
$300 to $499	$15
$500 to $799	$20
$800 to $1199	$25
$1200 to $1399	$30
$1400 to $1599	$35
$1600 to $1799	$40
$1800 to $1999	$45
$2000 to $2199	$50
$2200 and over	$55

When you defer payment of tuition and fees, you agree to pay the balance of your tuition, fees, and service charges in two equal payments. For fall semester, the first payment is usually due around the first of October; the second payment, around the first of November. For spring semester, the first payment is due around the first of March; the second payment, around the first of April.

NOTE: If your deferred-payment account becomes delinquent, the university will cancel your registration. In addition, you will have to pay an $10.00 late charge, and you will forfeit any opportunity to defer payment at some later time.

If financial aid arrives before your loan is repaid, the financial aid will be applied to the amount you still owe on the loan. This application of financial aid takes precedence over any other method of repayment. If you defer payment and then withdraw from the university, BSU will deduct the amount owed on your account from any refund you may be eligible to receive. You will also be charged a $15 processing fee in addition to a $25.00 complete withdrawal fee.

If you are enrolled for 6 or more credit hours and are able to pay the minimum 40% down payment, you may apply for deferred payment at the Deferred Fees Office, Administration Building, Room 204, 208 385-1587.

How BSU Calculates Your Tuition and Fees

When you apply for admission to BSU, you pay a one-time, nonrefundable fee ($20) for processing your application. To calculate your other tuition and fees, BSU uses a milestone of eight credits per semester. Once you register for 8 or more credits, you are required to pay the full tuition and fees shown in Table 6.2, below.

Table 6.2
Full Tuition and Fees, Per Semester, as of October 1, 1996
(8 credits or more)

Tuition and Fees	Resident	Nonresident
Tuition	$0	$2673
Institutional Fees	$1052	$1052
Total (for up to 19 credits)	$1052	$3725
Overload Fee*	per credit hour	per credit hour

*An overload fee is imposed if you register for more than 19 credits. Each credit over 19 costs the per-credit-hour cost in Table 6.3, below.

In determining whether you have reached the milestone of 8 credits per semester, BSU counts all credit hours on your registration form, including credit hours under audit status, credit hours for courses you are repeating, and credit hours for workshops. In short, nearly every combination of any type of

credit hour counts toward that 8-credit milestone. Please note, also, that developmental courses (such as E 010 Developmental Writing or M 020 Elementary Algebra) count as 3 credits each toward the 8-credit milestone, even though you earn no credits by taking the course.

Bear in mind, though, that paying full tuition and fees doesn't necessarily make you a full-time student. Instead, the university determines if you're a full-time student according to the policies defined in Chapter 2, "General Policies."

NOTE: Fees for off-campus applied technology programs may vary from on-campus applied technology programs.

NOTE: Tuition, fees, and other charges are subject to change at any time by the Idaho State Board of Education, acting as the Board of Trustees for Boise State University.

Other Fees and Charges

If you enroll for fewer than eight credits, your fees are calculated by the credit hour, as shown in Table 6.3, below. Nonresident tuition is not charged if you are enrolled in 7 credits or less.

Table 6.3
Partial Fees, Per Semester, as of October 1, 1996
(less than 8 credits)

Type of Credit	Fall or Spring Semester	Summer Session
Undergraduate	$90 per credit hour	$84 per credit hour
Graduate	$114 per credit hour	$106 per credit hour

If you enroll in private music lessons, you pay a music fee according to the schedule shown in Table 6.4, below.

Table 6.4
Fees for Private Music Lessons

2 Credits	4 Credits
$125	$250

These music fees may be waived, however, if you are a music major enrolled for 8 or more credits. To be eligible to receive the waiver, you must be taking the class in order to satisfy a requirement for private performance study in a B.A. or B.M. degree program. You must also be concurrently enrolled, for credit, in a major ensemble and in a concert class. You must receive a grade of C or higher in the ensemble and a grade of P (for *Pass*) in the concert class. For more information about this policy, and to apply for the waiver, contact the music department.

Senior Citizen Rate If space in a course is available, Idaho residents who are at least 60 years old may register for the course and pay $5 per credit hour, a $20 registration fee (per semester), and any special fees (such as for private music lessons or laboratory fees). To register at the senior citizen rate, first apply for admission, then request the form *Senior Citizen's Waiver* from the Cashier's Office, Administration Building, Room 211. Fill out the form according to the instructions. When you pay your registration charges, you will need to show the cashier your driver's license, birth certificate, or other proof of your age. You are required to fill out the Senior Citizen's Waiver form each semester you register.

Idaho Residency Requirements

When you are first admitted to BSU, the university classifies you as either a resident student or a nonresident student, then uses this classification to determine your tuition and fees. This section briefly answers two of the most frequently asked questions about residency requirements. It is the student's responsibility to apply for residency status. Please refer to the "Appendix" for complete resident/nonresident classification information. For further information, please contact the Cashier's Office, Administration Building, Room 211, Telephone 208 385-1212 or 208 385-3699.

Q: When I first enter the university, what determines my residency status?

A: For the purpose of calculating tuition and fees, your status is determined by your responses to several questions on your application for admission. In general, students are considered residents of Idaho if their parents have resided in Idaho for 12 consecutive months before the first day of classroom instruction.

Q: Can I appeal BSU's decision to classify me as a nonresident student?

A: Yes. To do so, obtain an appeal affidavit from the Cashier's Office, Administration Building, Room 211. Complete the form and submit it according to the instructions provided by the 15th day of class during the semester in which they are enrolled.

Refund Policy

In general, if you completely withdraw from BSU **on or before the fifth day of the semester**, you are eligible to receive a full refund of the money you paid to register (less a $25.00 processing fee). If you withdraw after the fifth day but before the tenth day of the semester, you are eligible to receive a 50% refund of the money you paid to register (less a $25.00 processing fee). If you withdraw after the tenth day of classroom instruction, you receive no refund. No refunds for private music lessons can be granted after the first five days of classroom instruction. Overload fees are not refunded.

NOTE: In determining whether you have met the deadline and are therefore eligible for a refund, BSU considers only the date on which you applied for a refund—not the date on which you stopped attending class. Please note, also, that registering late has no effect on refund deadlines; BSU cannot extend the deadlines to take into account a late registration. In summary, you must completely withdraw from the university **and** apply for your refund no later than the tenth day of classroom instruction.

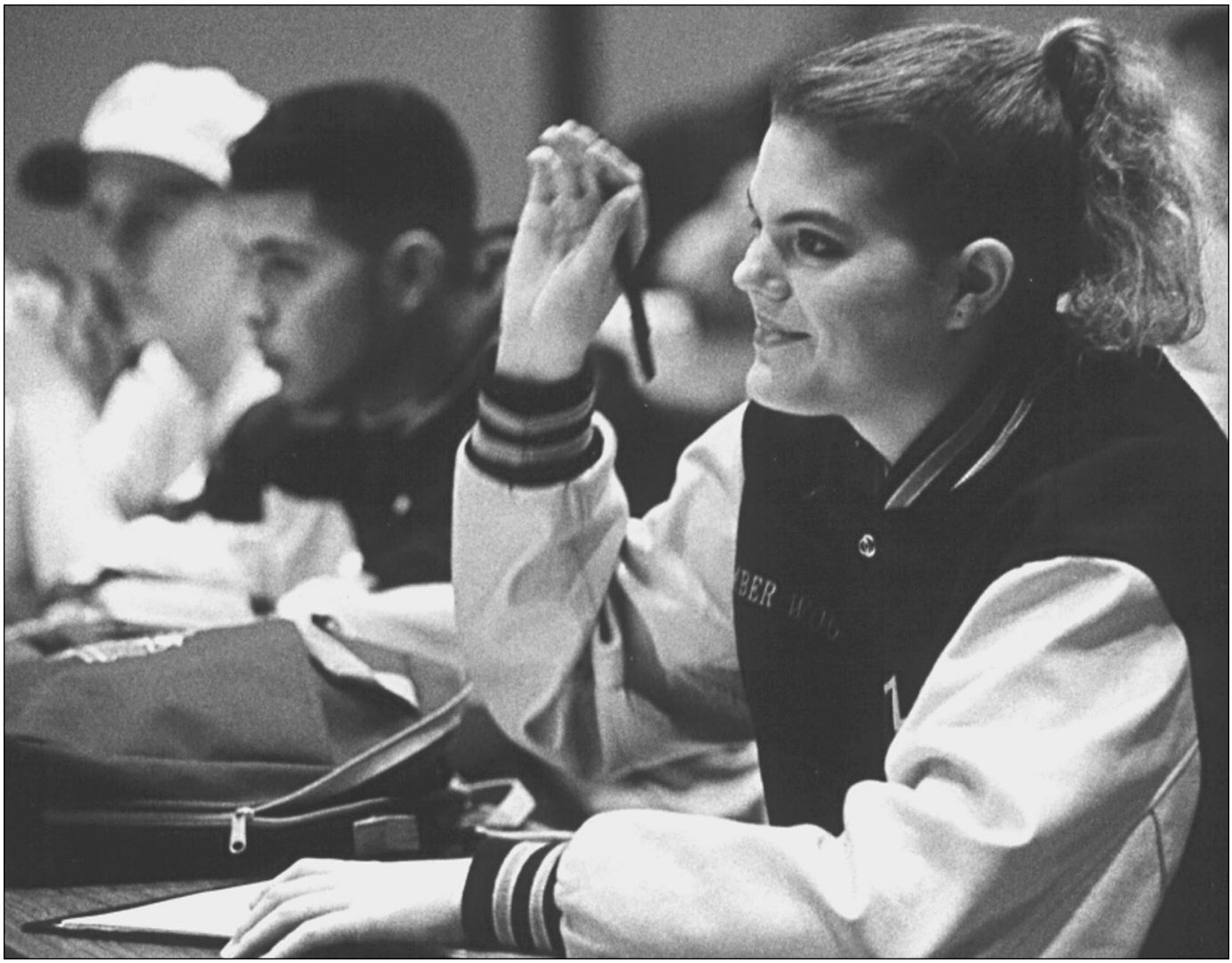
This general refund policy applies to full-time and part-time students regularly enrolled at the time of the withdrawal. However, the policy may not necessarily govern refunds for short courses, special workshops, and continuing education classes. Because refund policies for such classes may vary, you should direct any request for a refund to the academic unit or organization offering the class.

In some circumstances, you may be expecting a full refund of tuition and fees, yet receive less than the amount you have paid to BSU. If you owe money to the university, that money will be deducted from the refund before it is issued. Similarly, BSU will take a deduction from the refund check if you used financial aid to pay all or part of room-and-board costs, tuition, or registration charges. In such cases, BSU reimburses the government agency or other organization that furnished the financial aid. Any balance that remains is forwarded to you, usually three to four weeks after you withdraw from the university.

Student Health Insurance Program

All full-fee paying students (those enrolled in 8 or more credit hours) are covered under the university's Student Health Insurance Program unless they choose not to be covered by the program. The premium is included in the fee schedule for each semester. Coverage begins on the first day of classroom instruction, or if the fees are paid late, on the day the fees are paid. Students are insured at home or school, while traveling, and during all vacation periods 24 hours a day for the policy period. Coverage for the fall semester begins on the first day of classroom instruction and ends on the first day of the spring semester. Spring semester benefits continue until the first day of the fall semester.

Part-time students enrolled for 3 or more credit hours may enroll for the Student Health Insurance Program at registration, if they so desire. The premium is payable each semester in the Cashier's Office, Administration Building, Room 211, 208 385-4063, during the first 30 days of each semester. No billings will be sent for the insurance premium.



Dependent coverage is available to dependents of the above students. In order to purchase dependent coverage, the student must also be insured under the Student Health Insurance Program. Students may enroll their dependents by completing the Enrollment form which is attached to the brochure, and paying the premium to the Student Health Insurance Representative in the Cashier's Office, Administration Building, Room 211, 208 385-4063. Dependent coverage is on a voluntary basis and billings will not be sent.

Refund Policy Any student with existing health insurance coverage may be exempt from participation in the Student Health Insurance Program by completing and filing a Refund Petition each academic semester prior to paying fees. Forms are available from the Health Insurance Representative in the Cashier's Office. Completed forms must be submitted to the Cashier's Office after the student registers for classes and before fees are paid.

For consultation on the program, refunds, and claim procedures, contact the insurance representative, Administration Building, Room 211, 208 385-4063 .

NOTE: All full-fee-paying students may obtain medical assistance or services at Student Health Service, 2103 University Drive, Boise, ID 83725. Student Health Service has no connection to the insurance program covering BSU students.

Questions About Tuition and Fees?

If you have questions about tuition and fees, contact the Bursar's/ Cashier's Office, Administration Building, Room 211, 208 385-3699/4068.

Questions About Student Loans?

If you have questions about student loans, contact the Student Loan Office, Administration Building, Room 209, 208 385-3951.

Questions About Other Financial Aid?

If you have questions about financial aid, contact the Financial Aid Office, Administration Building, Room 117, 208 385-1664.

Questions About Residency Status?

If you have questions about residency status, contact the Cashier's Office, Administration Building, Room 211, 208 385-1212.

Chapter 7—Financial Aid

Through the Financial Aid Office, Boise State University administers a comprehensive financial aid program to assist students who would otherwise be unable to afford to attend the university. Of course, students are responsible for paying for their education; however, scholarships, loans, grants, and part-time employment are available to fill the gap between students' financial resources and their educational expenses.

In most cases, to be eligible for financial aid you must be a United States citizen or a permanent resident of the United States, you must enroll in an eligible program and typically enroll for at least 6 credits, you must be in good academic standing, and you must make reasonable academic progress toward a degree, diploma, or certificate. In addition, you must complete all degree requirements by the maximum time allowed. (A few students enrolled in fewer than 6 credits may be eligible for some types of assistance.) Most often, you must also demonstrate financial need in order to receive financial aid. In determining the extent of your financial need, the university applies federal formulas to the information you supply on the *Free Application for Federal Student Aid* (FAFSA). In all cases, the university makes every attempt to ensure that financial aid is distributed fairly.

NOTE: No financial aid is available for international students. To receive a student visa as an international student, you must demonstrate that you have financial resources sufficient for one year of study at BSU. International students who encounter financial difficulties are encouraged to seek assistance from the Foreign Student Admissions Office.

The following sections describe the types of financial aid available at Boise State University, procedures for distributing that financial aid, and procedures for applying for financial aid. Also included in this chapter is information about credit requirements and your obligations as a recipient of financial aid, particularly your obligation to maintain reasonable academic progress.

Sources of Financial Aid

The foundation for financial aid is the **Federal Pell Grant**, a federal grant available to undergraduate students with documented financial need. Pell Grants range from $400 to $2700, though these figures are subject to change each year. If a Pell Grant is insufficient to pay your educational expenses, you may be eligible to receive other types of aid, including a **Federal Supplemental Educational Opportunity Grant** or a **State Student Incentive Grant**. These grants are awarded to undergraduate students who show exceptional financial need. Typically, all three types of grants do not have to be repaid. Other types of financial aid—including loans, scholarships, and nonresident tuition waivers—are described below.

Available to graduate and undergraduate students with exceptional financial need, **Federal Perkins Loans** are long-term, low-interest loans that must be repaid to the university according to federal guidelines. Repayment begins six or nine months after you graduate or after your enrollment drops below six credits. Table 7.1 shows estimated repayment schedules for Perkins loans of various amounts.

Table 7.1
Estimated Repayment Schedules for Federal Perkins Loans (based on 5% interest rate)

Loan Amount	Number of Payments	Amount of Payments	Total Interest	Total Amount
$ 1,000.00	36	$ 30.00*	$ 78.85	$ 1,078.85
$ 2,000.00	79	$ 30.00*	$ 347.90	$ 2,347.90
$ 4,000.00	120	$ 42.42*	$1,090.40	$ 5,090.40
$ 6,000.00	120	$ 63.63*	$1,635.60	$ 7,635.60
$ 8,000.00	120	$ 85.48*	$2,182.00	$10,182.00
$10,000.00	120	$106.06*	$2,727.20	$12,727.20

*Final payment will be slightly less.

William D. Ford Federal Direct Loans are need-based, long-term loans available to undergraduate and graduate students. If you receive a direct loan, you must attend a debt-management training session before BSU issues your check. In addition, you must attend an exit interview when you graduate or withdraw from the university. Repayment of a direct loan begins six months after you graduate or six months after your enrollment drops below six credits. Table 7.2 shows estimated repayment schedules for direct loans in various amounts. The interest rate is variable but will not exceed 8.25%. There are numerous other repayment options for the direct loan. More information will be made available at the time you borrow.

Table 7.2
Estimated Repayment Schedules for Federal Direct Loans (based on 8% interest rate)

Loan Amount	Number of Payments	Amount of Payments	Total Interest	Total Amount
$ 2,500.00	60	$ 50.70*	$ 541.46	$ 3,041.46
$ 5,000.00	60	$101.39*	$ 1,082.92	$ 6,082.92
$10,000.00	120	$121.33*	$ 4,559.31	$14,559.31
$12,500.00	120	$151.67*	$ 5,699.14	$18,199.14
$25,000.00	120	$303.33*	$11,398.28	$36,398.28

*Final payment will be slightly less.

Short-Term Loans are available to students with a minimum grade-point average of 2.00. However, these loans are made only to students who experience a significant financial emergency during the academic year. The loan must be repaid within 90 days. The maximum amount available is $350.

The Federal Work Study Program provides employment opportunities for selected undergraduate and graduate students with demonstrated financial need. The **Atwell J. Perry College Work Study Program** also provides employment opportunities for students; however, only Idaho residents are eligible to participate in the program. The **BSU Work Study Program** has limited funds available for undergraduate and graduate students who are ineligible for federal or state work study programs, but who wish to work to pay a portion of their educational expenses.

Scholarships

Many students finance part of their education with scholarships, which may be awarded for academic achievement, special skills, or talent, or because of the recipient's financial need. The *BSU Scholarship Brochure*, available in the Financial Aid Office, Administration Building, Room 117, lists all of the scholarships available at BSU. A few typical scholarships are described below.

- **Department Scholarships** are available from each department. Departments set the criteria and the scholarship amounts. To apply for a departmental scholarship, complete the *BSU Scholarship Application.*
- **President's Scholarships and Dean's Scholarships** are available to a limited number of first-year students enrolling directly from high school; to be eligible, you must be an Idaho resident. Awarded for one year, these scholarships are given in recognition of outstanding academic achievement. To apply, complete the *BSU Scholarship Application.*
- **State of Idaho Scholarship Awards** are available to incoming first-year students who are Idaho residents. Applications can be obtained from high school counselors or from the Office of the Idaho State Board of Education, 650 West State Street, Boise, Idaho 83720.
- **Paul Douglas Teachers' Scholarship Awards** are available to Idaho residents who plan to pursue a teaching career. Recipients who do not subsequently teach are required to repay the scholarship. Applications are available from the Office of the Idaho State Board of Education, 650 West State Street, Boise, Idaho 83720.

- **Western Undergraduate Exchange (WUE) Awards** can reduce the cost of nonresident tuition for a limited number of students coming to BSU from Alaska, Colorado, Hawaii, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, or Wyoming. To qualify, you must have a high school or college grade-point average of at least 3.0. Students in the following programs are ineligible: nursing, radiologic sciences, respiratory therapy, electronics technology, practical nursing, surgical technology, respiratory therapy technician, dental assistant, electrical lineworker, and business systems and computer repair. You may renew a WUE award from year to year, but only if you maintain at least a 2.0 grade-point average and earn at least 22 credits during the academic year (excluding summer sessions). Students need to complete the BSU General Scholarship Application by the appropriate deadline to be considered for the program for fall semester. Students entering BSU in the spring semester should contact the Admissions Office at 208 385-1757 for application instructions.

Waivers of nonresident tuition are also available to a limited number of undergraduate and graduate students who have good academic records and demonstrated financial need. Through a reciprocity program with Washington, a few partial waivers of nonresident tuition are available to Washington residents. To apply, complete the FAFSA.

How Financial Aid Is Distributed

In May, the Financial Aid Office begins mailing award notices to students who have applied for scholarships. Throughout the year, as applications are processed, the Financial Aid Office mails similar notices to students who have applied for need-based aid (such as loans or grants).

Financial aid is first applied to your registration fees; any remaining balance is then distributed to you. During fall semester, if your registration fees are paid, the remaining balance will be electronically deposited to your bank account or a check for the remaining funds will be mailed to you about one week before the start of classroom instruction. During spring semester, you can pay your spring registration fees with financial aid awarded earlier in the academic year. The balance of your aid will be mailed to you about one week before the start of classes— if your registration fees are paid. Other checks will be ready about two weeks after the award letter is mailed. Checks will be mailed up until two weeks after the close of classes; after that time, checks are returned to the government office or other organization from which they came. Electronic deposit of your financial aid balance checks to a checking or savings account is also available at the beginning of each term.

NOTE: All financial-aid checks are distributed in the Administration Building, Room 209. Please direct questions about disbursement to that office.

Refund Policy In general, students receive no refund of tuition and fees if they withdraw from the university after the tenth day of classroom instruction. However, if you withdraw from the university after receiving a Title IV federal loan or grant (such as a direct loan or a Pell Grant), you are eligible to receive a refund of some or all of your tuition and fees. The amount you are eligible to receive depends on when you withdraw from the university. The Financial Aid Office will calculate all potential refunds against all policies, then distribute the highest refund resulting from that calculation. You may be required to return your refund to federal financial aid programs. A $100 Administrative Fee will be withheld from the refund.

Repayment Requirements If you withdraw from BSU after receiving financial aid, you may have to pay back some or all of that financial aid if the amount of aid you received exceeds the tuition and fees you have paid. The amount you pay is determined by the week in which you withdrew. Contact the Financial Aid Office for further information.

Your Pell Grant eligibility will be recalculated based on your registration hours on the tenth day of classes. In some instances, you may need to repay a portion of the Pell Grant already paid to you.

Any change in your enrollment status may affect your ability to maintain reasonable academic progress (see "Reasonable Academic Progress," below).

Reasonable Academic Progress

If you are receiving financial aid, you must:

- enroll for the purpose of obtaining a degree, diploma, or certificate
- maintain good academic standing (that is, you cannot be on probation or fail required courses in your major)
- complete your degree requirements within the maximum time allowed, which is a maximum credits attempted of 150% of the credits needed to complete a specific program

Credit Information and Requirements

1. All students will be required to complete at least 75% of all credits attempted. Example: A student attempts 18 credits during fall semester and 9 credits during spring semester for a total of 27 credits attempted. If the student completes at least 21 credits, the 75% rule of the reasonable academic standard has been met.
2. Credits attempted are defined as all classes for which a student receives a passing grade, an "F", and "I", or a "W". (The "W" is recorded on withdrawals or dropped classes 10 days after the start of fall or spring classes. This period differs in the summer terms.)
3. Credits completed are defined as all classes for which a student receives a passing grade of "A", "B", "C", "D", or "P".
4. Development courses (E 010, etc.) will be counted as credits attempted. They will also be counted as credits completed if a passing grade is received for the course.
5. Audit credits do NOT count either as credits attempted or completed.

Limited Financial-Aid Status

For one semester, the following students attend BSU under limited financial-aid status:

- students who transfer to BSU with a probationary grade-point average
- students who have credit deficiencies but have not attended BSU for more than three years

If at the end of the semester you still have a credit shortage or are on probation, you must file an appeal to have your eligibility for financial aid reinstated.

Normal Path of Advancement

For you to make reasonable academic progress, your studies at BSU must follow a normal path of advancement from certificate to degree or from degree to degree. That is, you are expected to move from a certificate to a baccalaureate degree, from an associate's degree to a baccalaureate, or from a baccalaureate to a master's degree.

Reasonable Academic Progress Review

The university reviews all financial aid files at the end of the spring semester. If you are not making reasonable academic progress, you will be ineligible for financial aid until you are once again making reasonable academic progress.

Appeals If the university declares you ineligible to receive financial aid because of your failure to make reasonable academic progress, you have the right to file a written appeal for temporary exemption from this policy. In filing an appeal, you must document any extenuating circumstances that prevented you from making reasonable academic progress. If your appeal is granted, the exemption from this policy will remain in effect for only a short time (usually no longer than one semester). Appeal forms may be obtained from the Financial Aid Office, Administration Building, Room 117. Appeals may be submitted up to the tenth week of the semester but will not be considered thereafter. Finally, you cannot file an appeal in one semester for an action brought about in the previous semester.

Reinstatement Before reinstating your financial aid eligibility, the university must certify that you are making reasonable academic progress. At the very least, you must no longer be on probation and you must have passed 75% of the credits you attempted. In addition, you cannot be reinstated if you have exceeded the maximum time limit for receiving aid.

How to Apply for Financial Aid

Most financial aid is awarded for use during the spring or fall semester; the university has limited financial aid available for the summer session. If you need financial aid for the summer session, consult with the Financial Aid Office as soon as the *BSU Summer Bulletin* is available. Please note, also, that your *Free Application for Federal Student Aid* must be on file by May 1 for you to be eligible for financial aid for summer sessions.

To apply for financial aid, submit the following documentation:

- *Free Application for Federal Student Aid* (FAFSA). You must submit the FAFSA if you are applying for such need-based federal aid as a Federal Direct Loan or a Pell Grant. The FAFSA is available from the Financial Aid Office in January.

  NOTE: The *Renewal FAFSA* can be used instead of the FAFSA. Students who applied for financial aid by November 1 will receive a renewal application. Students can use either the *Renewal FAFSA* or the regular FAFSA.

- *BSU Application for Scholarship*. If you wish to apply for a scholarship at BSU, you must submit this form to the Financial Aid Office. Some scholarships specify that recipients must show financial need; if you wish to apply for such need-based scholarships, you must submit both the *BSU Application for Scholarship* and the *Free Application for Federal Student Aid* (FAFSA). Both applications are available from the Financial Aid Office. Both applications must be received by the Financial Aid Office by March 1.

- Financial Aid Transcript. To apply for any type of financial aid, you must submit a financial aid transcript from all other post-secondary institutions you have attended—regardless of whether you applied for or received financial aid at those institutions.

NOTE: Before your financial aid application can be processed, you must either be admitted to the university or a continuing student.

In addition to the documents listed above, the Financial Aid Office may require supporting documents before processing your financial aid application. If so, the Financial Aid Office will notify you that they need supporting documents. Documents typically requested include tax returns, proof of citizenship, proof of veteran's benefits, or proof of untaxed income.

NOTE: You should mail all necessary forms and supporting documentation no later than March 1 to ensure that the Financial Aid Office receives them by April 1 (the date established as the priority deadline). If your application is received after April 1, you may still be eligible to receive financial aid; however, the Financial Aid Office may not be able to process your application in time to award the aid by the deadline for paying your fall registration fees.

Privacy Notice

The Financial Aid Office will release no information to your parents, your spouse, or your children without first obtaining your written permission. This policy also applies to the release of information to non-university personnel and outside agencies. If you wish to give your permission to release this information, obtain a release form from the Financial Aid Office. For more information about the university's privacy policy, see Chapter 2, "General Policies and Procedures."

Questions About Financial Aid?

If you have questions about financial aid, contact the Financial Aid Office, Administration Building, Room 117, 208 385-1664.

Chapter 8—Student Housing

Student housing is available through the Office of Student Residential Life, which administers housing in the four residence halls located on campus and the five apartment complexes located within walking distance from campus. This chapter describes the student housing available at BSU, provides cost information for the residence halls and university apartments, and describes the assistance BSU provides to students seeking off-campus housing.

NOTE: If you wish to live in university housing while attending BSU, you must submit two applications: one for housing and another for admission to the university. If you apply for housing, the Office of Student Residential Life accepts your application for housing, processes the application, and accepts payment from you for housing. However, none of those actions constitutes acceptance or approval of your application for admission to the university. Likewise, being accepted for admission to the university does not mean that your application for housing has been accepted and approved.

Fair-Housing Policy

Boise State University is an equal-opportunity institution and offers its living accommodations and makes housing assignments without regard to race, color, national origin, or handicap (as provided for in Title VI and Title IX and Sections 503 and 504 of the Rehabilitation Act of 1973). Furthermore, BSU accepts listings of off-campus, privately-owned accommodations with the understanding that the accommodations are operated in a manner consistent with this fair-housing policy.

University Residence Halls

Altogether, the four on-campus residence halls accommodate more than 890 students. Of those students, most are undergraduate students living in **Chaffee Hall** (430 students) or **John B. Barnes Towers** (300 students).

- **Chaffee Hall** is divided into three separate 3-story units; enclosed corridors connect the units to a common area containing a lounge, office, and recreational facility. Each floor has a small informal lounge, study room, bathrooms, and laundry facilities. Two students occupy each room. All rooms are equipped with a telephone. The new wing of Chaffee Hall has double rooms with connecting semi-private bathrooms. Chaffee Hall also houses a computer lab.

- **John B. Barnes Towers** consists of six residential floors: the bottom two floors are for men only, the top two floors are for women only, and the two floors in between are for both men and women. The carpeted and air-conditioned residence hall is equipped with study lounges, laundry facilities, and a computer lab. Four students occupy each room. Each room has its own bathroom and telephone.

- **Morrison Hall** and **Driscoll Hall** are both coed and nearly identical in design. Each hall contains 52 single and 15 double rooms, arranged into suites housing 8 to 12 students. Applicants requesting housing in Morrison Hall must be 21years of age or older. These restrictions do not apply to Driscoll Hall, though applicants requesting housing in Driscoll Hall are given priority if they are sophomores or above, over the age of 21, or students participating in the Honors College.

If you wish to stay in a residence hall during semester break or spring vacation, you will be charged on a per-day basis, in addition to the charges covered by your housing contract. Meal service is suspended during these times.

Cost Information

When the Office of Student Residential Life accepts your application for housing in one of the residence halls, your contract covers room and board for one academic year, as well as the costs of local telephone service, cable TV service, and state sales tax. Housing prices also include a nonrefundable fee of $25 to cover the expense of student government programs and special events held in the residence halls. Table 8.1, below, lists 1996-1997 prices for housing in the residence halls, along with the meal options available.

NOTE: Students occasionally ask if they can pay a reduced rate for housing if they omit the meal option from the housing contract. However, the economics of on-campus housing require BSU to base its charges on both room **and** board. If you apply for on-campus housing, you must select one of the meal options shown in Table 8.1. Full cooking facilities are unavailable in the residence halls.

Table 8.1
Meal Options and 1996-1997 Prices

Options	Room Choices	
	Double	Single
Option 1: (19 meals per week, 3 each weekday and 2 on Saturday and Sunday)	$3,370	$3,827
Option 2: (Any 15 meals of the 19 available per week)	$3,264	$3,721
Option 3: (Any 10 meals of the 19 available per week)	$3,106	$3,563
Option 4: 135 meals and $140 of Flex Dollars per semester	$3,370	$3,827
Option 5: 100 meals and $185 of Flex Dollars per semester	$3,264	$3,721
Option 6: 70 meals and $215 of Flex Dollars per semester	$3,106	$3,563

NOTE: When you pay your bill for housing, you pay for the meals specified in the option you have selected. However, the university cannot give you a refund for any meals you do not eat. All room and board prices and other charges are subject to change at any time by the State Board of Education, acting as Trustees for Boise State University.

Rules and Regulations Rules and regulations governing student housing are defined generally in this chapter and more specifically in the *BSU Student Handbook*, the *Residence Hall Contract*, and the *Residence Hall Handbook*. Housing contracts issued by the Office of Student Residential Life incorporate by reference all of these rules and regulations.

Housing Preferences If your application for housing is accepted, BSU will assign you to a room in one of the four residence halls. In doing so, BSU will make every effort to accommodate the preferences you have indicated on the application. However, priority is given to continuing residence-hall students over new residence-hall students. Room assignments are based on the date your application is received (along with the $75.00 application fee/security deposit). If you have a roommate preference, the two of you should arrange for your applications to arrive at about the same time, so you will be about equal in priority. In any event, you should apply for housing as soon as possible, so that you can better your chances of receiving the accommodations you prefer. Finally, please note that the preferences you indicate on the housing contract are not themselves contractually binding, though they will be honored whenever possible.

How to Apply for On-Campus Housing

To apply for housing in one of the residence halls, request an application from the New Student Information Center, Boise State University, 1910 University Drive, Boise, ID 83725. To request an application by telephone, call 208 385-1820. Complete the application according to the instructions and return it to the Housing Cashier's Office, Administration Building, Room 213.

University Apartments

Married students, single students, and single students with children may apply to rent apartments in one of five BSU complexes: University Courts, University Heights, University Manor, University Park, and University Village. Nearly 300 apartments are available, all within walking distance of the campus. A community center and computer lab are open to all apartment residents.

- **University Courts** consists of one-bedroom apartments (both small and large), two-bedroom apartments (both small and large), and three-bedroom apartments, all of them carpeted and equipped with a stove

and refrigerator. Coin-operated laundry facilities are located on site, and all utilities except electricity are provided.

- **University Heights** and **University Manor** consist of one-bedroom and two-bedroom apartments, each of which is fully carpeted and equipped with a stove and refrigerator. Coin-operated laundry facilities are located on site, and all utilities are provided.

- **University Park** consist of two-bedroom and three-bedroom apartments, each of which is fully carpeted, air conditioned, and equipped with a stove and refrigerator. Coin-operated laundry facilities are located on site. Tenants at University Park pay all utilities except water, sewer, and trash.

- **University Village** consists of two-bedroom apartments, each of which is fully carpeted, air conditioned, and equipped with a stove, refrigerator and dishwasher. Coin-operated laundry facilities are located on site. A computer lab is located at University Village. Tenants at University Village pay all utilities except water, sewer, and trash.

Eligibility All BSU apartments are reserved for full-fee paying or matriculated married students and full-fee paying or matriculated single students with children. Single students without children are allowed to rent one- and two-bedroom apartments, but only if the apartments are not needed by student families.

Cost Information Table 8.2 contains 1996-1997 monthly rental rates for units in the apartment complexes operated by BSU.

Table 8.2
Rental Rates Per Month (1996-1997 Prices)

Apartment Complex		Monthly Rent
University Courts:	Small One Bedroom	$342
	Large One Bedroom	$402
	Small Two Bedroom	$417
	Large Two Bedroom	$452
	Duplex Two Bedroom	$452
	Three Bedroom	$492
University Heights:	One Bedroom	$417
	Two Bedroom	$467
University Manor:	One Bedroom	$417
	Two Bedroom	$467
University Park:	Two Bedroom	$432
	Three Bedroom	$462
University Village:	Two Bedroom	$465

NOTE: All rental rates and other charges are subject to change at any time by the State Board of Education, acting as Trustees for Boise State University.

Applying to Rent an Apartment

To apply to rent an apartment, request an application form from the New Student Information Center, 1910 University Drive, Boise, ID 83725, 208 385-1820, or from the Office of Student Residential Life, Administration Building, Room 214, Boise State University, Boise, ID 83725, 208 385-3986. After completing the application, return it to the Housing Cashier's Office, Administration Building, Room 213, along with a check or money order for $50. The university will conduct a credit check and a review of your references. If your application is accepted, BSU will keep the $50 as a deposit.

BSU will notify you when an apartment is ready. When you move in, you must sign a lease that requires you to rent the apartment at least until the end of the month after the month in which you move into the apartment. Finally, you must pay a security/damage deposit of $250 (minus the $50 you enclosed with your application).

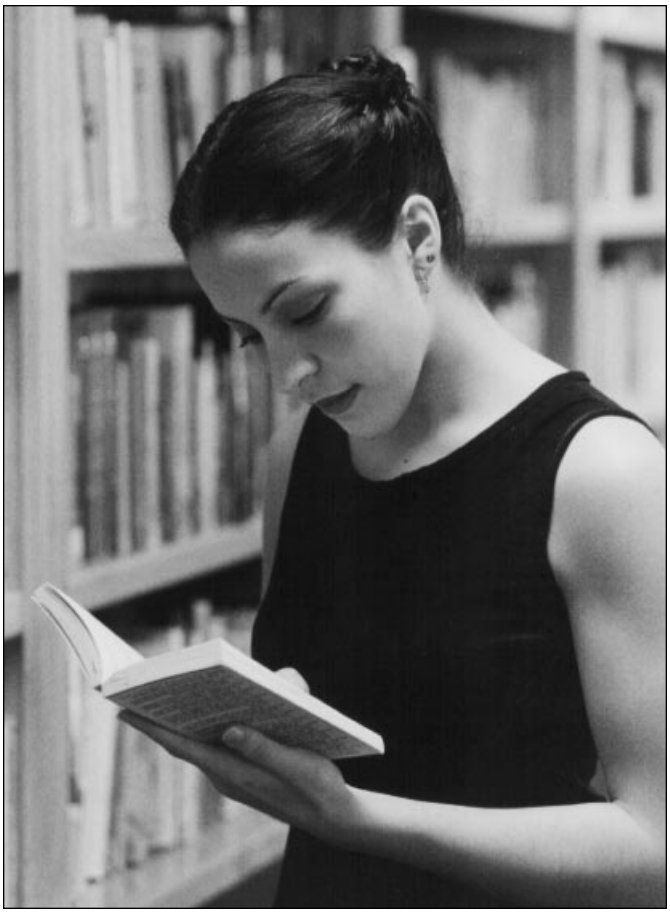
When you move out of the apartment, BSU deducts a $25 processing fee from your security/damage deposit. If no damage is present, BSU refunds the balance of your deposit; if damage is present, some or all of your deposit may be applied to the cost of repairing the damage. You may also be liable for repair costs that exceed the amount of your deposit.

Off-Campus Student Housing

To assist students in locating off-campus housing, the Office of Student Residential Life maintains lists of houses and apartments available for rent or lease from private parties. The university does not inspect any of the listed property, and it does not verify the accuracy of the listings. For these reasons, the university can assume no responsibility for the consequences of using these lists to locate suitable housing; that responsibility lies solely with the student. In any event, the university recommends that you put, in writing, any agreement you reach with a landlord or property owner, specifying the obligations and expectations of each party.

? Questions About Student Housing?

If you have questions about student housing, contact the Student Residential Life Office, Administration Building, Room 214, 208 385-3986.



Chapter 9—Student Services

Boise State University provides a variety of services, programs, and activities to help students obtain the maximum benefit from their university experience; most are free for currently enrolled students. Described below, these services, programs, and activities are grouped alphabetically in the following categories:

- Academic
- Family and Health
- Student Organizations
- Other Student Services

Academic

The following services are available to students seeking assistance with academic matters, from improving their writing, reading, and study skills to planning for a career.

Academic Advising Center If you are currently enrolled but have not yet selected a major, you should come to the Academic Advising Center, located in the Math/Geosciences Building, Room 105, 208 385-3664 for assistance in selecting courses, meeting general university requirements, and exploring academic opportunities.

Career Center For alumni and all students, the Career Center, located at 2065 University Drive, 208 385-1747, offers career counseling, assistance in selecting a major, career-planning workshops, and employment assistance (including instruction in writing resumes and cover letters), videotaped interview training, and job-search skills seminars. The Career Center has two automated career-guidance systems, as well as a resource library containing career-oriented publications and information about job prospects, salaries, and job descriptions. In addition to sponsoring an annual career fair, the center maintains reference files for graduating students and, upon request, forwards copies of the files to potential employers. Graduating students and alumni can review job listings and schedule campus interviews with employers from businesses, industries, government agencies, and school districts.

International Programs/Studies Abroad Academic study and travel opportunities to a variety of countries are available through the International Programs/Studies Abroad programs administered by the Division of Continuing Education. Students and faculty may spend a semester or a year in Germany, Spain, France, Italy, England, Japan, Canada, Mexico, Chile, Thailand, or Australia. Summer campuses are located in Spain, France, Italy, England, Mexico, Costa Rica, and Canada. Staying in local homes or in apartments with international students, studying a balanced curriculum, and making frequent field trips creates a rich cultural and academic experience for BSU students, who receive BSU credit for studies in these programs. In addition, several short-term study tours to locations in Europe, the United States, and Asia are offered at various times of the year. For more information about Studies Abroad, call 208 385-3652. For more information about study tours, call 208 385-3295.

National Student Exchange Program Involving over 100 colleges and universities, the National Student Exchange Program enables students to spend up to one year attending one of the host institutions located in the United States, Puerto Rico, the Virgin Islands, or Guam. While attending the host institution, students may pay either the current BSU fees or in-state tuition at the host school. Credits and grades earned at the host institution are recorded at the home campus as part of the student's regular transcript. To be eligible, student must be enrolled full-time at BSU, have sophomore or junior standing during the exchange, and have a minimum grade-point average of 2.5. Additional information and application materials may be obtained from the National Student Exchange Office, Student Union Building, 208 385-1280.

New Student Information Center A division of the Admissions Office, the New Student Information Center, located in the southeast corner of the Student Union Building, 208 385-1820, provides information to prospective and newly admitted students. You may contact the center for information on admission, campus visits, housing, financial aid, and special programs for new and prospective students.

Orientation Before your first semester at BSU, you should participate in the academic and social events offered by the Orientation Committee. The events are designed to assist you in making the transition into the university community. New students are mailed an invitation about one month before classes begin. For more information, call 208 385-1820.

Tutoring The Student Special Services Office, located in the Administration Building, Room 114, 208 385-3794, provides tutoring services to complement classroom instruction. Currently enrolled students are eligible to receive tutoring through campus centers or small-group tutoring. If you wish to hire a private tutor, Student Special Services can provide a list of qualified tutors. All tutors are second-year or advanced students recommended by their academic departments, and all have earned an overall grade-point average of 3.0 and at least a B in the courses they tutor. In addition, all tutors are trained and supervised by the professional staff of the Student Special Services Office.

- The Math Drop-In Center is located in the Math/Geosciences Building, Room 243.
- The Physics and Chemistry Drop-In Center is located in the Science/Nursing Building, Room 339.
- The Larry G. Selland College of Applied Technology's Academic Skills Development Center is located in Technical Services Building, Room 215, and a similar center is located at the Canyon County Campus, Room 117.

Test Preparation Assisting students to prepare for graduate school is the focus of two short courses offered by BSU Continuing Education, 208 385-3492. The noncredit courses cover the Graduate Records Exam (GRE) and the Graduate Management Admissions Test (GMAT).

Writing Center At the Writing Center, located in the Liberal Arts Building, Room 220, 208 385-1298, you can receive free, one-to-one consultation on your writing, in any subject. BSU faculty, staff, and students may use the center at the times listed below:

- Monday, 8:30 a.m. to 2:30 p.m. and 3:40 p.m. to 7:30 p.m.
- Tuesday through Thursday, 8:30 a.m. to 7:30 p.m.
- Friday, 8:30 a.m. to 4:30 p.m.
- Saturday, 10:00 a.m. to 4:00 p.m.
- Summer Hours: Monday through Friday, 10:00 a.m. to 1:00 p.m.

To make the best use of the Writing Center, please make an appointment; during busy times in the semester, the appointment chart fills up two to three days in advance. Bring a draft of your paper and a copy of the assignment. If you do not have a full draft because you are not sure how to begin or how to complete it, come anyway, because the Writing Center can still help.

The Writing Center's web site can be found at http://www.idbsu.edu/wcenter/. There you will find the center's *Word Works* publication, instructions for receiving online responses to drafts by e-mail, and links to a wealth of writing resources at other web sites.

Family and Health

The organizations listed below offer services related to family and health, from counseling and testing to child care and medical treatment.

Children's Center The University Children's Center, 208 334-4404, operates two facilities: one in the Northeast corner of the Pavilion and the other at the corner of Beacon and Oakland, one block north of Lincoln. Child care is provided for children 6 weeks of age to 5 years old. The Center is accredited by the National Academy of Early Childhood Programs and is licensed by the city of Boise.

Counseling and Testing Center The Counseling and Testing Center's primary purpose is to help students deal more effectively with concerns that influence their pursuit of personal and academic goals. The center is staffed with psychologists, counselors, para-professionals, and graduate counseling students. Services range from individual counseling and crisis intervention to workshops and seminars aimed at enhancing the overall learning environment at BSU. In particular, the center assists students in resolving such matters as interpersonal conflicts, test anxiety, stress-related problems, depression, couples' concerns, academic and career decision making, and social and emotional problems. The Center also administers many standardized tests, including CLEP, NTE, LSAT, GRE, GMAT, MAT, and others. Services are free to students enrolled in six or more credit hours. To make an appointment, call 208 385-1601 between 8 a.m. and 7 p.m., Monday through Thursday and 8 a.m. and 5:00 p.m. on Friday, or stop by the center (sixth floor of the Education Building).

Insurance Coverage All full-fee-paying students (those enrolled for 8 or more credit hours) are automatically covered by the health insurance program on the first day of classroom instruction or the day fees are paid (if the student is paying late). Students are insured at home or school, while traveling, and during all vacation periods 24 hours a day for the policy period. Coverage for the fall semester begins on the first day of classroom instruction and ends on the first day of the spring semester. Spring semester benefits continue through August of that year. Student health insurance benefits are available to dependents and to part-time students who pay less than full fees but are enrolled in at least three credit hours each semester.

Refund Policy Any student with existing health insurance coverage may be exempt from participation in the Student Health Insurance Program by completing and filing a Refund Petition each academic semester prior to paying fees. Forms are available from the Health Insurance Representative in the Cashier's Office. Completed forms must be submitted to the Cashier's Office at the time of payment only.

Boise State University Student Health Service (described below) is a separate program not connected with the health insurance. All full-fees students are eligible for medical assistance or service from Student Health Service with or without insurance.

Boise State University carries liability insurance covering all on-campus and official functions.

Health Center Full-fee-paying students may receive outpatient medical care at the Health Center, located at 2103 University Drive, 208 385-1459. The Health Center is equipped to address most of the student's outpatient health-care needs, and will gladly make referrals when tests or procedures are beyond the scope of the clinic's facilities and staffing. Costs for health care services are covered through student fees, but additional charges are made for laboratory work, medications, and specialized procedures. Students are financially responsible for any services received outside of the Health Center. Located directly across University Drive from the Public Affairs/Arts West Building, the clinic is open from 8:00 a.m. to 6:00 p.m., Monday through Friday, and 11:00 a.m. to 2:00 p.m. on Saturday, whenever classes are in session. Summer hours are 9:00 a.m. to 3:00 p.m., Monday through Friday, when classes are in session. Students not enrolled in summer school, but who were full-fee-paying during spring semester are eligible for summer services for a minimal cost. Part-time students may also use the Health Center for a fee for services and miscellaneous lab and medication costs.

Student Organizations

Boise State University offers students the opportunity to participate in over 130 student organizations. Such organizations represent the interests and concerns of a broad spectrum of special-interest groups, from music lovers to rodeo fans. In addition, honorary and professional societies are well-represented on campus, with student chapters for nearly every field of study.

Among the services funded by student fees are the *Arbiter* (the student newspaper) and the Volunteer Services Board. In addition, the Student Programs Board presents a variety of performing-arts events, lectures, concerts, films, special events, and family activities.

Sororities and Fraternities Students paying full fees may apply for membership in the following sororities and fraternities:

- Alpha Chi Omega and Lambda Delta Sigma (national sororities)
- Kappa Sigma and Sigma Gamma chi (national fraternities)

Student Government The Associated Students of Boise State University (ASBSU) strives to represent the interests of all BSU students and to encourage student participation in university life. Toward these ends, the ASBSU sponsors and promotes a well-rounded program of educational, cultural, social, and recreational activities. The ASBSU Executive Branch is composed of the president, who acts as the voice and representative of the students; the vice-president, who is the chief officer of the ASBSU Senate. The ASBSU Senate develops and coordinates ASBSU-sponsored activities, passes legislation for the general welfare of all students, and grants funds to officially recognized campus organizations. The ASBSU Judiciary approves recognition of student organizations, determines the constitutionality of questions brought before it, and serves as the primary hearing board for violations of the Student Code of Conduct. Other advisory and governing boards serve as forums for student comment on vital policy and administrative decisions that affect the ASBSU and the university. For additional information on student organizations and student government, call the Student Activities Office at 208 385-1223.

Student Government Courses Students who are currently serving in major student government offices may participate in independent study in student government. This study will be coordinated by the vice president for student affairs and may be taken in any department of the college (provided that an instructor is willing to direct the study). The ASBSU president and vice president are eligible for this study, as are senators and appointed officers. Credits may not exceed three in any one semester or six in one academic year. A maximum of nine credits in all independent study will be accepted toward graduation. To receive credit for this study you must complete an *Application for Independent Study* form and register for:

SG 188, 496 STUDENT GOVERNMENT INDEPENDENT STUDY (1-3 credits)

Other Student Services

Listed below are a number of services and programs provided to students, staff, and faculty, including services offered by the Student Special Services Office, the Veterans Services Office, and the Women's Center.

International Students The Foreign Student Services Coordinator and the Assistant Dean of Admissions serve as advisors to all international students, assisting with immigration regulations, visas, academic advising, orientation, and registration. As soon as possible after arriving in Boise, new international students must report to the Foreign Student Admissions Office, located in the Administration Building, Room 107, 208 385-1757, which serves as a central source of information for all registered international students.

Multi-Ethnic Center Located in the Student Union Building Annex II, 208 385-4317, the Multi-Ethnic Center is a place where students can meet in a relaxed, friendly atmosphere. Popular among students is the bulletin board containing notices of internships, cooperatives, scholarships, and local job opportunities. Operated through the Student Special Services Office, the Multi-Ethnic Center also provides a forum for workshops aimed at helping students learn the skills they need for a successful experience at BSU.

Student Special Services Office Housed in the Administration Building, Room 114, 208 385-1583, TTY 208 385-1454, the Student Special Services Office provides the following services:

- The **Disabilities Services Office** is responsible for providing support services that enable all students with disabilities to participate in BSU's educational programs and activities. Provides students, faculty, and staff

with information about specific disabilities. The office consists of the Special Services Coordinator, Learning Disabilities Specialist and the Interpreter Coordinator. Among the services provided are:

- student advocacy
- screening interviews
- referrals to local diagnosticians and community services
- accommodation letters for instructors
- information and orientation to the university
- registration assistance
- interpreter and reading services
- help setting up note taking services
- testing accommodations
- various other support services

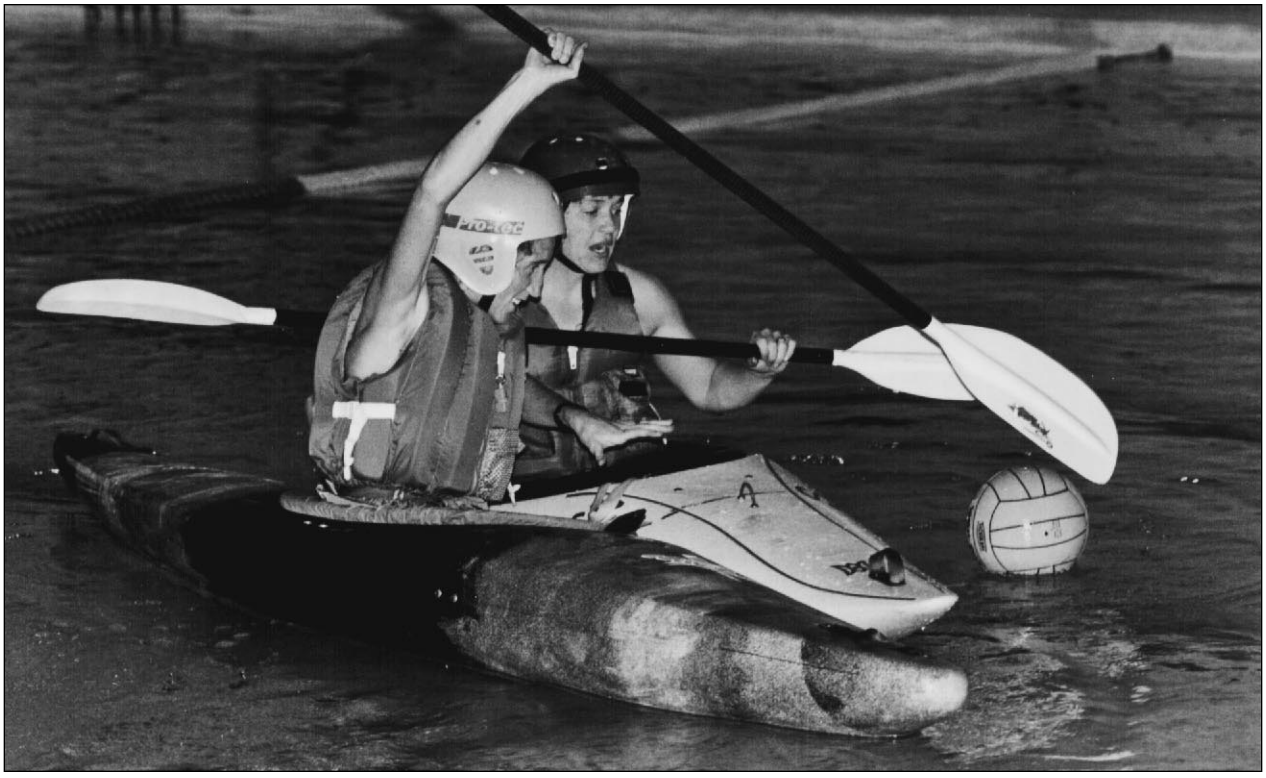
In addition, a limited amount of equipment is available for temporary use by students with disabilities, including a TTY, modified computer terminals, talking spell checkers, and FM loop hearing systems. Other equipment is available at the Albertsons Library, including a Vantage Eric-W, Braille typewriter, Braille dictionary, a Talking Book player, and various reading accessories.

- The **BSU Minority Assistance Coordinator** serves as an advocate in matters concerning minority-student support programs and assists in developing additional services that encourage minority students to stay in school. A primary objective is to promote awareness, understanding, and cooperation among students, faculty, staff, and the community, as well as to encourage appreciation for a diverse population. The Student Special Services Office also assists student organizations as they develop, implement, and coordinate ethnic/diverse programs, working with various groups at different times but generally collaborating with the Organization of Students of African Descent, *Organization de Estudiantes Latino-Americanos*, Hui-o-Aloha, and Intertribal Native Council.
- Services provided for **nontraditional students** (new or returning students who are not attending BSU directly from high school). include student support groups, a newsletter, a mentoring program, and workshops. Referrals are also made to campus or community organizations offering specialized services of benefit to nontraditional students.

Student Support Program The Student Support Program provides individualized counseling and tutoring services to students who are low-income or first-generation college students, or who have a documented disability. The counseling assists students with their academic, career, financial, and personal needs. Qualified tutors provide one-to-one tutoring or small-group instruction in various academic areas. The Student Support Program is located in the Teacher Education Annex, Building C-2200, 208 385-3583.

Veterans Services The Veterans Services Office, located in the Administration Building, Room 111, 208 385-3744, provides counseling assistance to all of Idaho's armed forces veterans, reservists, and National Guard members, as well as to their dependents. Peer counselors assist student veterans with admission requirements, Veterans Administration educational benefits, reserve educational programs, individual educational goals, and family and personal difficulties. Tutorial and work-study programs for veterans are also coordinated through the Veterans Services Office.

Women's Center The Women's Center, located at the corner of University Drive and Michigan, 208 385-4259, provides support services and resources to enhance the quality of student life and to promote academic success. Services include support groups, workshops, brown-bag lunches, a child care co-op, a mentoring program, a resource lending library, and information referrals. In addition, the center develops and promotes educational programming about the contributions, achievements, and concerns of women.



Chapter 10—Continuing Education

Continuing Education

This chapter describes the services and programs provided by the Division of Continuing Education, which uses broadcast technology and several off-campus locations to serve students throughout the state of Idaho. The Division of Continuing Education also administers international programs, weekend university, and the summer session. In addition to credit courses, continuing education offers a variety of noncredit seminars, short courses, and workshops designed to meet the educational needs of school districts, business, industry, and government.

Summer Session

Academic programs, courses, and services are offered during the summer, including graduate, undergraduate, and noncredit courses in two 5-week sessions, an 8-week session, and a 10-week session. A variety of workshops is also offered each summer. The *BSU Summer Bulletin* is available to students each April. For more information, call 208 385-1709.

Weekend University

A large selection of academic classes is offered on campus on Friday evenings and in two time blocks on Saturday, to allow students more flexibility in scheduling. Courses are taught by BSU faculty and BSU adjunct faculty. For more information, call 208 385-1709.

Evening Programs

The Division of Continuing Education coordinates the evening program on the BSU campus. Evening courses are offered at several different time blocks throughout the campus. Every college and most academic departments offer evening sections. Approximately 4,000 students attend BSU during the evening hours. Courses are taught by full-time BSU faculty and approved adjunct faculty.

Off-Campus Centers

At several locations in southwest Idaho, the Division of Continuing Education offers a wide range of academic courses, primarily in the evening. Required courses for the associate degree in social science are offered at all sites. Advising, registration, book sales, and library services are available at most off-campus centers, and many locations serve as receiving sites for Knowledge Network, a series of interactive, televised classes broadcast from the Boise campus. The off-campus locations are:

BSU Canyon County Campus
2407 Caldwell Boulevard, Nampa ID 83651
208 467-5707 or 208 385-4704

Capital High School
8055 Goddard Road, Boise ID 83704
208 385-1709

Southwest Boise Campus/Gowen Field
208 389-5884 or 208 385-3293

McCall
Office: Village Square
McCall/Donnelly High School
208 634-3957 or 208 385-1709

Mountain Home Air Force Base
208 828-6746 or 208 385-1709

Twin Falls
Taylor Administration Building
College of Southern Idaho Campus
208 733-9554, extension 2284

Telecommunications

BSU is able to increase off-campus programs through the Knowledge Network, telecourses, and computer conferencing. Each is described below.

Knowledge Network

Using one-way video and two-way audio, BSU faculty broadcast live, interactive classes to such receiving locations as the BSU Canyon County Campus, Mountain Home AFB, the Ada Community Library, and several hospitals and corporations in the Treasure Valley. At these locations, students view the broadcast on monitors and talk with the on-campus class through a phone line. For more information, call 208 385-1709.

Telecourses (Idaho Educational Public Television KAID-TV)

Each semester, BSU students have the opportunity to earn university credits at home through a mix of televised lectures and textbook readings. Some telecourses satisfy BSU core requirements, while others satisfy requirements for elective credits. Letter-graded, core courses usually require some on-campus attendance. For more information, call 208 385-1709. See also Chapter 11, "Obtaining a Degree at BSU."

Computer Conferencing

Instruction using computers and modems allows students throughout Idaho and the United States to participate in BSU courses. Undergraduate classes are available, as are classes leading to a master's degree in instructional and performance technology. For more information, call 208 385-1709.

Correspondence Study

In the Boise area, the Division of Continuing Education is the point of contact for the statewide correspondence study program. The correspondence study program is administered by the statewide Correspondence Study Office, located at the University of Idaho. Informational materials are distributed and tests are proctored through the BSU Division of Continuing Education. Courses are developed and graded by approved faculty at Boise State University, Lewis-Clark State College, Idaho State University, and the University of Idaho. For more information, call 208 385-3293. See also Chapter 11, "Obtaining a Degree at BSU."

Prior Learning Portfolio Program

It is possible to receive credit for prior learning experiences (often referred to as "experiential learning") by developing a formal, professional portfolio documenting the knowledge you have gained outside the classroom. Developed with the assistance of the prior learning advisor, the portfolio describes the knowledge gained through work and other experience and shows the relationship that knowledge has to college-level learning. The academic department in which you are seeking credit assesses the portfolio and determines whether or not to grant the credit. Each department has the option of participating in the portfolio process. The Division of Continuing Education offers a 6-week, 1-credit workshop that assists students in exploring prior learning options. For more information, call 208 385-3492. See also Chapter 11, "Obtaining a Degree at BSU."

International Programs/Studies Abroad

Academic travel opportunities to a variety of countries are available through International Programs/Studies Abroad programs administered by the Division of Continuing Education. Students and faculty may spend a semester or an academic year in Germany, Spain, France, Italy, England, Japan, Canada, Mexico, Chile, Thailand, and Australia. Summer campuses are located in Spain, France, Italy, England, Mexico, Costa Rica, and Canada. Staying in local homes or in apartments with international students, studying a balanced

curriculum, and making frequent field trips creates a rich cultural and academic experience for BSU students, who receive BSU credit for studies in these programs. In addition, several short-term study tours to locations in Europe, the United States, and Asia are offered at various times of the year. For more information about Studies Abroad, call 208 385-3652. For more information about study tours, call 208 385-3295.

Asia University America Program (AUAP)

The Division of Continuing Education administers an exchange program with Asia University in Tokyo, Japan. Each year over 120 Japanese college students attend BSU for five and one-half months, living on campus, attending English classes, and learning about American culture.

National Student Exchange Program

Involving over 100 colleges and universities, the National Student Exchange Program enables students to spend up to one year attending one of the host institutions located in the United States, Puerto Rico, the Virgin Islands, and Guam. While attending the host institution, students may pay either the current BSU fees or in-state tuition at the host school. Credits and grades earned at the host institution are recorded at the home campus as part of the student's regular transcript. To be eligible, a student must be enrolled full-time at BSU, have sophomore or junior standing during the exchange, and have a minimum grade-point average of 2.5. Additional information and application materials may be obtained from the National Student Exchange Office, Student Union, 208 385-1280.

In-Service Program for Teachers

Working closely with local school districts, the Idaho State Department of Education, and the BSU College of Education, the In-Service Program enables teachers to earn credits required for recertification and salary advances. For more information, call 208 385-3191.

Certificate Programs

The Division of Continuing Education offers certificates of completion in several credit and noncredit programs. The following are currently available:

Addictions Counselor Training Program

Individuals interested in working in drug and alcohol addiction counseling may participate in this program for either academic credit or Continuing Education Units (CEUs). In association with the Idaho Alcohol and Drug Counselor Education Project, the Addictions Counselor Training Program is designed to assist students in meeting the educational requirements for becoming certified chemical dependency technicians and credentialed drug and alcohol counselors. For more information, call 208 385-1709.

Dispute Resolution Certificate Program

The Dispute Resolution Certificate Program is designed to fulfill the education requirement for Idaho certified mediators. The program is described in Chapter 13, "Academic Departments and Courses ." For more information, call Suzanne McCorkle at 208 385-1368 or call the Division of Continuing Education at 208 385-1709.

Graduate Preparation Courses

Assisting students to prepare for graduate admission exams is the focus of two short courses offered twice yearly by the Division of Continuing Education, 208 385-3492. The noncredit courses cover the Graduate Record Exam (GRE) and the Graduate Management Admissions Test (GMAT).

Corporate Relations Program

Established in response to the needs of local corporations, the Corporate Relations Program provides a variety of services for local corporations, including educational programming, on-site registration, on-site courses, and assistance with billing procedures. For more information, call 208 385-1689.

Continuing Education Units (CEUs)

A Continuing Education Unit (CEU) is a nationally standardized unit documenting participation in noncredit programs, courses, or workshops. The Division of Continuing Education approves and transcribes CEUs, which can be provided to employers as verification that you have completed a course in which CEUs were granted. CEUs cannot be converted to academic credit. For more information, call 208 385-3492.

? Questions About Continuing Education?

If you have questions, contact Continuing Education, Library West Entrance, L 104, 208 385-1709.

Chapter 11—Obtaining a Degree at BSU

Table 11.1 lists the types of degrees and certificates offered at Boise State University. Table 12.1 lists the degrees, majors, minors, certificates, and transfer programs offered at Boise State University, arranged by the program of study in which the degree, major, minor, certificate, or transfer program is available.

Table 11.1 Types of Degrees and Certificates Offered at BSU

Code	Description	Code	Description
A.A.	Associate of Arts	M.B.A.	Master of Business Administration
A.A.S.	Associate of Applied Science	M.F.A.	Master of Fine Arts
A.S.	Associate of Science	M.H.S.	Master of Health Science
A.T.C.	Advanced Technical Certificate (Applied Technology)	M.M.	Master of Music
B.A.	Bachelor of Arts	M.P.A.	Master of Public Administration
B.A.S.	Bachelor of Applied Science	M.P.E.	Master of Physical Education
B.B.A.	Bachelor of Business Administration	M.S.	Master of Science
B.F.A.	Bachelor of Fine Arts	M.S.W.	Master of Social Work
B.M.	Bachelor of Music	Ed.D.	Doctor of Education
B.S.	Bachelor of Science	P.V.C.	Postsecondary Vocational Certificate (Applied Technology)
M.A.	Master of Arts	T.C.	Technical Certificate (Applied Technology)

Undergraduate degrees available at BSU fall into one of two categories: *associate degrees* and *baccalaureate degrees* (also known as *bachelor degrees*). Both degrees are academic titles granted to students who have completed a specific course of study; that particular course of study constitutes a *major* (for example, accounting, biology, or English). Depending on the major you choose, you will receive one of the many degrees offered by BSU. For instance, if you major in biology, you will receive a bachelor of science degree. If you major in English, you will receive a bachelor of arts degree. If you major in business systems and computer repair, you will receive an associate of applied science degree.

Traditionally, obtaining a baccalaureate degree has required four years or more of full-time study, while obtaining an associate degree has usually required two or more years of full-time study.

This chapter defines the minimum credit requirements for each degree available at BSU, as well as general policies applying to all degrees. After reading this chapter, you should turn to Chapter 13, "Academic Departments and Courses," where you will find additional requirements you must meet in order to obtain a degree. These additional requirements (known as *major requirements*) are specified by the department or interdisciplinary program responsible for the degree you wish to obtain. From time to time, as your academic work progresses, review this chapter and other relevant sections of the catalog to verify that you are making satisfactory progress toward your academic goals and that you are meeting all the requirements for the degree you seek.

In addition to the information contained in this catalog, you can receive information and assistance from your academic advisor. If you register for eight or more credits in a semester, you **must** obtain your advisor's approval and signature on the advising/registration form. Use this opportunity to consult your advisor about your academic goals and your plans for achieving them. If you have selected a major, you will work with an advisor in the academic department responsible for your major. If you have not selected a major, you will work with an advisor from the Academic Advising Center, Math/Geosciences Building, Room 105, 208 385-3664.

General Degree Requirements

To obtain an **associate degree**, you must successfully complete the number of credits specified for that degree (see "Credit Requirements for Various Degrees," below). You must take your final 15 credits at BSU. In addition, you must:

- meet the English Composition Requirement (except for some majors)
- attain a grade-point average (GPA) of 2.0 or higher
- complete all other requirements specified by the program or department offering the degree
- apply for graduation

To obtain a **baccalaureate degree**, you must complete a minimum of 128 credits. Of those 128 credits, at least 40 must be in upper-division courses (courses numbered 300 or higher). You must take your final 30 credits at BSU. In addition, you must:

- meet the English Composition Requirement (defined below)
- complete a specified number of *core courses* (defined below), receiving a grade of C or higher in each course
- attain a grade-point average (GPA) of 2.0 or higher and meet any other grade requirements stipulated for your major
- attain a grade of C or higher in all upper-division courses required by your major
- complete all major requirements specified by the program or department offering the degree
- apply for graduation

English Composition Requirement

Because the ability to read, write, and think critically are characteristics of an educated person, Boise State University requires students to demonstrate proficiency in English. All students seeking a baccalaureate degree—and, with a few exceptions, those seeking an associate degree—must either complete a certain number of credits in English composition or demonstrate English proficiency in one of the other ways described below.

The English Composition Requirement is administered by the Writing Program Office within the English Department. Call the Writing Program Office at 208 385-1423 if you have questions about the requirements or procedures described below.

How to Meet the English Composition Course Requirement

In order to satisfy the English Composition Requirement, you must successfully complete with a grade of C or higher one of the following sequences:

- E 101 and E 102, English Composition
- E 111 and E 112, Honors Composition

You may also need to take E 010 Developmental Writing, if your placement score so indicates. You may wish to take E 010 if you feel that your previous writing experience has been inadequate, even if your placement score indicates that you are eligible to take E 101.

NOTE: E 010 carries no academic credit, but is equivalent to 3 credits for purposes of computing fees and determining eligibility for financial aid.

The course sequence you take depends on your score on the English portion of the ACT or SAT, as indicated in Table 11.2, below.

Table 11.2
Course Placement or Sequence for Meeting the English Composition Course Requirement

ACT/SAT Exam Score	Placement or Sequence
80th through 99th percentile **Tested prior to 4/95** SAT 530 to 800; ACT 25 to 36 **Tested after 4/95** SAT 600 to 800; ACT 25 to 36	Take E 111 and E 112 or Waive E 101 and take E 102 or Take E 101 and E 102
20th through 79th percentile **Tested prior to 4/95** SAT 335 to 529; ACT 15 to 24 **Tested after 4/95** SAT 420 to 599; ACT 15 to 24	Take E 101 and E 102
1st through 19th percentile **Tested prior to 4/95** SAT 1 to 334; ACT 1 to 14 **Tested after 4/95** SAT 1 to 419; ACT 1 to 14	Take E 010, then E 101 and E 102

If you do not have ACT or SAT scores, you must take a Computerized Placement Test (CPT); see the *Directory of Classes* for details on the administration of this test. Table 11.3, below, shows how you will be placed if you must take the CPT.

NOTE: Since ACT/SAT scores take priority, do *not* take the CPT if you already have ACT or SAT scores. Also, if you *know* you want to start in E 010, you do not need to take the CPT.

Table 11.3
Placement or Sequence Following the Computerized Placement Test (CPT)

CPT Score	Placement or Sequence
90th through 99th percentile	Challenge E 101 or Take E 101 **THE CPT CANNOT WAIVE E 101**
20th through 89th percentile	Take E 101 and E 102
1st through 19th percentile	Take E 010, then E 101 and E 102

International Students If English is not your native language, you must take the **Michigan Exam** instead of the CPT to determine what courses you should take; see the *Directory of Classes* for details.

Challenge Exams If you have a great deal of writing experience, you may be able to challenge E 101. You may *not* challenge E 102, E 111 or E 112. You should consider challenging E 101 only if you are very confident of your writing skills. Contact the Writing Program Office at 208 385-1423 for details on the challenge procedure. See also "Course Challenge," on page 48.

Retroactive Credit for E 101 If you waive E 101 on the basis of high ACT/SAT scores, you then pass E 102 with an A, you may be able to receive credit for E 101. The English Writing Program Director will determine whether to award you this credit.

If you waive E 101 and receive a B in E 102, you may be able to challenge E 101 to receive the credit. The English Writing Program Director will determine whether you are eligible to sign up for the challenge.

Keep in mind that when you waive E 101 and pass E 102 you have met the English Composition core requirement, but you still need 128 credits to graduate.

Transfer Students If you have transferred English composition courses from another institution to BSU, the Registrar's Office will determine whether your courses satisfy all or part of the English Composition Course Requirement. If your courses do not transfer as equivalent to E 101 (and/or E 102), you may wish to consider taking the E 101 challenge exam. For more information about this challenge, call the English Writing Program office at 208 385-4209.

Core Requirements

To provide students with a broad educational foundation across many fields of study, Boise State University has developed a selection of courses known as *core courses*. As Figure 11.1. shows, core courses form part of the base of your course work in pursuit of a **baccalaureate degree** . (Core requirements do not apply to the associate degree.) In most instances, you build upon that base by taking classes in your *major* (a primary field of study, such as accounting or philosophy) and by taking *elective courses* (courses that fall outside the general university requirements or the requirements of your major). Together, core courses, courses taken to satisfy major requirements, and elective courses provide you with the type and number of credits necessary to obtain a degree.

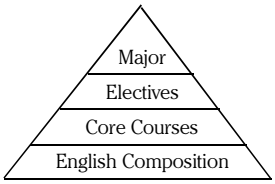


Figure 11-1
Courses Making Up a Baccalaureate Degree at BSU

Because they serve as a foundation for the specialized work you will do in your major, core courses are extremely important. Carefully selected core courses can enhance your understanding of your chosen major and can contribute substantially to the broad, well-rounded education that a baccalaureate degree represents. Moreover, core courses develop your knowledge of fields of study beyond your chosen major, encourage you to view ideas from a variety of perspectives, and assist you in learning about the relationships among different fields of study. Therefore, you should work carefully with your advisor to select core courses, and you should devote to core courses the same amount of time and effort as you devote to your other courses.

NOTE: Core courses deemed crucial to a particular discipline are often incorporated into the major requirements within that discipline. For example, the mathematics department requires its majors to take M 204 and M 205 Calculus and Analytic Geometry I and II—courses that also satisfy Area III core requirements. If you carefully compare the core requirements with the requirements for your major, you may find that certain core courses will count toward both requirements.

Tables 11.4, 11.5, and 11.6 list the approved core courses offered at BSU. Core courses are divided into the following areas:

- Area I, Arts and Humanities
- Area II, Social Sciences
- Area III, Natural Sciences/Mathematics

Each area is further divided into courses offered in various fields of study. For example, Area I includes art, music, and philosophy among its fields of study. Each degree requires that you complete a certain number of core courses; in addition, each degree specifies the distribution of those core courses among Area I, Area II, and Area III. The following section, "Credit Requirements for Various Degrees," defines the credit requirements for various types of degrees, including the core requirements associated with each degree.

The course numbers in brackets [ ] are the State Board of Education approved common core numbers for the general education core and will be used in the future.

If you are a transfer student, you may be exempt from the core requirements defined here. For more information, see "Transferring Credits to BSU," on page 47.

Table 11.4
Approved Area I Arts and Humanities Core Courses at BSU

AR - Art
- AR 103 Introduction to Art [ART 100]
- AR 105, 106 Basic Design
- AR 201, 202 Survey of Western Art [ART 101, 102]

BQ - Basque
- BQ 201, 202 Intermediate Basque

E - English
- E 215 Far Eastern Literature in Translation
- E 230 Western World Literature [ENGL 257]
- E 235 Western World Literature [ENGL 258]
- E 240 Survey of British Literature to 1790 [ENGL 267]
- E 260 Survey of British Literature: 1790 to Present [ENGL 268]
- E 271 Survey of American Literature: Beginning to Civil War [ENGL 277]
- E 272 Survey of American Literature: Civil War to Present [ENGL 278]

F - French
- F 201, 202 Intermediate French [FREN 201, 202]

G - German
- G 201, 202 Intermediate German [GERM 201, 202]

HU - Humanities
- HU 207, 208 Introduction to Humanities

JP - Japanese
- JP 201, 202 Intermediate Japanese [JAPN 201, 202]

MU - Music
- MU 133 Introduction to Music [MUS 100]
- MU 143 Survey of Western Art Music [MUS 101]

PY - Philosophy
- PY 101 Introduction to Philosophy [PHIL 101]
- PY 221 Introduction to Logic [PHIL 201]

R - Russian
- R 201, 202 Intermediate Russian [RUSS 201, 202]

S - Spanish
- S 201, 202 Intermediate Spanish [SPAN 201, 202]

TA - Theatre Arts
- TA 107 Introduction to Theatre [THEA 101]

Table 11.5
Approved Area II Social Sciences Core Courses at BSU

AN - Anthropology
- AN 101 Physical Anthropology [ANTH 101]
- AN 102 Cultural Anthropology [ANTH 102]
- AN 103 Introduction to Archeology

CM - Communications
- CM 111 Fundamentals of Speech Communication [COMM 101]
- CM 112 Reasoned Discourse

EC - Economics
- EC 205 Principles of Microeconomics [ECON 202]
- EC 206 Principles of Macroeconomics [ECON 201]

If you earn credit in EC 205 or EC 206, you cannot receive credit for EC 210.

GG - Geography
- GG 101 Introduction to Geography [GEOG 100]
- GG 102 Cultural Geography [GEOG 102]

— continued —

Approved Area II Social Sciences Core Courses at BSU (continued)

HY - History
- HY 101, 102 History of Western Civilization [HIST 101, 102]
- HY 201, 202 Problems in Western Civilization
- HY 105 Eastern Civilizations
- HY 151, 152 U.S. History [HIST 111, 112]
- HY 251, 252 Problems in U.S. History

If you have received credit in HY 101 and HY 102, you cannot take HY 201 or HY 202. Likewise, if you have received credit for HY 251 or HY 252, you cannot take HY 151 or HY 152.

PO - Political Science
- PO 101 American National Government [POLS 101]
- PO 141 Contemporary Political Ideologies
- PO 231 International Relations

P - Psychology
- P 101 General Psychology [PSYC 101]

SO - Sociology
- SO 101 Introduction to Sociology [SOC 101]
- SO 102 Social Problems [SOC 102]
- SO 230 Introduction to Multiethnic Studies

SW - Social Work
- SW 200 Introduction to Social Welfare

TE - Teacher Education
- TE 201 Foundations of Education

Table 11.6
Approved Area III Natural Science and Mathematics Core Courses at BSU

Biological Sciences
- B - Biology
- B 100 Concepts of Biology [BIOL 100]

BT - Botany
- BT 130 General Botany [BIOL 203]

Z - Zoology
- Z 111, 112 Human Anatomy and Physiology [BIOL 227, 228]
- Z 230 General Zoology [BIOL 202]

C - Chemistry
- C 100 Concepts of Chemistry [CHEM 100]
- C 107 Essentials of Chemistry [CHEM 101]
- C 108 Laboratory for C 107 [CHEM 101]
- C 109 Essentials of Chemistry [CHEM 102]
- C 110 Laboratory for C 109 [CHEM 102]
- C 131 College Chemistry [CHEM 111]
- C 132 Laboratory for C 131 [CHEM 111]
- C 133 College Chemistry [CHEM 112]
- C 134 Laboratory for C 131 [CHEM 112]

With the exception of C 100, Concepts of Chemistry, all chemistry lecture courses (C 107, C 109, C 131, and C 133) have a corresponding laboratory course. You must enroll in both the lecture and the laboratory course at the same time. For instance, if you take C 107, Essentials of Chemistry, you must also take C 108, Laboratory for Essentials of Chemistry.

If you receive credit for C 109, Essentials of Chemistry or C 133, College Chemistry, you cannot count C 100, Concepts of Chemistry, toward the core requirements.

EN - Engineering
- EN 100 Energy for Society

GO - Geology
- GO 100 Fund of Geology [GEOL 100]
- GO 101 Physical Geology GEOL 101]
- GO 103 Historical Geology [GEOL 102]

If you have earned credits in a geology course other than GO 100, Fundamentals of Geology, you cannot enroll in GO 100. In addition, you cannot enroll in GO 100 if you are an earth science major planning to take an 8-hour sequence in geology or a nonscience major planning to take an 8-hour sequence in geology.

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Approved Area III Natural Science & Mathematics Core Courses at BSU (continued)
M - Mathematics M 100 Mathematics for Liberal Arts Students [MATH 124] M 105, 106 Mathematics for Business Decisions [MATH 130, 160] M 111 Algebra and Trigonometry [MATH 147] M 204, 205 Calculus and Analytic Geometry [MATH 170, 175]
PS - Physical Science PS 100 Foundations of Physical Science [PHYS 100]
PH - Physics PH 101, 102 General Physics [PHYS 111, 112] PH 105 Introduction to Descriptive Astronomy PH 211 Mechanics, Wave and Heat [PHYS 211] PH 212 Mechanics, Wave, Heat Lab [PHYS 211] PH 213 Electricity, Magnetism and Optics [PHYS 212] PH 214 Electricity, Magnetism and Optics Lab [PHYS 212]

Course Prerequisite

A *prerequisite* is a course (or courses) that you must have successfully completed before you can enroll in another course. For instance, before you can enroll in S 102 Elementary Spanish, you must first have completed S 101 Elementary Spanish. If a course has a prerequisite, the prerequisite is listed in Chapter 13, "Academic Departments and Courses" or in the *BSU Directory of Classes*.

Students must complete prerequisites listed in the catalog descriptions or Directory of Classes with a grade of "C" or higher prior to enrolling in the course. Requests to waive certain course prerequisites may be approved by the department offering the course. Requests must be justified on the basis of background, education, or experience.

Admission to Upper Division

To enroll in upper-division courses (those numbered 300 to 499), you must have completed all course prerequisites and have met all other requirements of your department or college. In most instances, you must also have attained junior standing. If you are a sophomore, you may enroll in upper-division courses with the permission of the department, provided that you have completed all course prerequisites. Some academic programs require students to be formally admitted to the major before they may enroll in upper-division courses. To determine if this policy applies to your major, consult the requirements specified for your major in Chapter 13, "Academic Departments and Courses."

Credit Requirements for Various Degrees

Tables 11.7 through 11.15 define the minimum credit requirements for each degree offered at Boise State University.

Table 11.7
Minimum Credit Requirements for the Bachelor of Arts Degree (B.A.)

Content	Notes	Credits
E 101-102	English Composition See "How to Meet the English Composition Requirement" (above).	6
Area I	Area I core course in literature Area I core course in a second field Area I core course in a third field Area I core course in any field	3 3 3 3
Area II	Area II core course in history Area II core course in a second field Area II core course in a third field Area II core course in any field	3 3 3 3

— continued —

Bachelor of Arts Degree (continued)		
Area III	Area III core course in one field Area III core course in a second field Area III core course in any field	4 4 4
Area I or II Electives	These courses do not have to be selected from the approved core list, but are to be chosen from anthropology, art, communication, economics, foreign language, geography, history, humanities, literature, music, philosophy, political science, psychology, social work, sociology, teacher education, and theatre arts.	9
Major	See the requirements for your major in Chapter 13, "Academic Departments and Courses."	

Table 11.8
Minimum Credit Requirements for the Bachelor of Science Degree (B.S.)

Content	Notes	Credits
E 101-102	English Composition See "How to Meet the English Composition Requirement" (above).	6
Area I	Area I core course in one field Area I core course in a second field Area I core course in a third field Area I core course in any field	3 3 3 3
Area II	Area II core course in one field Area II core course in a second field Area II core course in a third field Area II core course in any field	3 3 3 3
Area III	Area III core course in one field Area III core course in a second field Area III core course in any field	4 4 4
Area II or III Electives	These courses do not have to be selected from the approved core list, but are to be chosen from anthropology, biology, chemistry, communication, economics, engineering, geography, geology, history, mathematics, physical science, physics, political science, psychology, social work, sociology, and teacher education.	9
Major	See the requirements for your major in Chapter 13, "Academic Departments and Courses."	

Table 11.9
Minimum Credit Requirements for the Bachelor of Business Administration Degree (B.B.A.)

Content	Notes	Credits
E 101-102	English Composition See "How to Meet the English Composition Requirement" (above).	6
Area I	Area I core courses	6
Area II	EC 205 Principles of Microeconomics EC 206 Principles of Macroeconomics Area II core course in a second field Area II core course in any field except economics	3 3 3 3
Area III	Area III core course (M 105 or M 111) Area III core course (M 106 or M 204) Area III core course in a lab science	4 4 4

— continued —

Bachelor of Business Administration Degree (continued)		
Nonbusiness Electives	Must include courses in at least two of the three following disciplines: **Arts and Humanities** (art, foreign language, humanities, literature, music, philosophy, theatre arts) **Social Sciences** (anthropology, communication, geography, history, political science, psychology, social work, sociology, teacher education) **Natural Sciences and Mathematics** (biological sciences, physical sciences, mathematics)	16-19
	No more than 3 credits may be in fitness activity courses. Telecourses are excluded. Accounting majors must earn 19 credits; all other majors, 16 credits.	
Major	See the requirements for your major in Chapter 13, "Academic Departments and Courses."	

Table 11.10
Minimum Credit Requirements for the Bachelor of Fine Arts Degree (B.F.A.)

Content	Notes	Credits
E 101-102	English Composition See "How to Meet the English Composition Requirement" (above).	6
Area I	Area I core course in literature Area I core course chosen from HU 207, 208 Introduction to Humanities; MU 133 Introduction to Music; PY 101 Introduction to Philosophy; PY 211 Ethics; TA 107 Introduction to Theatre; or a 201-202 foreign language.	6 3
Area II	Area II core course in history Area II core course in a second field Area II core course in any field	3 3 3
Area III	Area III core courses	8
Major	See the requirements for your major in Chapter 13, "Academic Departments and Courses."	
To pursue a B.F.A. degree, you must obtain your advisor's approval during your junior year. You must also maintain a 3.0 grade-point average in your core courses and in your art courses.		

Table 11.11
Minimum Credit Requirements for the Bachelor of Music Degree (B.M.)

Content	Notes	Credits
E 101-102	English Composition See "How to Meet the English Composition Requirement" (above).	3 or 6
Area I	Area I core course in literature Area I core course in a second field Area I core course in any field	3 3 3
Area II	Area II core course in history Area II core course in a second field Area II core course in any field	3 3 3
Area III	**Option A:** A 2-semester sequence in a single foreign language. **Option B:** Area III core courses	8
Major	See the requirement for your major in Chapter 13, "Academic Departments and Courses."	
To meet the Area III requirements, performance majors and theory/composition majors must select Option A. Music education majors must select either Option A or B.		

Table 11.12
Minimum Credit Requirements for the Bachelor of Applied Science Degree (B.A.S.)

Content	Notes	Credits
E 101-102	English Composition See "How to Meet the English Composition Requirement" (above).	6
Area I	Area I core course in a first field Area I core course in a second field Area I core course in a third field Area I core course in any field	3 3 3 3
Area II	Area II core course in a first field Area II core course in a second field Area II core course in a third field Area II core course in any field	3 3 3 3
Area III	Area III core course in a first field Area III core course in a second field Area III core course in a third field	4 4 4
Area II **and** III Electives	Upper-division courses in **both** of the following disciplines: **social sciences** (anthropology, communication, economics, geography, history, political science, psychology, social work, sociology, teacher education) and either **natural sciences or mathematics** (biological sciences, chemistry, engineering, mathematics, physical science, physics).	10
Electives	Upper-division courses to total 22 credits	12
Technical Education Program	40-42 credits in technical education courses, 10-12 credits in technical support courses, and 12 in general education courses. If you use core courses to meet the requirement of the technical education program, you cannot use those courses to meet the university's core requirements (rows 1, 2, 3, 4, and 5 above).	64
To be admitted to the program leading to a B.A.S., you must be a graduate of a technical program meeting Idaho standards for the A.A.S. degree. Furthermore, the technical program must be accredited by a regional accrediting body recognized by the Council of Postsecondary Education. Exceptions to these policies must be reviewed by the dean of the Larry G. Selland College of Applied Technology.		

Table 11.13
Minimum Credit Requirements for the Associate of Arts, General Degree

Content	Notes	Credits
E 101-102	English Composition See "How to Meet the English Composition Requirement" (above).	6
Area I	Area I core course in literature Area I core course in a second field Area I core course in a third field Area I core course in any field	3 3 3 3
Area II	Area II core course in history Area II core course in communication Area II core course in a third field Area II core course in any field	3 3 3 3
Area III	Area III core course in mathematics Area III core course in a second field Area III core course in any field	4 4 4
Area I or II Electives	These courses do not have to be selected from the approved core list, but are to be chosen from anthropology, art, communication, economics, foreign language, geography, history, humanities, literature, music, philosophy, political science, psychology, social work, sociology, teacher education, and theatre arts.	9
Electives	Electives to total 64 credits	13
This program does comply with the Idaho Statewide Articulation Policy.		

Table 11.14
Minimum Credit Requirements for the Associate of Science, General Degree*

Content	Notes	Credits
E 101-102	English Composition See "How to Meet the English Composition Requirement" (above).	6
Area I	Area I core course in one field Area I core course in a second field Area I core course in a third field Area I core course in any field	3 3 3 3
Area II	Area II core course in communication Area II core course in a second field Area II core course in a third field Area II core course in any field	3 3 3 3
Area III	Area III core course in mathematics Area III core course in a second field Area III core course in any field	4 4 4
Area II or III Electives	These courses do not have to be selected from the approved core list, but are to be chosen from anthropology, biology, chemistry, communication, economics, engineering, geography, geology, history, mathematics, physical science, physics, political science,psychology, social work, sociology, and teacher education.	9
Electives	Electives to total 64 credits	13

This program does comply with the Idaho Statewide Articulation Policy. The A.S. degrees awarded in criminal justice administration, nursing, health information technology, respiratory therapy, and radiologic sciences do not meet the university core requirements and do not comply with the Idaho Statewide Articulation Policy.

Table 11.15
Minimum Credit Requirements for the Associate of Arts Degree (A.A., Social Science)

Content	Notes	Credits
E 101-102	English Composition See "How to Meet the English Composition Requirement" (above).	6
Area I	Area I core course in literature Area I core course in a second field Area I core course in a third field Area I core course in any field	3 3 3 3
Area II	Area II core course in history Area II core course in a second field Area II core course in a third field Area II core course in any field	3 3 3 3
Area III	Area III core courses 12 credits are recommended	8
Major Requirements	Social Science These courses are in addition to those listed under Area II and should include a fourth field. SO 210 Computer Applications in Social Sciences is highly recommended.	12
Electives	Electives to total 64 credits	14 to 17

This program, leading to the A.A. degree, offers a curriculum focused on general education courses. Students completing the program will have met all core requirements, with the possible exception of one Area III course. This program does not comply with the Idaho Statewide Articulation Policy.

Table 11.16
Minimum Credit Requirements for the Associate of Applied Science Degree (A.A.S.)

Content	Notes	Credits
Technical Education Courses	Credits or equivalent clock hours must be in program elements that contain instruction directly related to a specific technical area (that is, skills and knowledge that a person must possess to function effectively as a technician). Course content is determined through task analysis of the occupation for which the training is provided, with occasional assistance from local advisory committees. You must have a minimum grade of 'C' in technical education requirements.	40 to 42
Technical Support Courses	Credits or equivalent clock hours must be in program elements that support and relate to the technical content of the program. Technical support courses provide instruction in the basic tasks needed for a person to function at an acceptable level in a technical field. You must have a minimum grade of 'C' in technical support requirements.	10 to 12
General Education	6 credits in communication skills. 6 credits in economics, industrial relations, or human relations (or some combination of the three). You must have a minimum grade point average of 2.0 in all General Education course work.	12
Major	See Chapter 14, "Applied Technology Programs."	

Your last 15 credits must be taken at BSU during regular academic sessions; of those 15 credits, at least 6 must be in technical course work required by your major. Students in apprenticeship programs and the fire service technology program are exempt from these requirements.

Table 11.17
Advanced Technical Certificate (A.T.C.)

Content	Notes	Credits
Technical and Technical Support Courses	A credential awarded for completion of requirements entailing more than one academic year of full-time work. Credits must be in program element that contain instruction directly related to a specific technical area. Course content is determined through task analysis of the occupation for which the training is provided, with occasional assistant from local advisory committees. A minimum of a 'C' grade in the technical education course work is required. You must have a minimum grade point average of 2.0 in all General Education course work.	52
Major	See Chapter 14, "Applied Technology Programs."	

Table 11.18
Technical Certificate (T.C.)

Content	Notes	Credits
Technical and Technical Support Courses	A credential awarded for completion of requirements entailing at least one year but normally less than two years of full-time work. Credits or equivalent clock hours must be in program element that contain instruction directly related to a specific technical area. Course content is determined through task analysis of the occupation for which the training is provided, with occasional assistant from local advisory committees. A minimum of a 'C' grade in the technical education course work is required. You must have a minimum grade point average of 2.0 in all General Education course work.	32
Major	See Chapter 14, "Applied Technology Programs."	

How to Read a Degree-Requirements Table

NOTE: The following information is provided as a supplement to the general degree requirements specified above and in Tables 11.7 through 11.15.

One of the most important purposes of this catalog is to tell you what requirements you must meet to earn a particular degree at Boise State University. To learn about these requirements, you will need to read carefully two parts of this catalog:

- This chapter, "Obtaining a Degree at B S U," explains the general requirements for all undergraduate degrees.
- The section of the catalog devoted to the department or other academic unit that offers the degree you are interested in obtaining. That section explains the specific requirements for the degree. You will find the section relevant to your degree in either Chapter 13, "Academic Departments and Courses," or Chapter 14, "Applied Technology Programs."

As you plan your academic career, you should be able to use your degree's table as a checklist, though other useful information may be available from the department offering your major. In addition, your advisor can assist you in creating a schedule for your academic work. Ideally, that schedule will enable you to meet all the requirements shown in the degree-requirements table, and to do so in a logical, coherent sequence that takes into account your particular circumstances.

Figure 11.2., is a typical degree-requirements table. You should carefully review this table and the explanations of its elements before you begin planning how you will meet the requirements for your degree. And, as mentioned above, you should consult with your advisor and with other faculty members within the department offering your major.

The English Composition Requirements are described in detail on pages 40.

Area II core requirements are explained on page 41. The degree in our example requires a specific Area II course, which fulfills the Area II and major requirement.

In each table, core requirements are followed by the additional specific courses required for the major, grouped by course prefix. Usually, each box will contain either a group of courses (which are all required), or else a list of courses from which you must choose one or more.

All baccalaureate degrees require at least 40 credit hours of upper division courses. Some majors fulfill this automatically, but this major does not. Thus, you may need to take additional upper division courses chosen from any discipline.

History
Bachelor of Arts

Course Number and Title	Credits
E 101-102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
PO 101 American National Government	3
Area II core course in history	3
Area II core course in a second field	3
Area II core course in any field, except history	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
Area I and II courses	9
HY 101/201 History of Western Civilization	3
HY 102/202 History of Western Civilization	3
HY 105 Eastern Civilizations	3
HY 151/251 U.S. History	3
HY 152/252 U.S. History	3
*HY 210 Introduction to the Study of History *Must be completed with a grade of 'C' or better	3
One year of college-level foreign language in sequence Language equivalency required by the history department will be determined by the department of modern languages or the classical language program director.	8
History Seminar	3
Upper-division history major emphasis	12
Upper-division history minor field I	6
Upper-division history minor field II	6
Upper-division electives to total 40 credits	13
Electives to total 128 credits	11
Total	128
NOTE: Majors must have upper-division course work distributed between U.S., European, and Third World history, with at least 12 hours in one area and at least 6 hours in each of the other two.	

Area I core requirements are explained on page 41.

Area III core requirements are explained on page 41.

These courses need to be from departments that teach Area I and II courses, but they do not have to be from the approved core lists.

See the note at the bottom of the table, which explains these additional requirements.

You must complete at least 128 credits for any baccalaureate degree. A few majors fulfill this automatically, but for most majors you will need to take some additional electives. The only restrictions on these elective credits are those defined on page 46.

Figure 11.2. A Typical Degree-Requirements Table

Double Majors

You may earn a single baccalaureate degree with more than one major if you satisfy all requirements for each major (as specified by the departments involved and as approved by the dean of the college offering each major).

Additional Baccalaureate Degrees

If you have earned a baccalaureate degree, either at BSU or elsewhere, you must complete at least 30 additional credits for each additional degree you wish to earn. Those 30 credits must be earned at BSU. In addition, you must meet all of the course requirements in your major and meet any other requirements of the university. In order to determine what requirements you need to complete, you will need to take a copy of your transcript(s) to the department chair of your major. The chair will review your transcript(s) and compile a list of courses you must complete at BSU in order to earn the additional degree. This list must also be approved by the dean of the college overseeing your department. A copy of the approved list must be sent to the Graduation Evaluators in the Registrar's Office. You do not have to meet the core requirements (discussed on page 40), though you may have to take core courses required for your major.

In order to determine what requirements you need to complete, you will need to take a copy of your transcript(s) to the department chair of your major. The Chair will review your transcript(s) and compile a list of courses you must complete at BSU in order to earn the additional degree. A copy of this list must be sent to the Graduation Evaluators in the Registrar's Office.

NOTE: If you already have a baccalaureate degree, you must apply for admission to BSU through the Graduate College—even if you will be taking undergraduate courses only. For more information, see the *BSU Graduate Catalog* or contact the Graduate Admissions Office, Math/Geosciences Building, Room 140, 208 385-3647.

Technical Certificates, Other Certificates, and Minors

Chapter 12, "Summary of Programs and Courses," lists the certificates and minors available at BSU, along with the degrees offered by BSU. A technical certificate is granted after a student completes a 9-month program or an 11-month program in the Larry G. Selland College of Applied Technology. Other certificates and minors are available in selected fields, as are minor teaching emphases in secondary-education programs. Requirements for all certificates and minors are listed in Chapter 13, "Academic Departments and Courses" and Chapter 14, "Applied Technology Programs."

NOTE: For a minor to be officially recorded on your transcript, you must complete all required course work in that minor **before** you receive your degree. Certificates are recorded on your transcript once your department or program notifies the Registrar's Office that you have completed all required course work.

Credit Limitations

Extension and Correspondence Courses

You may count toward graduation as many as 32 credits of extension or correspondence courses. However, your department may further limit the type and number of these credits that you can count toward your major. If you wish to count an extension or correspondence course toward degree requirements, you must complete the course and have an official transcript sent to the Registrar's Office by mid-term of the semester in which you begin your last 30 credit hours.

Independent Study

Any department offering a baccalaureate degree may offer independent study, which allows you to pursue a special interest in an area not covered by a regularly offered course. Independent study is designed to complement your major and is not intended to be used to complete requirements for a regularly offered course. You may not use independent study to improve a grade you received in a class. To participate in independent study, you must have attained junior standing and have a GPA of 2.0 or higher. If you are a junior or senior, you may take up to four credits of independent study in a semester, though you may take no more than six credits in a given academic year. You may apply no more than nine credits of independent study toward your degree. If you are a freshman or sophomore in the Honors Program, you may take up to four credits of independent study in a semester, up to a total of six lower-division credits.

Internships

Most departments provide internships or cooperative-education programs that provide academic credit for on-the-job experience in an area of interest or in your major. You may apply up to 12 credits of internship toward your graduation requirements. Departments that offer internship and cooperative-education programs have faculty coordinators for these programs. More information about internships is available from your department.

Telecourses

Telecourses are courses offered for credit through public television. They are offered by several academic departments and carry the designation 299. You may count a telecourse only as a general elective, and you may count toward graduation no more than 12 credits earned in telecourses. Other restrictions apply to telecourses if you are seeking a bachelor of business administration degree; for further information, see Table 11.9, above, in *Credit Requirements for Various Degrees*.

Fitness Activity Courses

Fitness activity courses are courses offered by the health, physical education, and recreation department in general-interest sports and recreation activities, such as bowling, kayaking, tennis, and aerobics. You may count toward graduation as many as 8 credits of fitness activity courses. Other restrictions apply to fitness activity courses if you are seeking a bachelor of business administration degree; for further information, see Table 11.9, above, in *Credit Requirements for Various Degrees.*

Religion Courses

You may count toward graduation as many as 8 credits of nonsectarian religion courses. However, the courses must be taken at regionally accredited colleges or universities, and you may count the credits only as general elective credits.

Undergraduate Enrollment in 500-Level Courses

If you are a senior, you may apply up to two 500-level (graduate) courses toward the credit requirements for an undergraduate degree. You may also count these courses toward the 40-credit requirement for upper-division courses. To count 500-level courses toward graduation, complete the form *Permit for Seniors to Take Graduate Courses* , available in the Registrar's Office, Administration Building, Room 102.

Graduation Honors

Graduation honors are awarded to students receiving their first baccalaureate degree, according to the scale shown in Table 11.16 below. Honors are awarded on the basis of all semesters completed, and the student's final transcript remains the official record of any honors granted. However, in honoring a student at commencement, BSU uses the student's grade point average (GPA) at the end of the fall semester.

Table 11.16
Graduation Honors

Cumulative Grade-Point Average	Honor
3.50 - 3.74	Cum Laude
3.75 - 3.94	Magna Cum Laude
3.95 - 4.00	Summa Cum Laude

NOTE: All grades, including those that have been excluded from GPA calculation in accordance with the grade exclusion policy, will be used to calculate graduation honors.

Catalog Policy

In determining if you are eligible to graduate, the Registrar's Office follows the requirements defined in a single edition of the university catalog. You may select any edition of the catalog, provided that the catalog was published and in force while you were enrolled at BSU and provided that the catalog is no older than six academic years at the time of your graduation.

Transferring Credits to BSU

Transferring credits is a process by which some or all of the credits you have earned at another institution of higher learning are applied toward your degree at BSU. The Registrar's Office evaluates your transcript to determine if the courses you have taken elsewhere are equivalent to courses offered at BSU. If a course you have taken is equivalent, you can count toward graduation the credits earned in that course, just as if you had earned those credits at BSU. If the course is not equivalent, those credits count as general elective credits. You may transfer all credits from a junior or community college but only 70 credits may be used toward graduation.

Boise State University accepts college-level credit for both academic and applied-technology programs, if those credits were granted by institutions accredited by regional accrediting associations, as reported in *Accredited Institutions of Post-Secondary Education* (published by the Council on Post-Secondary Accreditation). If you earn credits from an institution not listed in *Accredited Institutions of Post Secondary Education*, you may still be able to transfer those credits to BSU. In such cases, the department offering similar courses will review the credits you wish to transfer and will decide which credits—if any—to accept. You may request this department approval after you have completed 15 credits at BSU, with a cumulative GPA in those courses of 2.0 or higher.

As a transfer student, you are exempt from meeting the core requirements at BSU if **all** of the following conditions apply:

- You have been granted an associate of arts degree or an associate of science degree from the College of Southern Idaho, North Idaho College, or Treasure Valley Community College, or you have been granted an associate of arts and science degree from Ricks College.
- The degree was granted no earlier than spring semester of 1989.
- Your transcript shows that you have met the general education core requirements outlined in the *Idaho Statewide Articulation Policy*.

Likewise, you are exempt from the BSU core requirements if all of the following conditions apply:

- You are transferring from the University of Idaho, Idaho State University, or Lewis-Clark State College.
- Your transcript shows that you have met all of the core requirements at the University of Idaho, Idaho State University, or Lewis-Clark State College.

In all other cases, your transcript is evaluated on a course-by-course basis to determine which BSU core requirements you must meet. For more information about core requirements, see the section titled "Core Requirements," above.

If you wish to transfer applied-technology credits to academic programs at BSU, you must count them as either major-requirement credits or elective credits (as determined by the appropriate academic department, following approval of the dean overseeing that department). You may also transfer academic credits from a regionally accredited institution and apply those credits to applied-technology programs (as determined by the appropriate technical department, following approval of the dean overseeing that department). You may apply such credits only to the degree requirements stipulated by the department or program originally approving the transfer. If you switch from that department or program to another, the new department or program will evaluate the appropriateness of the transfer credits and decide whether to allow you to apply them toward the department or program requirements.

Credit for Prior Learning

Many colleges and universities, including Boise State University, accept satisfactory performance on national standardized examinations, satisfactory performance on locally written examinations, or satisfactory evaluation of other training and experience as alternatives by which a student may satisfy certain general education, specific course, or major requirements. You can earn up to one-third of the credits required for graduation by receiving credit for prior learning of the following types:

- satisfactory performance on approved national standardized examinations, departmental examinations, or evaluations
- military training and experience
- other training programs recognized and evaluated by the American Council on Education
- credit granted through a prior learning portfolio (described below)

Specific course equivalencies and credits awarded are determined by academic departments. Credit may be awarded for specific courses or as general elective credit. In granting credit for prior learning, Boise State University generally will follow the guidelines provided by *The American Council on Education (ACE) Guide to Educational Credit by Examination* and *The ACE Guide to Military and Other Training Programs*. Credits awarded through *The ACE Guide* recommendations and national standardized tests (CLEP, AP, PEP, NLN Mobility Exam, etc.) are transcribed with a grade of P (*Pass*) after you have successfully completed 12 credits at Boise State University. Credits earned from prior learning do not count toward the 30-credit residency requirement.

A brochure, *Credit for Prior Learning at Boise State University*, and the *BSU Administrative Handbook* provide a detailed list of all the forms of prior learning for which you may receive credit. More information about prior learning credit is available at the Office of Continuing Education, Library West Entrance, Room 104, 208 385-3492 or through the Registrar's Office, Administration Building, Room 102, 208 385-4249.

The following is a brief review of the prior learning credit that is available.

- The **College Level Examination Program (CLEP)** consists of general and subject exams in a variety of subject areas. The general exams measure college-level achievement in five areas: English composition, natural sciences, social sciences and history, mathematics, and humanities. The subject exams test achievement in more specific college-level subjects.
- **Advanced Placement Exams (AP)** are administered nationally each year in May, primarily at participating high schools. The exams are the culminating exercise for high school students taking honors or advanced courses that parallel standard college-level courses.
- **PEP Exams** are similar to CLEP subject exams in that they test achievement in college-level subjects.
- **USAFI/DANTES Exams** are primarily available to personnel on active duty in the Army, Navy, Air Force, Marine Corps, and Coast Guard, and to the cadets and midshipmen of the military academies. These are also similar to CLEP subject exams in that they test achievement in college-level subjects.
- **National League of Nursing II Mobility Tests** facilitate advanced placement for registered nurses working toward a bachelor of science degree in nursing.

Other Training Programs

You may earn credit for training programs listed in the *National Guide to Education Credit for Training Programs* , published by the American Council on Education (1984-85 edition or later). You may also earn credit for training programs listed in A *Guide to Educational Programs in Noncollegiate Organizations* , published by the University of the State of New York (1982 edition or later).

Military Training Credit

You may receive credit for selected military training or experience. To do so, you must furnish the Registrar's Office a copy of your DD 214, DD 220, or similar official documents. If you have completed two or more years of active military service, you may also request that the BSU military science department evaluate your military service for possible credit.

Prior Learning Portfolio

Credit for prior learning experiences is also possible through development of a formal, professional, written portfolio. The portfolio outlines, in depth, the knowledge you have gained outside the college classroom and shows the relationship to college-level learning. Assessment of portfolios and credit recommendations are determined by the academic department in which the credit is being requested. The Division of Continuing Education offers a 1-credit, 6-week workshop that covers all options for obtaining prior learning credit and assists students in portfolio development. You may earn up to one-quarter of the credits required for graduation. If you are granted credit through this method, you will be required to pay one-third of the normal credit hour fees at the time that the credit is recorded. For further information, contact the Office of Continuing Education, Library West Entrance, Room 104, 208 385-3492.

Course Challenge

If you feel that your background, education, and experience have given you sufficient knowledge in a subject area, you may *challenge* certain courses. That is, you may be able to receive credit for the course by passing a challenge exam. Each department selects which courses are available for challenge and may develop screening procedures to determine if you are eligible to take the challenge exam. Some departments charge a fee for taking the exam. You may not challenge a course to improve a previous grade earned in that course.

After you have received permission from the appropriate academic department to register for a challenge exam, you must complete the form *Course Challenge—Credit by Examination* and submit it to the Registrar's Office, Administration Building, Room 110. Unless you have enrolled for at least 8 credits and paid full fees for the semester, you will be charged the per-credit-hour fee for each credit you challenge. For departmentally prepared exams,the department determines the grading. Grades may be recorded as either Pass/Fail or as a letter grade (A, B, C, D, or F). Before you take the exam, the department will tell you what type of grading is available. You may not withdraw from a challenge after you have taken the exam, unless the department specifically authorizes your withdrawal.

Credit for Prerequisites Not Taken

A *prerequisite* is a course (or courses) that you must have successfully completed before you can enroll in another course. For instance, before you can enroll in S 102 Elementary Spanish, you must first have completed S 101 Elementary Spanish. If a course has a prerequisite, the prerequisite is listed in Chapter 13, "Academic Departments and Courses" or in the *BSU Directory of Classes*.

Depending on your background or experience, you may be allowed to take some courses without first taking a prerequisite course. In some cases, you may also be able to receive credit for the prerequisite course. To take a course without first taking the prerequisite, you must obtain the approval of the head of the appropriate academic department. If you receive approval and earn a grade of C or higher in the advanced course, you may request credit for selected prerequisite courses. To request credit for prerequisites not taken, you must complete the form *Request for Adjustment of Academic Requirements* and submit it to the Registrar's Office, Administration Building, Room 102. Department chairs and deans determine which courses can qualify for this credit. Departments may also require that you take an examination covering the content of the prerequisite course.

How to Apply for Graduation

To apply for graduation, request an *Application for Graduation* from the Registrar's Office, Administration Building, Room 102. Complete it and return it to the Registrar's Office. After receiving your application, the Registrar's Office evaluates your transcripts and other university records to verify that you meet all the requirements for graduation. You should apply for graduation the semester before you intend to graduate but no later than the end of the first week of the semester you intend to graduate (see the academic calendar for the exact date).

NOTE: The *Application for Graduation* must be accompanied by a $20 diploma fee. All graduating students must pay this fee, regardless of whether they intend to participate in commencement and regardless of whether they wish to receive a diploma.

? Questions About These Policies?

If you have questions about these policies, contact the Registrar's Office, Administration Building, Room 102, 208 385-4249.

Chapter 12—Summary of Programs & Courses

Table 12.1 Degrees, Majors, Minors, Certificates, and Transfer Programs Offered at BSU

Program	Graduate Degree	Undergraduate Degree	Certificate, Minor or Transfer Program	Department	Page
Accountancy, Taxation	M.S.**			Accountancy	*
Accounting		B.B.A., B.A., B.S.	Minor	Accountancy	57
Accounting, Internal Audit Option		B.B.A., B.A., B.S.		Accountancy	58
Accounting Technology		A.A.S.		Applied Technology	215
Administrative Office Technology		A.A.S.		Applied Technology	215
Alcohol/Drug Studies			Minor	Health Studies	124
Anthropology		B.A.	Minor	Anthropology	60
Anthropology, Social Science, Secondary Education		B.A.		Anthropology	60
Applied Mathematics			Minor	Mathematics and Computer Science	147
Apprenticeship		A.A.S.		Applied Technology	210
Art Education	M.A.	B.A., B.F.A.		Art	*-63-64
Athletic Administration **granted by Idaho State University	M.P.E.**			Health, Physical Education, and Recreation	*
Athletic Training		B.S.		Health, Physical Education, and Recreation	114
Auto Body		T.C.		Applied Technology	210
Automated Industrial Technician		A.T.C., A.A.S.		Applied Technology	211
Automotive Technology		T.C., A.T.C., A.A.S.		Applied Technology	211-212
B.A.S, Applied Technology		B.A.S		Larry G. Selland College of Applied Technology	69
Biology		B.S.	Minor	Biology	70-71
Biology, Secondary Education		B.S.		Biology	71-72
Broadcast Technology		A.A.S.		Applied Technology	213
Business			Minor	College of Business and Economics	73
Business Administration	M.B.A.			College of Business and Economics	*
Business Economics		B.B.A.		Economics	93
Business Systems and Computer Technology		A.T.C., A.A.S.		Applied Technology	213-214
Business Technology		T.C.		Applied Technology	215
Canadian Studies			Minor	College of Social Sciences and Public Affairs	74
Chemistry Biochemistry Emphasis General Emphasis Professional Emphasis		B.S.	Minor	Chemistry	74-75
Chemistry, Secondary Education		B.S.		Chemistry	76
Child Care and Development		A.A.S., T.C.		Applied Technology	217
Communication/English Humanities/Rhetoric Emphasis Journalism Emphasis		B.A.		Communication	80
Communication	M.A.	B.A.	Minor	Communication	*-78
Communication, Secondary Education		B.A.		Communication	79
Communication, Training, and Development		B.A.		Communication	79
Computer Information Systems		B.B.A., B.A., B.S.	Minor	Computer Information Systems and Production Management	83
Computer Science		B.S.	Minor	Mathematics and Computer Science	146
Construction Management		B.S.	Minor	Construction Management	86
Criminal Justice Administration Corrections/Counseling Emphasis Courts/Law Emphasis Law Enforcement Emphasis Research Methods Emphasis		A.S., B.A., B.S.		Criminal Justice Administration	88-89
Culinary Arts		T.C., A.A.S.		Applied Technology	218
Curriculum and Instruction	M.A., Ed.D.			College of Education	*

Program	Graduate Degree	Undergraduate Degree	Certificate, Minor or Transfer Program	Department	Page
Dental Assisting		T.C.		Applied Technology	220
Dispute Resolution			Certificate	College of Social Sciences and Public Affairs	90
Drafting Technology		A.A.S.		Applied Technology	220-221
Early Childhood	M.A.			College of Education	*
Earth Science Education	M.S.	B.S.		Geosciences	*-107-108
Economics International Economics Emphasis Social Science Emphasis Quantitative Emphasis		B.A.	Minor	Economics	91-93
Economics, Social Science, Secondary Education		B.A.		Economics	93
Educational Technology	M.S.			College of Education	*
Electrical Lineworker		T.C.		Applied Technology	222
Electronics Technology		A.A.S.		Applied Technology	222
Elementary Education		B.A.		Teacher Education	193-194
Elementary Education- Bilingual/Multicultural		B.A.		Teacher Education	194
Engineering Civil Electrical Mechanical		B.S.		Engineering	96-99
English, Liberal Arts Emphasis	M.A.	B.A.	Minor	English	*-100-101
English, General Literature Emphasis		B.A.		English	101
English, Linguistics Emphasis		B.A.		English	101
English, Technical Communication Emphasis	M.A.	B.A.	Certificate	English	*-102
English, Writing Emphasis		B.A.		English	102
English Teaching	M.A.	B.A.		English	*-101
Environmental Control Technician		A.T.C., A.A.S.		Applied Technology	224
Environmental Health		B.S.		Health Studies	120
Environmental Studies			Minor	Biology	106
Exercise and Sports Studies	M.S.			Health, Physical Education and Recreation	*
Farm Business Management		P.V.C.		Applied Technology	224
Finance		B.B.A., B.A., B.S.	Minor	Marketing and Finance	142-143
Fire Service Technology		A.A.S.		Applied Technology	225
French		B.A.	Minor	Modern Languages	151
French, Secondary Education		B.A.		Modern Languages	151-152
General Art		B.A., B.F.A.	Minor	Art	62-63
General Business Management		B.B.A., B.A., B.S.		Management	140
Geology	M.S.	B.S.		Geosciences	*-107
Geophysics	M.S.	B.S.		Geosciences	*-108
German		B.A.	Minor	Modern Languages	152
German, Secondary Education		B.A.		Modern Languages	152
Gerontology			Minor	Interdisciplinary Studies in Aging	59
Graphic Design		B.A., B.F.A.		Art	64-65
Health Information Technology		A.S.		Health Studies	121
Health Information Management		B.S.		Health Studies	121-122
Health Science	M.H.S.			College of Health Sciences	*
Health Sciences Studies General Health Science Emphasis Science Emphasis		B.S.		Health Studies	122-123
Heavy Duty Mechanics- Diesel		T.C.		Applied Technology	225-226
History	M.A.	B.A.		History	*-129-130
History, Secondary Education		B.A.		History	130

Program	Graduate Degree	Undergraduate Degree	Certificate, Minor or Transfer Program	Department	Page
Horticulture Service Technician		A.A.S.		Applied Technology	226
Illustration		B.F.A.		Art	65
Industrial Maintenance Technology		T.C.		Applied Technology	227
Instructional and Performance Technology	M.S.			College of Engineering	*
Interdisciplinary Studies	M.A., M.S.	B.A., B.S.		College of Arts and Sciences	*-135-136
International Business		B.B.A., B.A., B.S.	Minor	International Business and Consortium and Programs	137
Japanese			Minor	Modern Language	153
Latin and Language Literature			Minor	History	130
Legal Assistant			Minor	College of Social Sciences and Public Affairs	138
Legal Office Technology		A.A.S.		Applied Technology	215
Machine Tool Technology		TC., A.T.C., A.A.S.		Applied Technology	228
Management Entrepreneurial Option Human Resource Management Option		B.B.A., B.A., B.S.	 Minor Minor	Management	140-141
Manufacturing Technology		A.A.S.		Applied Technology	229
Marketing		B.B.A., B.A., B.S.	Minor	Marketing and Finance	143
Marketing/Management		A.A.S.		Applied Technology	230
Mass Communication/Journalism		B.A.		Communication	78
Mathematics		B.A., B.S.	Minor	Mathematics	146
Mathematics, Secondary Education	M.S.	B.A., B.S.		Mathematics	*-147
Mechanical Welding Technician		A.T.C., A.A.S.		Applied Technology	231
Medical Technology		B.S.		Health Studies	126
Mexican-American Studies			Minor	Sociology	189
Multi-Ethnic Studies		B.A.	Minor	Sociology	189
Music		B.A.	Minor	Music	160
Music/Business		B.A.		Music	160-161
Music Education	M.M.	B.M.		Music	*-158-160
Music, Performance	M.M.	B.M.		Music	*-157
Music, Pedagogy	M.M.			Music	*
Music, Composition		B.M.		Music	158
Native American Studies			Minor	Anthropology	61
Nursing		A.S., B.S.		Nursing	165-167
Office Occupations		P.V.C.		Applied Technology	232
Philosophy		B.A.	Minor	Philosophy	169
Photocopy Technology		T.C.		Applied Technology	213
Physical Education, Secondary Education		B.S.		Health, Physical Education and Recreation	112
Physical Education, Nonteaching Option Biomechanics Emphasis Exercise Science Emphasis Health Promotion Emphasis		B.S.		Health, Physical Education and Recreation	112-113
Physics		B.S.	Minor	Physics	170-171
Physics, Secondary Education		B.S.		Physics	171
Political Science American Government International Relations Public Law and Political Philosophy Public Administration		B.A., B.S.	Minor	Political Science	173
Political Science, Social Science, Secondary Education		B.A.		Political Science	173-174
Practical Nursing		T.C.		Nursing	168
Pre-Architecture			Transfer	Art	66
Pre-Chiropractic			Transfer	Health Studies	127
Pre-Dental Hygiene			Transfer	Health Studies	127

Program	Graduate Degree	Undergraduate Degree	Certificate, Minor or Transfer Program	Department	Page
Pre-Dental Studies Biology Option Chemistry Option		B.S.		Health Studies	125
Pre-Dietetics			Transfer	Health Studies	127
Pre-Engineering			Transfer	Engineering	95
Pre-Forestry and Wildlife Management			Transfer	Biology	72
Pre-Medical Studies Biology Option Chemistry Option		B.S.		Health Studies	125
Pre-Occupational Therapy			Transfer	Health Studies	127-128
Pre-Optometry			Transfer	Health Studies	128
Pre-Pharmacy			Transfer	Health Studies	128
Pre-Physical Therapy			Transfer	Health Studies	128
Pre-Physician Assistant			Transfer	Health Studies	129
Pre-Veterinary Medicine Studies		B.S.		Health Studies	126
Production and Operations Management Operating Systems Emphasis Quality Management Emphasis		B.B.A., B.A., B.S.		Computer Information Systems and Production Management	84
Professional Truck Driving		P.V.C.		Applied Technology	232
Psychology		B.A., B.S.	Minor	Psychology	176-177
Public Administration	M.P.A.			College of Social Sciences and Public Affairs	*
Quality Management			Minor	Computer Information Systems and Production Management	84
Radiologic Sciences		A.S.		Radiologic Sciences	179
Radiologic Sciences Computerized Tomography Option Diagnostic Medical Sonography Option Magnetic Resonance Imaging Option Management Option		B.S.		Radiologic Sciences	180-181
Raptor Biology	M.S.			Biology	*
Reading	M.A.			College of Education	*
Recreational and Small Engine Repair Technology		T.C.		Applied Technology	233
Refrigeration, Heating and Air Conditioning		T.C.		Applied Technology	234
Respiratory Therapy		A.S.		Respiratory Therapy	183
Respiratory Therapy Advanced Clinical Option Education Option Management Option		B.S.		Respiratory Therapy	183-184
Respiratory Therapy Technician		T.C.		Applied Technology	234
School Counseling	M.A.			Counseling	*
Semiconductor Technology		A.A.S.		Applied Technology	223
Social Science		A.A., B.A., B.S.		Sociology	186-187
Social Work	M.S.W.	B.A.		Social Work	*-185
Sociology		B.A., B.S.	Minor	Sociology	187
Sociology, Interdisciplinary Social Science, Secondary Education		B.A.		Sociology	188
Sociology, Social Science, Secondary Education		B.A.		Sociology	188
Spanish		B.A.	Minor	Modern Languages	153
Spanish, Secondary Education		B.A.		Modern Languages	153
Special Education	M.S.			College of Education	*
Surgical Technology		T.C.		Applied Technology	235
Theatre Arts Design Option Dramatic Writing Option Directing Option Performance Option		B.A.	Minor	Theatre Arts	206-207

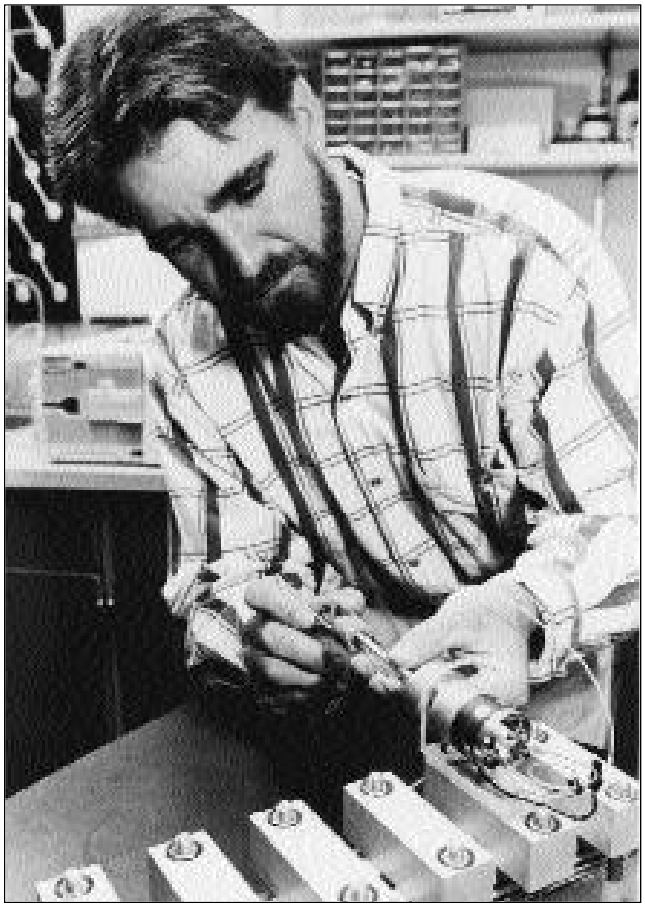
Program	Graduate Degree	Undergraduate Degree	Certificate, Minor or Transfer Program	Department	Page
Theatre Arts, Secondary Education		B.A.		Theatre Arts	207
Visual Arts	M.F.A.**			Art	*
Welding and Metals Fabrication		T.C.		Applied Technology	236
Women's Studies			Minor	Sociology or Psychology	209

*See the *BSU Graduate Catalog* .
**NOTICE: This new graduate program has been approved for implementation by the Idaho State Board of Education but has not yet received full funding. Therefore, some or all of the courses required for the degree may not be available during this academic year. Because the funding status of this program may have changed since the publication of the catalog, you are encouraged to inquire about course offerings by calling the chair of the department or the Dean of the Graduate College.

BSU's Course Numbering System

Each course offered at Boise State University is assigned a unique number, indicating what type of course it is and what sort of credits may be earned in the course. Throughout this catalog, you will find courses numbered as follows:

000 through 099	noncredit courses that do not count toward degree requirements
100 through 199	freshman-level courses (lower-division courses)
200 through 299	sophomore-level courses (lower-division courses)
300 through 499	junior- and senior-level courses (upper-division courses)
500 and above	graduate-level courses



Ordinarily, courses numbered below 500 carry undergraduate credit. However, the university sometimes grants graduate credit in select upper-division courses (those numbered 300 through 499). If an upper-division course carries graduate credit, its unique number will be followed by a G (for *graduate*). Students enrolling in such courses may earn either graduate or undergraduate credit; however, students who wish to earn graduate credit are required to do additional work beyond that required of students earning undergraduate credit.

The unique course number of each course is followed by a sequence of three numbers that indicate the type of course, the number of credits a student earns by completing the course, and the number of hours per week that the course meets. The following examples show typical uses of these additional numbers:

3-0-3	a 3-hour lecture class carrying 3 credits
3-4-5	a 3-hour lecture class with a corresponding 4-hour laboratory class, carrying 5 credits
0-4-0	a 4-hour laboratory class that carries no credit
0-2-1	a 2-hour studio art class or fitness activity class, carrying 1 credit

Classes in Applied Technology Programs are either lecture, lab, or lecture/lab courses, as described below:

- Lecture: one semester credit for 15 clock hours.
- Lecture/Lab: one semester credit for 30 clock hours of lab time.
- Pure Lab: one semester credit for 45 clock hours of lab or work experience.

(2-0-0-2)	a typical two-hour lecture class for two credits
(2-4-0-3)	a two-hour lecture and four hours of laboratory for three credits
(0-4-0-0)	a four hour lecture/lab with no credits awarded
(1-4-45-4)	a one-hour lecture, four hour lecture/lab, 45-five clock-hour lab/ internship for four credits

Course Abbreviations

Abbreviations are added to course numbers to indicate the academic session in which the course is offered, as in the following examples:

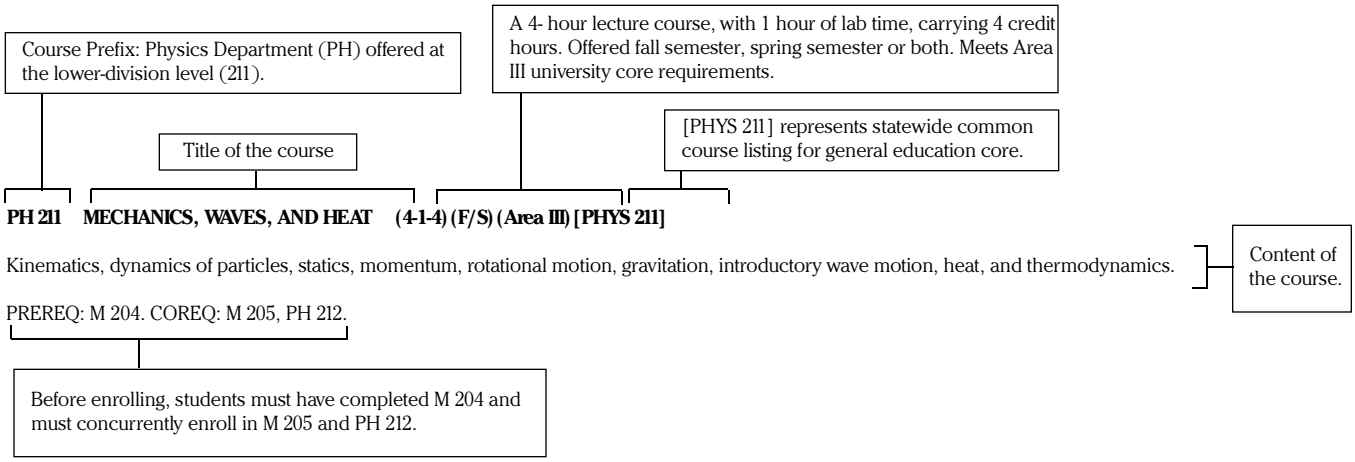
F	fall semester only
S	spring semester only
F,S	fall and spring semester
F/S	fall semester, spring semester, or both
F,SU	fall semester and summer session only
S,SU	spring semester and summer session only

If none of these abbreviations appear in the course description, then the course is offered during the fall semester, spring semester, and summer sessions (though there may be some exceptions).

Other authorized abbreviations are PREREQ, COREQ, PERM/INST, and PERM/CHAIR. Generally, a *prerequisite* is a condition that must be met before a student may enroll in a particular course. In most instances a prerequisite is a course that the student must successfully complete before enrolling in another, related course. For instance, before enrolling in E-402 Advanced Technical Communication, a student must have successfully completed E-302 Technical

Figure 12.1. A Typical Course Description

Figure 12.1., below, shows a typical course description, with definitions for each part of the description.



Rhetoric. In contrast, a *corequisite* is a course that must be taken concurrently with another course; the most common type of corequisite is a laboratory class that must be taken at the same time as a related science course.

PERM/INST indicates that students must obtain the instructor's permission before enrolling in the class, while PERM/CHAIR indicates that students must obtain the permission of the department chair.

University-Wide Course Numbers

Some course numbers have been made standard throughout the university, indicating a particular type of course. Each standard course number is defined below.

097, 197, 297, 397, and 497 Special Topics (0 to 4 credits) . Special-topics courses address special or unusual material not covered by the regular course offerings. Special Topics courses may be offered no more than three times; after that, the course must be approved by the University Curriculum Committee before it can be offered again. Credits earned in courses numbered 197, 297, 397, or 497 count toward the total credits required for graduation.

188 Honors Independent Study (1 to 3 credits). Honors students may earn credits in independent study, usually through directed reading or by completing a special project. Students may earn no more than three credits each academic session and no more than six credits during a single academic year. Before enrolling for independent study, a student must first obtain the approval of the dean or department chair, acting on the recommendation of the student's advisor.

239, 439 Foreign Study (number of credits varies). Foreign study credits are granted by academic departments that participate in Studies Abroad (see Chapter 10, "Continuing Education") or that conduct approved international studies programs.

293, 493 Internship (number of credits varies). Internship credits are earned in supervised field work specifically related to a student's major. To enroll in courses numbered 293 or 493, a student must have attained a cumulative grade-point average of 2.00 or higher. No more than 12 internship credits may be used to meet degree requirements or university graduation requirements.

294, 494 Conference or Workshop (0 to 4 credits). Conferences and workshops are short courses conducted by qualified faculty or another expert in a particular field.

299 Telecourse (1 to 3 credits). Telecourses provide an opportunity for students to earn credits at home or at work through a mix of televised lectures, reading assignments, writing assignments, and examinations. Credits earned in telecourses numbered 299 may be counted only as elective credits. No more than 12 telecourse credits may be applied toward graduation requirements. Telecourses may not be counted toward the 16-19 nonbusiness electives required for the bachelor of business administration degree.

496 Independent Study (1 to 4 credits). Upper-division students may earn credits in independent study, usually through directed reading or by completing a special project. Students may earn no more than six credits during a single academic year, and no more than a total of nine credits may be used to meet degree requirements or university graduation requirements. Before enrolling for independent study, a student must obtain the approval of the department chair, acting on the recommendation of the instructor who will be supervising the independent study. An independent study cannot be substituted for a course regularly offered at BSU, nor can independent study credits be used to improve a grade in a course the student has already taken.

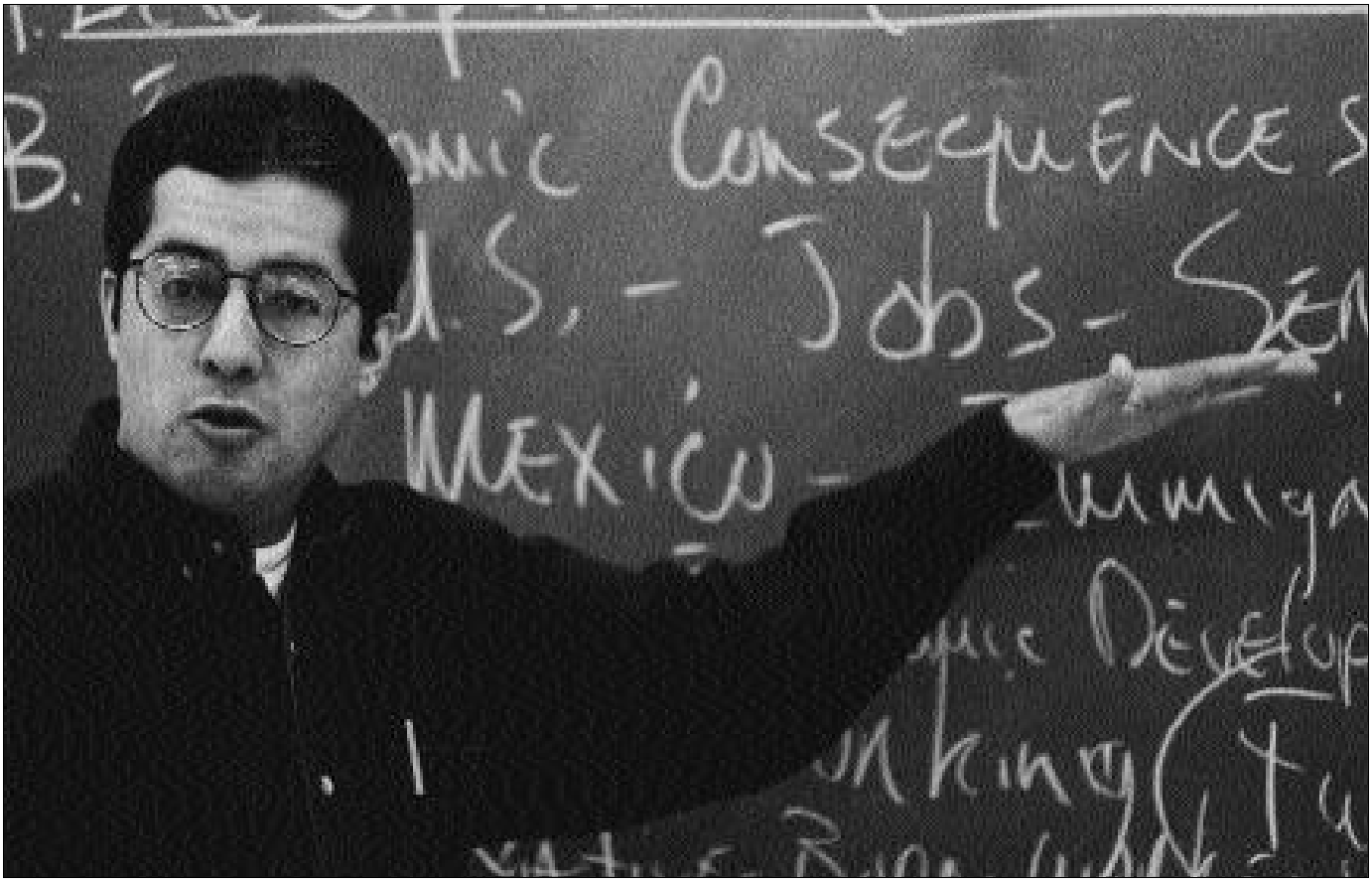
498, 499 Seminar (1 to 4 credits). A seminar is a small class that examines a particular topic. Seminars are typically discussion oriented and are most commonly offered at the junior, senior, or graduate level.

Table 12.2, below, lists all of the course prefixes used at Boise State University. A course prefix is the one- or two-letter code preceding a course number; it indicates the subject area of the course.

Table 12.2
Course Prefixes

Prefix	Meaning	Department
AA	Athletic Administration	Health, Physical Education and Recreation
AB	Auto Body	Applied Technology
AC	Accounting	Accountancy
AM	Automotive Technology	Applied Technology
AN	Anthropology	Anthropology
AP	Apprenticeship	Applied Technology
AR	Art	Art
B	Biology	Biology
BC	Business Systems and Computer Technology	Applied Technology
BQ	Basque	Modern Languages
BR	Broadcast Technology	Applied Technology
BT	Botany	Biology
BU	Business Communication	Marketing and Finance
C	Chemistry	Chemistry
CA	Culinary Arts	Applied Technology
CB	Core Block	Applied Technology
CC	Child Care	Applied Technology
CD	Counseling	Counseling
CM	Communication	Communication
CN	Canadian Studies	College of Social Sciences and Public Affairs
CO	Construction Management	Construction Management
CR	Criminal Justice Administration	Criminal Justice Administration
CS	Computer Science	Mathematics and Computer Science
CX	Civil Engineering	Engineering
DA	Dental Assisting	Applied Technology
DM	Heavy Duty Mechanics- Diesel	Applied Technology
DR	Dispute Resolution	College of Social Sciences and Public Affairs
DT	Drafting	Applied Technology
E	English	English
EC	Economics	Economics
EH	Environmental Health	Health Studies
EL	Electrical Lineworker	Applied Technology
EN	Engineering Sciences	Engineering
ET	Electronics Technology	Applied Technology
EX	Electrical Engineering	Engineering
F	French	Modern Languages
FA	Fitness Activity	Heath, Physical Education and Recreation
FI	Finance	Marketing and Finance
FL	Foreign Language	Modern Language
FM	Farm Business Management	Applied Technology
FR	Fire Service Technology	Applied Technology
FS	Forestry	Biology
G	German	Modern Languages
GB	General Business	Management
GE	General Education	Teacher Education
GG	Geography	Geosciences
GO	Geology	Geosciences
GP	Geophysics	Geosciences
GR	Greek	History
GS	General Science	Geosciences
H	Health Studies	Health Studies
HO	Horticulture Service Technician	Applied Technology
HP	Honors	Honors Program
HU	Humanities	English
HY	History	History
IB	International Business	International Business
ID	Interdisciplinary Studies	College of Arts and Sciences
IM	Industrial Maintenance Technology	Applied Technology
IP	Instructional and Performance Technology	College of Engineering
IS	Computer Information Systems	Computer Information Systems and Production Management
JP	Japanese	Modern Languages
LA	Latin	History
LI	Linguistics	English
LS	Library Science	Teacher Education
M	Mathematics	Mathematics and Computer Science
MA	Music, Applied	Music
MC	Music, Private Lessons	Music
ME	Music, Ensemble	Music
MG	Management	Management
MH	Master of Health Science	College of Health Science
MK	Marketing	Marketing and Finance
ML	Military Science	Military Science
MM	Marketing/Management	Applied Technology
MN	Manufacturing Technology	Applied Technology
MR	Health Information Technology	Health Studies
MS	Machine Shop	Applied Technology
MT	Medical Technology	Health Studies
MU	Music, General	Music
MX	Mechanical Engineering	Engineering
NA	Nursing	Nursing
NS	National Student Exchange	National Student Exchange
NU	Nursing	Nursing
OC	Office Occupations	Applied Technology
OT	Business Technology	Applied Technology
P	Psychology	Psychology
PA	Public Administration	Public Affairs
PE	Physical Education	Health, Physical Education and Recreation
PH	Physics	Physics
PL	Legal Assistant	College of Social Sciences and Public Affairs
PN	Practical Nursing	Nursing
PO	Political Science	Political Science
PR	Production Management	Computer Information Systems and Production Management
PS	Physical Science	Physics

Prefix	Meaning	Department
PY	Philosophy	Philosophy
R	Russian	Modern Languages
RD	Radiologic Sciences	Radiologic Sciences
RH	Refrigeration, Heating and Air Conditioning	Applied Technology
RT	Respiratory Therapy	Respiratory Therapy
RS	Respiratory Therapy Technician	Applied Technology
S	Spanish	Modern Languages
SC	Semiconductor Technology	Applied Technology
SE	Recreational and Small Engine Repair Technology	Applied Technology
SG	Student Government	Vice-President for Student Affairs
SO	Sociology	Sociology
SS	Social Science	Sociology
TA	Theatre Arts	Theatre Arts
TE	Teacher Education	Teacher Education
TS	Technical Support	Applied Technology
W	Welding and Metals Fabrication	Applied Technology
WS	Women's Studies	Sociology
XG	Geology	BSU/ISU
XY	Hydrogeology	BSU/ISU
Z	Zoology	Biology



Academic Programs and Courses

Department of Accountancy

Business Building, Room 214 Telephone 208 385-3461

Chair and Professor: David Koeppen. *Professors:* Lathen, Merz, Pirrong. *Associate Professors:* D. English, T. English, Medlin, Nix. *Assistant Professors:* Novak, Sarikas. *Special Lecturers:* Bates, Christensen, Ilett.

Degrees Offered

- B.B.A., B.A., B.S., and Minor in Accounting
- B.B.A., B.A., and B.S. in Accounting, Internal Audit Option
- M.S. in Accountancy, Tax Emphasis (See the *BSU Graduate Catalog*.)

Department Statement

About 500 undergraduate students major in accounting at Boise State University. There are many professional opportunities available for college graduates with an accounting background, and the demand for graduates is high.

Of the thirteen full-time faculty in the department, nine have completed the doctorate; all are Certified Public Accountants; three are Certified Management Accountants; and two are Certified Internal Auditors. Their research is recognized through publication in many professional and academic journals. Most of the faculty have experience in private, public, and governmental accounting.

The objectives of the accounting program are:

1. To provide students with the professional skills needed to secure successful career opportunities in public accounting, private industry, or the public sector.
2. To provide students with a general education—including an understanding of their professional, ethical, and social responsibilities—that will enable them to function as responsible citizens within the socio-economic environment.

A primary goal of the department is to provide a foundation for graduates to progress rapidly into responsible positions. For this reason, the accounting program is intended to develop and enhance a student's critical thinking, judgment, and communication skills. The curriculum requires extensive application of oral and written skills, analytical practice sets, and the exercise of professional judgment and decision-making. The use of the microcomputer in the learning process is paramount, particularly the use of electronic spreadsheets as a tool for analysis, problem-solving, and modeling.

The accounting degree requires a comprehensive 134-hour program of study. The program includes a minimum of 55 hours of broad-based education, including communication, mathematics, humanities, social sciences, and natural sciences; 42 hours of study in business and economics; 30 credit hours of accounting; and 7 hours of electives.

The department also offers an internal audit option for accounting majors. Those interested in this option must take the courses prescribed below.

Because of the rigor and intensity of the upper-division accounting program, students are strongly urged to consult with their advisor to develop an individual plan before enrolling in upper-division courses.

Accounting majors should plan to take an appropriate professional examination during or immediately following their last semester. Accordingly, students should anticipate 250–350 hours of intensive study for that examination. (This is roughly equivalent to 6 credit hours.)

Degree Requirements

Accounting
Bachelor of Business Administration

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core courses	6
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
EC 205 Principles of Microeconomics	3
EC 206 Principles of Macroeconomics	3
Area II core course other than economics	3
Area III — see page 41 for list of approved courses	
Area III core course - (M 105 or M 111)	4-5
Area III core course - (M 106 or M 204)	4-5
Area III core course in a lab science	4
AC 205 Introduction to Financial Accounting	3
AC 206 Introduction to Managerial Accounting	3
AC 302 Principles of Income Taxation	3
AC 304, 306 Intermediate Accounting I, II	6
AC 350 Analysis, Design and Audit of Accounting Information Systems	3
AC 351 Cost Accounting	3
AC 402 Advanced Income Taxation	3
AC 405 Auditing	3
AC 440 Accounting Theory	3
Accounting courses Chosen from AC 406, 407, 450, 451, and 465.	6
BU 328 Business Communication	3
EC 303 Intermediate Microeconomics	3
FI 303 Principles of Finance	3
GB 202 Legal Environment of Business	3
GB 302 Commercial Law	3
GB 450 Business Policies	3
IS 310 Introduction to Management Information Systems	3
MG 301 Management and Organizational Theory	3
MG 401 Organizational Behavior	3
MK 301 Principles of Marketing	3
PR 207 Statistical Techniques for Decision Making I	3
PR 345 Principles of Production Management	3
Nonbusiness courses	19
*Electives to total 134 credits	7
Total	134

NOTES: We urge that you do not try to fit your entire accounting degree program into a 4-year sequence, unless you attend one or more summer sessions. Upper-division majors are assumed to have basic database, spreadsheet, and word processing skills. If you are lacking these skills, you should take IS 101.
*Please refer to the B.B.A. requirements in Chapter 11 for explanation.

Accounting, Internal Audit Option
Bachelor of Business Administration

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core courses	6
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
EC 205 Principles of Microeconomics	3
EC 206 Principles of Macroeconomics	3
Area II core course other than economics	3
Area III — see page 41 for list of approved courses	
Area III core course - (M 105 or M 111)	4-5
Area III core course - (M 106 or M 204)	4-5
Area III core course in a lab science	4
AC 205 Introduction to Financial Accounting	3
AC 206 Introduction to Managerial Accounting	3
AC 302 Principles of Income Taxation	3
AC 304, 306 Intermediate Accounting I, II	6
AC 350 Analysis, Design and Audit of Accounting Information Systems	3
AC 351 Cost Accounting	3
AC 402 Advanced Income Taxation	3
AC 405 Auditing	3
AC 407 Internal Audit	3
AC 440 Accounting Theory	3
AC 450 Electronic Data Processing Auditing	3
Accounting elective chosen from AC 406, 451, 493	3
BU 328 Business Communication	3
EC 303 Intermediate Microeconomics	3
FI 303 Principles of Finance	3
GB 202 Legal Environment of Business	3
GB 302 Commercial Law	3
GB 360 Business Ethics and Social Responsibility	3
GB 450 Business Policies	3
IS 217 End User Computing	3
IS 310 Introduction to Management Information Systems	3
MG 301 Management and Organizational Theory	3
MG 401 Organizational Behavior	3
MK 301 Principles of Marketing	3
PR 207 Statistical Techniques I	3
PR 345 Principles of Production Management	3
*Nonbusiness courses	19
Total	136

NOTES: We urge that you do not try to fit your entire accounting degree program into a 4-year sequence, unless you attend one or more summer sessions. Upper-division majors are assumed to have basic database, spreadsheet, and word processing skills. If you are lacking these skills, you should take IS 101.
*Please refer to the B.B.A. requirements in Chapter 11 for explanation.

A student pursuing a degree from the College of Business and Economics may earn a minor in accounting by satisfying the requirements listed in the following table, in addition to the requirements of the student's major.

Accounting Minor

Course Number and Title	Credits
AC 205 Introduction to Financial Accounting	3
AC 206 Introduction to Managerial Accounting	3
AC 302 Principles of Income Taxation	3
AC 304 Intermediate Accounting I	3
AC 351 Cost Accounting	3
Upper-division accounting courses	6
Total	21

NOTE: These courses must be completed with a grade of C or better.

Course Offerings

See page 53 for a definition of the course-numbering system.

AC ACCOUNTING

Lower Division

AC 205 INTRODUCTION TO FINANCIAL ACCOUNTING (3-0-3). Introduction to contemporary financial accounting in the business world. The emphasis is on obtaining an understanding of how financial statements are prepared and used. Includes the basic terminology, a theoretical framework and the double entry accounting system. PREREQ: M 105 or M 111.

AC 206 INTRODUCTION TO MANAGERIAL ACCOUNTING (3-0-3)(F/S). Introduces the student to accounting for corporations, financial statement analysis and cost accounting concepts. PREREQ: AC 205.

Upper Division

Upper-division courses in the department of accountancy (those with a course number 300 or higher) provide higher-level instruction to students who have the skills necessary to perform at this level. In addition to fulfilling the specific prerequisites listed and meeting the general university requirements for junior standing, every student admitted to a course is expected: to communicate clearly and correctly so that assignments such as term papers and presentations can be completed effectively, to organize and solve problems using the techniques of intermediate level high school algebra, to use a microcomputer for simple word processing and spreadsheet applications.

AC 302 PRINCIPLES OF INCOME TAXATION (3-0-3)(F/S). Theory and application of federal income taxes to individuals and sole proprietorships. Property transactions are covered, along with discussions of the CPA/Client relationship and the social and political considerations of developing tax law. Degree credit will be allowed for either AC 320 or AC 302. PREREQ: AC 205.

AC 304 INTERMEDIATE ACCOUNTING I (3-0-3)(F/S). The course includes the study of financial reporting, including the effects of economic, legal, political, social and ethical influences on the formulation of generally accepted accounting principles. A comprehensive analysis of basic financial reporting, including the preparation of the statements of income and financial position. In-depth study of current and noncurrent assets and liabilities plus stockholders equity. Lotus 1-2-3 is used as a tool in analyzing complex reporting problems. PREREQ: AC 206 and satisfactory completion of computer competency exam.

AC 306 INTERMEDIATE ACCOUNTING II (3-0-3)(F/S). Continuation of AC 304. Operational, fixed, and intangible assets are covered. Also covered are, accounting for stockholders' equity, accounting changes, long-term investments in equity securities, and price level changes. PREREQ: AC 304 with a grade of 'C' or higher.

AC 320 TAX FACTORS IN BUSINESS DECISIONS (3-0-3). Introduction to the impact of federal income taxes on business operating and financing decisions. Degree credit not allowed for both AC 320 and AC 302. Offered when possible. PREREQ: AC 205.

AC 350 ANALYSIS, DESIGN AND AUDIT OF ACCOUNTING INFORMATION SYSTEMS (3-0-3)(F/S). The purpose of this course is to provide an introduction to accounting information systems. Topics covered include (1) general systems theory, (2) the records, documents, procedures, and controls found in the primary manual and computer- based systems, (3) the approaches, methods, and tools useful for designing, developing, implementing, and controlling accounting information systems and (4) hands-on experience with microcomputer-based, database, spread-sheet and pre-audit software applications. The ethical dimensions of these topics are also considered. PREREQ: AC 304.

AC 351 COST ACCOUNTING (3-0-3)(F/S). The course covers the theory of cost accounting and cost control, including job order, process, direct and standard costs, budgeting, break-even analyses, and the role of a management accountant, including ethical responsibilities. Emphasis on cost determination as a tool for management decision making. PREREQ: AC 206 and PR 207.

AC 402 ADVANCED INCOME TAXATION (3-0-3)(F/S). Theory and application of the federal income tax to corporations organized for profit and an introduction to partnership, trust, estate, and gift taxation. PREREQ: AC 302 and AC 304.

AC 405 AUDITING (3-0-3)(F/S). Study of the scope and purpose of the accountant as an independent auditor. Topics include professional ethics, legal responsibilities, role of the SEC, approach to an audit report. PREREQ: AC 306 and AC 350.

AC 406 ADVANCED AUDITING (3-0-3)(F/S). In-depth study of external audit, including ethics cases, special audit topic cases, and a work paper documentation exercise. The course also includes an introduction to internal audit and EDP auditing. PREREQ: AC 405 or PERM/INST.

AC 407 INTERNAL AUDITING (3-0-3)(F). A specialized course dealing with internal auditing as a profession. Topics include ethics, internal control, operational auditing, fraud, and forensic auditing. The class uses a case approach and includes a project with local internal audit departments. PREREQ: AC 306 and AC 350.

AC 430 INTERNATIONAL ACCOUNTING (3-0-3)(F). This course discusses the management control problems and practices in multinational organizations. Performance and cost measurements of foreign corporations are compared to U. S. measurements. Two key problems unique to foreign operations, transfer pricing and exchange rates, are discussed in detail. The impact of taxation, government regulations, tariffs, social and economic factors on decision making are also examined. PREREQ: AC 205 or PERM/INST.

AC 440-440G ACCOUNTING THEORY (3-0-3)(F/S). This course covers measurement theory and its implications for asset valuation and income determination. Specialized study of revenue recognition, accounting for changing prices, and basic financial analysis. Emphasizes development of analytical and written communication skills. Computer applications are also used throughout the course. PREREQ: AC 306.

AC 450 ELECTRONIC DATA PROCESSING (EDP) AUDITING (3-0-3). This course covers the theory and application of auditing in an EDP environment. Course coverage emphasizes the evaluation of internal controls in an EDP environment. Topics include administrative and organizational controls, documentation and security controls, application controls related to batch and on-line input, and computer-assisted techniques. Assignments are both textbook related and projects (some computerized). PREREQ: AC 350.

AC 451 MANAGERIAL ACCOUNTING (3-0-3)(F/S). Development and use of accounting information in management planning, control, and decision processes. Topics include operations and capital budgeting, computer applications, and analytical methods such as gross profit, break-even, and incremental cost analysis. PREREQ: AC 351 and PR 345.

AC 465 ADVANCED ACCOUNTING (3-0-3)(F/S). Topics include financial reporting for state and local governments and other not-for-profit organizations, accounting for partnerships, business combinations, consolidated financial statements, and foreign currency transactions. PREREQ: AC 306.

AC 480 SELECTED ACCOUNTING TOPICS (3-0-3). Current accounting topics and issues are investigated in this class. PREREQ: PERM/INST.

Interdisciplinary Studies in Aging

Education Building, Room 716 Telephone 208 385-1780
http://www.idbsu.edu/socwork Fax Telephone 208 385-4291

Coordinator: Doug Yunker, M.S.W. e-mail: dyunker@bsu.idbsu.edu

Students have the opportunity to earn a minor in gerontology through a structured, upper-division, interdisciplinary studies program administered by the School of Social Work. Courses provide students from any major an opportunity to become knowledgeable about the biological, psychological, and sociological aspects of the aging process. Additionally, required course work furnishes students with an excellent understanding of health and aging, as well as an understanding of the social welfare policy and programs related to the older person.

Gerontology Minor

Course Number and Title	Credits
*B 100 Concepts of Biology **OR** Z 107 Concepts of Human Anatomy and Physiology **OR** *Z 111-112 Human Anatomy and Physiology	4-8
B 300 Biology of Aging	3
H 410 Health and Aging	3
*P 101 General Psychology P 313 Psychology of Aging	3 3
*SO 101 Introduction to Sociology SO 325 Sociology of Aging	3 3
SW 433 Aging: Social Policy and Programs	3
Practicum in major field of study	5
Interdisciplinary Studies in Aging Seminar	1
Total	31-35

* These lower-division required courses meet core requirements.

Alcohol and Drug Studies Minor — See Department of Health Studies

American Government — See Department of Political Science

Department of Anthropology

Hemingway Western Studies Center, Room 55 Telephone 208 385-3023
e-mail: fbrigha@sspafac.idbsu.edu Fax 208 385-4329

Chair and Associate Professor: T. Virginia Cox. *Professor:* Pavesic, Plew. *Assistant Professor*: McCarl. *Adjunct Assistant Professor:* Yohe. *Special Lecturers:* Derbidge, House, Klikunas.

Degrees Offered

- B.A. and Minor in Anthropology
- B.A. in Anthropology, Social Science, Secondary Education
- Minor in Native American Studies

Department Statement

The department of anthropology is central to the mandate by the State Board of Education that Boise State be the lead institution in social sciences and public affairs. Our role in this mandate is reflected in the dedication of the faculty to the creation of an intellectual environment crucial to the development of skills for critical analysis, problem solving, understanding and explaining cultural diversity, and to a full participation in public affairs. The department of anthropology offers two baccalaureate degree programs and a minor for teaching certification. The department also offers a liberal arts minor and a Native American studies minor and participates in the Canadian Studies program.

Anthropology
Bachelor of Arts
Liberal Arts Option

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
AN 101 Physical Anthropology	3
AN 103 Introduction to Archaeology	3
Area II core course in history	3
Area I core course in a third field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
Foreign language (one year)	8
AN 102 Cultural Anthropology	3
AN 401 History of Anthropology	3
Group I courses selected from the following: AN 325 Human Variation AN 409 Educational Anthropology AN 411 Language, Culture, and Society AN 425 Medical Anthropology AN 428 Urban Anthropology AN 430 Applied Anthropology Socio-Cultural courses	9
Group II courses selected from the following: AN 305 Peoples of the Pacific Islands AN 307 Indians of North America AN 308 Indians of South America AN 310 Japanese Culture and Society AN 311 Peoples and Cultures of the World AN 315 Indian Peoples of Idaho Ethnography courses	9

— continued —

Anthropology (continued)

Group III courses selected from the following: AN 300 African Prehistory AN 302 European Prehistory AN 312 Archaeology of North America AN 313 Archaeology of South America AN 319 Archaeology of Mesoamerica AN 421 Seminar in Archaeology	9
SO 210 Computer Application in Social Science SO 310 Elementary Social Statistics or equivalent	3 4
Upper-division electives to total 40 credits Recommended elective: LI 305 Introduction to Linguistics.	6
Electives to total 128 credits	32
Total	128

The social science, secondary education emphasis programs are cooperative, multidisciplinary programs involving the departments of economics, history, political science, sociology, and anthropology. Each of these departments, except history, provides a major emphasis with the social science, secondary education emphasis. Students choosing this emphasis must:

1. complete a minimum of 39 credits in anthropology
2. complete a minimum of 21 credits in one of the above departments (other than anthropology) to satisfy graduation requirements. See the department listings for each of these departments for additional information.
3. complete six credits in U.S. history and three credits of American national government for certification requirements

Anthropology, Social Science
Secondary Education Emphasis
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II	
AN 101 Physical Anthropology	3
HY 151 U.S. History	3
HY 152 U.S. History	3
PO 101 America National Government	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
AN 102 Cultural Anthropology	3
AN 103 Introduction to Archaeology	3
AN 209 Issues in Cultural Diversity	3
AN 311 People and Culture of the World	3
AN 401 History of Anthropology	3
AN 430 Applied Anthropology	3
Group I courses selected from the following: AN 325 Human Variation AN 409 Educational Anthropology AN 411 Language, Culture, and Society AN 425 Medical Anthropology Socio-Cultural courses	6

— continued —

Anthropology, Social Science, Secondary Education (continued)	
Group II courses selected from the following: AN 305 Peoples of the Pacific Islands AN 307 Indians of North America AN 308 Indians of South America AN 310 Japanese Culture and Society AN 315 Indian Peoples of Idaho Ethnography courses	6
Group III courses selected from the following: AN 300 African Prehistory AN 302 European Prehistory AN 312 Archaeology of North America AN 313 Archaeology of South America AN 319 Archaeology of Mesoamerica AN 421 Seminar in Archaeology	6
Social science field other than Anthropology	21
TE 172 Intro to Secondary Teaching: Classroom Observation TE 201 Foundations of Education TE 208 Educational Technology – Classroom Applications TE 225 Educational Psychology TE 333 Educating Exceptional Secondary-Age Students TE 381 Secondary School Methods TE 385 Secondary School Social Studies Methods TE 407 Content Literacy for Secondary Students with Diverse Learning Needs Student Teaching	1 3 3 3 1 3 3 3 10-16
Total	128-134
NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See "Teacher Education" for more information.	

Anthropology Minor
Liberal Arts Option

Course Number and Title	Credits
AN 101 Physical Anthropology AN 102 Cultural Anthropology AN 103 Introduction to Archaeology AN 311 Peoples and Cultures of the World	3 3 3 3
Upper-division anthropology courses	9
Total	21

Anthropology, Social Science,
Secondary Education Minor Option

Course Number and Title	Credits
AN 102 Cultural Anthropology AN 103 Introduction to Archaeology	3 3
Upper-division anthropology courses	15
Total	21

Native American Studies Minor

Course Number and Title	Credits
AN 102 Cultural Anthropology AN 307 Indians of North America AN 308 Indians of South America AN 315 Indian Peoples of Idaho	3 3 3 3
AN 312 Archaeology of North America **OR** AN 313 Archaeology of South America **OR** AN 319 Archaeology of Mesoamerica	3
HY 356 The Indian in U S History **OR** Upper-division anthropology courses **OR** Native America content course from other disciplines	6
Total	21

Course Offerings

See page 53 for a definition of the course-numbering system.

AN ANTHROPOLOGY

Lower Division

AN 101 PHYSICAL ANTHROPOLOGY (3-0-3)(Area II)[ANTH 101]. An introduction to the fossil evidence for human evolution, genetics, modern human variation, the study of living primates, and the relationship between biology and culture.

AN 102 CULTURAL ANTHROPOLOGY (3-0-3)(Area II)[ANTH 102]. An introduction to the descriptions, analysis, and explanations of the different ways of life, or cultures, through which human groups have adapted to their environments. An explanation of the nature and characteristic of culture as an adaptive mechanism for human survival.

AN 103 INTRODUCTION TO ARCHAEOLOGY (3-0-3)(F/S)(Area II). An introduction to the historic background and basic techniques of anthropological archaeology. The methods and theory used to reconstruct prehistoric cultures, their environmental settings, activities, and histories.

AN 209 ISSUES IN CULTURAL DIVERSITY (3-0-3)(F/S). This course is designed to provide the introductory student with the skills necessary to recognize and analyze issues of cultural diversity, using basic anthropological strategies. The course will approach cultural diversity from the local and global perspective and will study issues of concern about cultural ecology, cultural pluralism, cross-cultural communication, human reproduction, family life and organization, religion, and art. PREREQ: AN 102 or PERM/INST.

Upper Division

AN 300 AFRICAN PREHISTORY (3-0-3)(F/S)(Odd years). A survey of the archaeology of Africa, beginning with a discussion of Hominid origins and evolution. Emphasis upon culture history with reference to Oldowan, Acheulian and Mousterian culture, the Later Prehistory, and the Iron Age. Environmental adaptations, origins of food production, and social complexity will be discussed.

AN 302 EUROPEAN PREHISTORY (3-0-3)(F/S)(Even years). A survey of pre-historic European cultures and peoples from the earliest Stone Age evidence through the Iron Age. Special emphasis will be given to ancient technology, economics, demography, art, and social organization. PREREQ: AN 103 or upper-division status.

AN 305 PEOPLES OF THE PACIFIC ISLANDS (3-0-3)(F/S)(Alternate years). A survey of the ethnographic area Oceania. Will include a study of the ethnographic data from the islands of Polynesia, Melanesia, and Micronesia, from original settlement to present time. PREREQ: Upper-division status or PERM/INST.

AN 307 INDIANS OF NORTH AMERICA (3-0-3)(F/S). An ethnographic survey of the native peoples of North America, emphasizing cultural diversity and adaptation. Ethnographic data will cover the time span from the settling of North America to the present. PREREQ: Upper-division status or PERM/INST.

AN 308 INDIANS OF SOUTH AMERICA (3-0-3)(F/S). A survey and analysis of native South American cultures, emphasizing cultural-environmental adaptations and historical events affecting the acculturation of the region's native peoples. PREREQ: AN 102, upper-division status, or PERM/INST.

AN 310 JAPANESE CULTURE AND SOCIETY (3-0-3)(F/S)(Alternate years). An introduction to the structure and substance of Japanese culture. An investigation into the development of Japanese culture from prehistory to present, the development of the Japanese world view, cultural patterns, beliefs, behaviors, values, and norms that are reflected in Japanese culture today.

AN 311 PEOPLES AND CULTURES OF THE WORLD (3-0-3)(F/S). An ethnographic survey of selected cultures, with emphasis on cultural diversity, cultural adaptation, and historical development. PREREQ: Upper-division status or PERM/INST.

AN 312 ARCHAEOLOGY OF NORTH AMERICA (3-0-3)(F/S). A survey of prehistoric cultures of North America north of Mexico. The course includes a history of ideas about native America origins and antiquities, along with demonstrating regional societal complexity on the continent. Special emphasis is given to the study of early man and the cultures of the Eastern Woodlands, the America Southwest, and the intermountain West. PREREQ: Upper-division status or PERM/INST.

AN 313 ARCHAEOLOGY OF SOUTH AMERICA (3-0-3)(F/S)(Even years). A comprehensive survey of the culture history of South America, from the earliest Paleo-Indians to the Peruvian high cultures. Emphasis is placed on regional chronologies, environmental adaptations, origins of America agriculture, social complexity, and culture change. PREREQ: AN 103, upper-division status, or PERM/INST

AN 315 INDIAN PEOPLES OF IDAHO (3-0-3)(F/S). A study of the pre-historic and recent cultures of the native peoples of Idaho. Topics will include the interpretation of ancient Idaho cultures, the distinctiveness of the recent tribal groupings, and the relationship between past and present Idaho societies to those of the Great Basin, Interior Plateau and Northern Plains. PREREQ: Upper-division status or PERM/INST.

AN 319 ARCHAEOLOGY OF MESOAMERICA (3-0-3)(F/S)(Even years). A survey of pre-Columbian cultures of Central America, with an emphasis on Mexico. Special focus on the transition from Pre-Classic to Classic civilization, with consideration of the Maya and Aztec. PREREQ: AN 103, upper-division status, or PERM/INST.

AN 325 HUMAN VARIATION (3-0-3)(F/S)(Alternate years). An examination of human evolution during the past 5 million years, with emphasis on evolutionary theory and both the human fossil record and present patterns of variability among humans. PREREQ: AN 101 or 102, upper-division status, or PERM/INST

AN 401 HISTORY OF ANTHROPOLOGY (3-0-3)(F/S). An historical investigation of scientific events leading to the development of the basic concepts, theory, and methods of contemporary anthropology. Major anthropological contributions by A. L. Kroeber, Margaret Mead, Franz Boas, Julian Steward, B. Malinowski, and others will be used as reference points for presented materials and classroom discussions. PREREQ: AN 102, upper-division status, or PERM/INST.

AN 409 EDUCATIONAL ANTHROPOLOGY (3-0-3)(F/S). An examination of cultural transmission and the cultural aspects of educational processes and institutions. Will include a review of the application of anthropological methods and theories to formal and informal education in traditional and modern cultures. PREREQ: AN 102, upper-division status, or PERM/INST.

AN 411 (LI 411) LANGUAGE, CULTURE AND SOCIETY (3-0-3)(S)(Alternate years). (Cross-listed LI 411). The course provides an introduction to the nature of the relationships among language, culture, and society. Major topics explored are language and thought; conversational theory; the ethnography of communication; language change; language variation; speech communities; pidgins and creoles; diglossia, code switching and mixing, and solidarity and politeness. Several languages are examined in specific social and cultural contexts. LI 305 or a foreign language recommended. This course may be taken for LI or AN credit, but not both.

AN 421 SEMINAR IN ARCHAEOLOGY (3-0-3)(S)(Alternate years). A survey of the philosophical and theoretical foundations of archaeology. Includes developments in methodology and technical advances as applied to archaeological research. PREREQ: AN 103, upper-division status, or PERM/INST.

AN 425 MEDICAL ANTHROPOLOGY: DISEASE, CULTURE, AND HEALING (3-0-3)(F/S). This course introduces the student to the dynamic relationship that exists between health and culture. Topics include epidemiology, medical ecology, nutrition, ethnomedicine, the social meaning of illness, medical and cultural change, and alternative health models. Emphasis will be on a cross-cultural approach. Ethnographic data will be provided from cultures around the world.

AN 428 URBAN ANTHROPOLOGY (3-0-3)(F/S)(Alternate years). This course examines the varieties of cultural experiences within urban settings. The course will include cross-cultural comparisons of urban cultures, with a focus on such topics as population pressure and cultural changes; ethnic and occupational uses of urban space; and understanding the built environment and its reflection of cultural values.

AN 430 APPLIED ANTHROPOLOGY (3-0-3)(F/S). An examination of the use of anthropology to solve human problems. How applied anthropologists use the knowledge, skills, and perspective of their discipline to help solve human problems and facilitate change. The relationship between theory and application is stressed and the use of anthropology in nonacademic settings. PREREQ: AN 102, Upper-division status, or PERM/INST.

AN 490 ARCHAEOLOGY FIELD SCHOOL (1-20-6)(SU). Six weeks on-site field training in the archaeological techniques of site reconnaissance and excavation. Focus will be placed on the observation, recording, and recovery of field data. Instruction includes preliminary laboratory processing and artifact analysis. PREREQ: PERM/INST. Special fee required for room and board.

AN 495 SENIOR THESIS (0-6-3)(F/S). The course is designed to provide the student an opportunity to write a formal research paper drawing on primary sources and appropriate secondary materials. A research proposal will be submitted to a supervising faculty member and approved by the chair during the semester prior to initiation of the project. The research paper will be read by two faculty members. Recommended for students planning graduate studies.

Department of Art

Liberal Arts Building, Room 252 Telephone 208 385-1230

Chair and Professor: Gary Rosine. *Professors:* Blankenship, Douglass, Hanlon, Heap, Huff, Killmaster, Kober, Roberts, Shurtleff-Young, Smith, Stieglitz, Taye, Taylor. *Associate Professors:* Benson, Hoopes, Miller. *Assistant Professors:* Bacon, Budde, Micco, Rainey, Turner, Winward, Young. *Visiting Professor:* Machacek.

Degrees Offered

- B.A., B.F.A., and Minor in General Art
- B.A. and B.F.A. in Art Education 6-12
- B.A. and B.F.A. in Art Education K-12
- B.A. and B.F.A. in Graphic Design
- B.F.A. in Illustration
- Pre-Architecture
- M.A. Education, Art Emphasis (See the *BSU Graduate Catalog.*)
- M.F.A. in Visual Arts (See the *BSU Graduate Catalog.*)

Degree Requirements

General Art
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third (May use AR 105 to satisfy this requirement)	*
Area I core course in any field (May use AR 106 to satisfy this requirement)	*
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
AR 105, 106 Basic Design	6
AR 111, 112 Drawing (plus 2 credits)	6
AR 113, 114, 217, 218 Painting and/or Watercolor	6
AR 209 Introduction to Printmaking	3
AR 221 Art Metals	3
AR 225 Ceramics	3
AR 231 Sculpture	3
AR 410 Senior Show (not required of art history majors)	1
AR 498 Senior Seminar	3
Art history courses (Advisable to take 3 credits at upper-division level.)	9
A minimum of 14 credit hours in one of the following areas of emphasis: art history, art metals, ceramics, drawing, painting/ watercolor, photography, printmaking, sculpture. Required courses count toward this 14-credit total. If your emphasis is art history, for example, then the required 9 credits in art history (noted above) would count toward this 14-credit total.	5-14
Upper-division electives to total 40 credits Credits from all 300- and 400-level courses, whether elective or required, are applicable. The number in the right-hand column is the average number of additional upper-division credits that will be required beyond those automatically accumulated in satisfying the general art and area of emphasis requirements.	24-36
Electives to total 128 credits The number in the right-hand column is the approximate number of elective credits remaining that can be taken at either the upper- or lower-division levels. *If AR 105 and 106 are not used to satisfy Area I requirements the electives available will be reduced by 6 credits.	8-11
Total	128

To purse a B.F.A. degree in general art, you must obtain departmental approval during your junior year. You must also maintain a 3.0 grade-point average in your core courses and in your art courses, figured separately.

General Art
Bachelor of Fine Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core courses in literature	6
Area I core course chosen from HU 207, 208, MU 133, PY 101, 221, TA 107, and Foreign Language 201, 202	3
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core courses	8
AR 105 106 Basic Design	6
AR 209 Introduction to Printmaking	3
AR 410 Senior Show (not required of art history majors)	1
AR 498 Senior Seminar	3
Painting	8
Drawing	8
Art history (advisable to take minimum 6 credits at upper division level)	12
Watercolor	4
Sculpture	3
Ceramics	3
Art metals	3
Additional credits in art (advisable to take 9-12 of these credits at the upper-division level). Some or all of these credits will go towards the completion of the Area of Emphasis Requirement. Area of Emphasis: 14 to 20 credits in one discipline. Students emphasizing painting/watercolor or drawing must complete a minimum of 20 credits. Students emphasizing art history, art metals, ceramics, photography, printmaking, or sculpture must complete 14. Required courses count towards the area of emphasis. Eg: The 12 credits required in painting/ watercolor can be applied to the 20 credit total.	13-14
Upper-division electives to total 40 credits Credits from all 300- and 400-level courses, whether elective or required, are applicable. The number in the right-hand column is the average number of additional upper-division credits that will be required beyond those typically accumulated in satisfying the general art and area of emphasis requirement.	18-22
Electives to total 128 credits The number in the right-hand column is the approximate number of elective credits remaining that can be taken at either the upper- or lower-division levels.	7-11
Total	128

Art Education
K-12 OR 6-12
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field (Advisable to use AR 105 to satisfy this requirement)	*
Area I core course in any field (Advisable to use AR 106 to satisfy this requirement)	*
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
AR 105, 106 Basic Design	6
AR 123 Crafts	2
AR 209 Introduction to Printmaking	3
AR 322 Elementary School Art Methods for Art Education Majors	4
AR 351 Art Methods in Secondary Schools	4
AR 410 Senior Show	1
AR 498 Senior Seminar	3
Painting	4
Watercolor	4
Drawing	6
Art history	9
Ceramics	3
Sculpture	3
TE 201 Foundations of Education	3
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 or TE 291 Educating Exceptional Secondary Student	1-3
TE 381 Secondary School Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
K-12 Option	
TE 477 Elementary Student Teaching - Speciality Area	16
TE 482 Junior High School Student Teaching **OR**	
TE 483 Senior High School Student Teaching	
6-12 Option	
TE 482 Junior High School Student Teaching	
TE 483 Senior High School Student Teaching	
NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See "Teacher Education" for more information.	
Upper-division electives to total 40 credits Credits from all 300- and 400- level courses, whether elective or required, are applicable. The number in the right-hand column is the average number of additional upper-division credits that will be required beyond those automatically accumulated in obtaining the B.A. in art education.	3-5
Electives to total 128 credits The number in the right-hand column is the approximate number of elective credits remaining that can be taken at either the upper- or lower-division levels. *If AR 105 and 106 are not used to satisfy Area I requirements the electives available will be reduced by 6 credits.	3-6
Total	128

To purse a B.F.A. degree in art education, you must obtain your advisor's approval during your junior year. You must maintain a 3.0 grade-point average in your core courses and in your art courses, figured separately.

Art Education K-12 OR 6-12 Bachelor of Fine Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core courses in literature	6
Area I core course chosen from HU 207, 208, MU 133, PY 101, 221, TA 107, and Foreign Language 201, 202	3
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core courses	8
AR 105, 106 Basic Design	6
AR 123 Crafts	2
AR 209 Introduction to Printmaking	3
AR 322 Elementary School Art Methods for Art Education Majors	4
AR 351 Art Methods in Secondary Schools	4
AR 410 Senior Show (not required of students emphasizing art history)	1
AR 498 Senior Seminar	3
Painting	6
Watercolor	4
Drawing	8
Art history (advisable to take 3 credits at upper division level)	9
Ceramics	3
Sculpture	3
Area of Emphasis Requirement: 14 to 20 credits in one art discipline. Students emphasizing painting/watercolor or drawing must complete a minimum of 20 credits. Student emphasizing art history, art metals, ceramics, photography, printmaking, or sculpture must complete a minimum of 14 credits. Required courses count towards the area of emphasis. Eg: The 8 credits required in painting/watercolor can be applied to the 20 credit total.	5-14
TE 201 Foundations of Education	3
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 or TE 291 Educating Exceptional Secondary Student	1-3
TE 381 Secondary School Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
K-12 Option	
TE 477 Elementary Student Teaching - Speciality Area	16
TE 482 Junior High School Student Teaching **OR**	
TE 483 Senior High School Student Teaching	
6-12 Option	
TE 482 Junior High School Student Teaching	
TE 483 Senior High School Student Teaching	
NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See "Teacher Education" for more information.	
Upper-division electives to total 40 credits. Credits from all 300- and 400-level courses, whether elective or required, are applicable. The number in the right-hand column is the average number of additional upper-division credits that will be required beyond those automatically accumulated in obtaining the B.F.A. in art education.	0-2
Electives to total 128-135 credits. The number in the right-hand column is the average number of elective credits remaining that can be taken at either the upper- or lower-division levels.	0-5
Total	128-135

Minimum Criteria for Upper-Division Admission in Graphic Design

The major in graphic design requires admission to upper-division standing in graphic design by application to the art department. The upper-division program begins with AR 388. Before applying to upper division in graphic design, students pursuing the B.A. and B.F.A. are required to meet the following criteria:

1. Admission to BSU.
2. Successful completion of these courses: AR 105-106 Basic Design, AR 111-112 Drawing, AR 117 Typography and Letterforms, AR 118 Typography and Layout, AR 201-202 Survey of Western Art, AR 203 Graphic Design I, and AR 333 Computer I: Text and Image.
3. Completion of 50 hours of course work (includes courses in progress).
4. Cumulative GPA of 2.5, art GPA of 3.0.

Your application for upper-division standing must include the following:

1. A letter of application and a copy of your transcript, submitted by March 1.
2. A portfolio that meets the criteria and requirements for admittance into the upper-division program in graphic design. You should submit selected works drawn primarily from AR 117, 118, 203, and 333. Because upper-division space is limited, your portfolio will be ranked with the others submitted. For you to be admitted to upper-division standing, your portfolio must receive a grade of 'B' or better in the Portfolio Review.
3. An essay of 500–1000 words, reflecting your observations and insights relevant to questions in art and design. Language skills and originality will be evaluated.

No later than the first day of classroom instruction in March, you must submit these to a designated representative of the program in graphic design.

Graphic Design Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field	*
Area I core course in any field	*
AR 105 and AR 106 can be used to satisfy 6 credits of Area I; however, an Area I course from an area outside of Art is recommended.	
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
AR 105, 106 Basic Design	6
AR 111, 112 Drawing	4
AR 117 Typography and Letterforms	3
AR 118 Typography and Layout	3
AR 201, 202 Survey of Western Art	6
AR 203, 204, 388, 488 Graphic Design	12
AR 211 Anatomy	2
AR 251 Intro to Creative Photography. AR 251 must be taken by the end of the sophomore year.	3
AR 333 Computer I: Text and Image	4
AR 361 Illustration I	3
AR 400 History of Visual Rhetoric	3
AR 489 Senior Research for Graphic Designers	2
AR 498 Senior Seminar	3

— continued —

Graphic Design, Bachelor of Arts (continued)	
100- level or higher sequence in modern language	8
Upper-division electives to total 40 credits Credits from all 300- and 400-level courses, whether elective or required, are applicable. The number in the right-hand column is the average number of additional upper-division credits that will be required beyond those automatically accumulated in obtaining the B.A. in graphic design.	19
Electives to total 133 credits The number in the right-hand column is the average number of elective credits remaining that can be taken at either the upper- or lower-division levels. *If AR 105 and AR 106 are used to satisfy the Area I requirements, the average total number of electives available will be 16. If disciplines outside of Art are used the average number of elective credits will be 10.	16
Total	133

To pursue a B.F.A. degree in graphic design, you must obtain departmental approval during your junior year. You must also maintain a 3.0 grade-point average in your core courses and in your art courses, figured separately.

Graphic Design
Bachelor of Fine Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core courses in literature	6
Area I core course chosen from HU 207, 208, MU 133, PY 101, 221, TA 107, and Foreign Language 201, 202	3
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core courses	8
AR 105, 106 Basic Design	6
AR 111, 112 Drawing	4
AR 117 Typography and Letterforms	3
AR 118 Typography and Layout	3
AR 201, 202 Survey of Western Art	6
AR 203, 204, 388, 488 Graphic Design	12
AR 211 Anatomy	2
AR 251 Intro to Creative Photography AR 251 must be taken by the end of the sophomore year.	3
AR 305 Visual Design	3
AR 333 Computer I: Text and Image	4
AR 341 or 344 Creative Photography **OR** TA 215 Acting I	3
AR 361 Illustration I	3
AR 400 History of Visual Rhetoric	3
AR 410 Senior Show	1
AR 483 Computer Graphics for Graphic Designers	2
AR 489 Senior Research for Graphic Designers	2
AR 498 Senior Seminar	3
Art history (advisable to take at the upper division level)	3
Sculpture, ceramics, art metals	3
100-level modern language	8
Upper-division electives to total 40 credits Credits from all 300- and 400-level courses, whether elective or required, are applicable. The number in the right-hand column is the average number of additional upper-division credits that will be required beyond those automatically accumulated in obtaining the B.F.A. in graphic design.	7-10
Electives to total 132 credits The number in the right-hand column is the average number of elective credits remaining that can be taken at either the upper- or lower-division levels.	13-16
Total	132

Minimum Criteria for Upper-Division Admission in Illustration

The major in illustration requires admission to upper-division standing by special application to the art department. All prospective illustration majors are therefore required to meet the following minimum criteria for upper-division admission before applying to upper-division:

1. Admission to BSU.
2. Successful completion of the following courses (or equivalent courses): AR 105-106 Basic Design, AR 111-112-211-212 Drawing, AR 113-114 Painting, AR 361 Illustration 1, AR 118 Typography and Layout, and AR 201-202 Survey Western Art.
3. GPA of 3.0 in both art and core courses, figured separately.
4. Completion of at least 50 credit hours, including courses in progress.
5. Submission of a portfolio that meets the criteria and requirements for admittance into the upper-division program. The primary focus of the portfolio is to be illustration/painting/drawing.
6. Submission of a 500–1000 word essay that reflects your insights regarding the major.
7. Application with transcript, essay, and portfolio by October 1 for spring semester and March 1 for fall semester.

Illustration
Bachelor of Fine Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core courses in literature	6
Area I core course chosen from HU 207, 208, MU 133, PY 101, 221, TA 107, and Foreign Language 201, 202	3
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core courses	8
AR 105, 106 Basic Design	6
AR 111, 112, 211, 212 Drawing	8
AR 113, 114 Painting	4
AR 118 Typography and Layout	3
AR 201, 202 Survey of Western Art	6
AR 209 Introduction to Printmaking	3
AR 217 Watercolor	2
AR 219 Figure Painting **OR** AR 319 Portrait Painting	3
AR 251 Introduction to Creative Photography	3
AR 305 Visual Design	3
AR 361, 362, 461, 462 Illustration	12
AR 410 Senior Show	1
AR 465 Senior Project in Illustration	3
AR 498 Senior Seminar	3
Art history (advisable to take minimum 3 credits at upper division level)	6
Sculpture, ceramics, or metals	3
Upper-division electives to total 40 credits Credits from all 300- and 400-level courses, whether elective or required, are applicable. The number in the right-hand column is the average number of additional upper-division credits that will be required beyond those automatically accumulated in obtaining the B.F.A. in illustration.	12-15
Electives to total 128 credits The number in the right-hand column is the average number of elective credits remaining that can be taken at either the upper- or lower-division levels.	13-16
Total	128

Art Minor	
Course Number and Title	**Credits**
AR 105 Basic Design AR 111 Drawing AR 113 Painting AR 201, 202 Survey of Western Art	3 2 2 6
Ceramics, metals, or sculpture	3
Upper-division art course	3
Art course	3
Total	22

Pre-Architectural Program

Boise State University offers courses that can be used for a 2 to 2 1/2 year pre-architectural program. This program is preparatory and should be transferable to most architectural schools. Some universities offer a degree in architectural engineering. If you are interested in this type of degree, you should follow the civil option under the engineering curriculum.

Pre-Architectural Program	
Course Number and Title	**Credits**
E 101, 102 English Composition	6
AR 201 Survey of Western Art **OR** AR 202 Survey of Western Art **OR** AR 103 Introduction to Art AR 105, 106 Basic Design	3 6
M 111 Algebra and Trigonometry M 204 Calculus and Analytic Geometry PH 101 General Physics	5 5 4
Area I, II, or III core course	3
AR 111, 112 Drawing AR 131 Interior Decoration (Optional) AR 156 Architectural Graphic Communication AR 255 Advanced Architectural Graphics AR 256 Basic Architectural Design AR 270 History of American Architecture AR 271 History of Modern American Architecture AR 290 Materials and Methods of Architecture	4 2 3 3 3 3 3 3
DT 109 Fund of Computer-Aided Drafting and Design **OR** EN 124 Digital Computer Programming	2-3
Art courses	2-3
Total	60-62
NOTE: University core classes may be used in place of optional courses in the program, or to extend the time you take courses at Boise State University.	

Course Offerings

See page 53 for a definition of the course-numbering system.

AR ART

The Art Department reserves the right to withhold selected student work for the Permanent Collections. Certain art courses are subject to a lab fee. Several courses may be "repeated" for credit. This should be interpreted, "taken again" for credit, not to raise a D or F grade.

Lower Division

AR 100 BASIC DRAWING AND PAINTING FOR NONART MAJORS (0-4-2)(F/S). One-semester course with emphasis on media, techniques, and philosophy, designed to acquaint the general college student with the basic fundamentals of drawing and painting.

AR 103 INTRODUCTION TO ART (3-0-3)(F/S)(Area I)[ART 100] . A one-semester course designed to acquaint the general college student with the aesthetics of painting, sculpture, architecture, and related art forms.

AR 105 BASIC DESIGN (2-2-3)(Area I). A two-dimensional, theoretical, and applied study of the basic design elements underlying all art areas.

AR 106 BASIC DESIGN (2-4-3)(Area I). An exploration of three-dimensional design elements. Emphasis on the theoretical and applied study of the structural organization underlying three-dimensional art forms. PREREQ: AR 105 or PERM/INST.

AR 107 LETTERING (0-4-2)(F/S). A study of lettering techniques and various alphabetical forms. Emphasis upon modern styles, spacing, and layout.

AR 111 DRAWING (0-4-2)(F/S). A study of line, chiaroscuro, space, volume, and perspective, utilizing a variety of media. Still life, landscape, plant, animals, and other subject matter may be used. Limited enrollment spring semester.

AR 112 DRAWING (0-4-2)(F/S). Continuation of AR 111, with an emphasis on more advanced drawing problems. Compositional, imaginative, or semi-abstract work may be done, utilizing a variety of subject matter, including some figure drawing. PREREQ: AR 111.

AR 113 PAINTING (0-4-2). Study of basic techniques of painting in oil, acrylic, or other media as determined by instructor. Students will learn to represent form and space through study of value relationships and through use of monochromatic color. Still life and other subject matter will be used. Advisable to take AR 111 Drawing concurrently with AR 113. Limited enrollment spring semester.

AR 114 PAINTING (0-4-2)(F/S). A continuation of AR 113 problems with increased emphasis on color, composition, and contemporary concepts in painting. A variety of subject matter will be painted in oil, acrylic, or other media. Advisable to take AR 113 prior to AR 114. Limited enrollment fall semester.

AR 115 LANDSCAPE PAINTING (0-6-3)(SU). Various styles and techniques in landscape painting in oil, watercolor, and related media. Field trips. First summer session.

AR 116 LANDSCAPE PAINTING (0-6-3)(SU). (Description same as AR 115 above.) Second summer session.

AR 117 TYPOGRAPHY AND LETTERFORMS (0-6-3)(F/S). Distinguishing and evaluating the formal and evocative qualities of type as the sole design element in a composition. The communicative potential of type as a design element will be discovered through assignments which are primarily experimental in nature. Students are advised to take AR 105 before or concurrent with AR 117.

AR 118 TYPOGRAPHY AND LAYOUT (2-2-3). A study of typography as a design element and communicative tool as used by the graphic designer. Layout and an introduction to the systems used for organizing type will be covered. PREREQ: AR 117 or PERM/INST.

AR 123 CRAFTS (0-4-2)(F/S). Lectures will be in the nature of crafts, the design principles, craftsmanship, and creativity. Several areas of crafts applicable to the public school classroom will be introduced. Simple crafts, leather work, mosaic, ceramic tile construction, batik, tie and dye, creative stitchery, enameling, macrame, simple ceramic work, sheet plastic, and others may be assigned. The proper use of hand tools and their safety will be stressed. This course is open to nonart majors.

AR 131 INTERIOR DESIGN (2-1-2)(F/S). Aid in understanding and appreciating interior design. The most basic components of home decorating will be studied. These include color, wallpaper, fabrics, carpet, and furniture.

AR 156 ARCHITECTURAL GRAPHIC COMMUNICATION (1-4-3)(S). Introduction to the process of architectural graphic communication; to explore graphics through projects and lectures.

AR 201 SURVEY OF WESTERN ART I (3-0-3)(F)(Area I)[ART 101]. An historical survey of painting, sculpture, and architecture from prehistoric art through the Middle Ages.

AR 202 SURVEY OF WESTERN ART II (3-0-3)(S)(Area I)[ART 102]. An historical survey of painting, sculpture, and architecture from the Renaissance to the present.

AR 203 GRAPHIC DESIGN I (2-2-3)(F). Introductory course to the field of graphic design. Emphasis on methods, materials, computer typesetting, and problem-solving methodology. Developing a sensitivity to typography and its diverse applications is stressed. PREREQ: AR 118.

AR 204 GRAPHIC DESIGN II (2-2-3)(S). Continued work in typography, organizational graphics, the role of illustration, and a conceptual approach to graphic design. Use of the computer is integrated within the course. Traditional methods and materials also covered. PREREQ: AR 203.

AR 208 WEAVING (0-4-2)(F/S)(Taught intermittently). Skills and techniques in four-harness loom weaving, off-loom weaving, and tapestry weaving will be emphasized through construction and study of traditional and contemporary fiber arts.

AR 209 INTRODUCTION TO PRINTMAKING (0-6-3)(F/S). Introduction to historical and contemporary printmaking media and techniques and their creative potential. Advisable to have some experience in drawing and design.

AR 210 PRINTMAKING (0-6-3)(F/S). This course is designed to be a transitional class between the introduction to printmaking AR 209 and the advanced class, AR 309. Emphasis will be placed on the use of the techniques to accommodate one's own personal statement while utilizing sound design practices.

AR 211 ANATOMY (0-4-2)(F/S). A structural and aesthetic approach to drawing the nude, emphasizing bone, muscle, and surface anatomy of the figure. Model fee. PREREQ: AR 111-112.

AR 212 LIFE DRAWING (0-4-2)(F/S). Further study from the model with increased emphasis on anatomy, expressive drawing, and composition. Model fee. PREREQ: AR 211.

AR 215 PAINTING (0-4-2)(F/S). More advanced painting problems in realism and abstraction, with some independent work. Oil, acrylic, or other media may be used. May be repeated once for credit. PREREQ: AR 113 and AR 114.

AR 217 PAINTING-WATERCOLOR (0-4-2)(F). Major emphasis will be in the use of transparent watercolor. Work can be outdoors from nature as well as studio work.

AR 218 PAINTING AND WATERCOLOR (0-4-2)(S). Introduction to experimental techniques in the use of opaque waterbase media. Work will be outdoors from nature as well as studio work. Advisable to take AR 217 prior to AR 218.

AR 219 FIGURE PAINTING (0-6-3)(F). Painting from models in realistic or semi-abstract styles based on individual interests. Model fee. May be repeated for credit. Advisable to take AR 114 and AR 212 prior to AR 219. PREREQ: AR 211 or PERM/INST.

AR 221 ART METALS (2-4-3)(F). A creative exploration in design and construction problems. Various materials will be utilized with primary emphasis on jewelry design and metals. Craftsmanship and the care and usage of tools will be stressed.

AR 222 ART METALS (2-4-3)(S). Continued exploration in design and construction work in metal and other media. Fabrication, forming, and casting techniques will be emphasized. PREREQ: AR 221.

AR 225 CERAMICS (2-4-3)(F). An introduction to ceramics technique and materials. Hand building, wheel-throwing, decoration, glazing, and firing instruction will be given. Enrollment is limited.

AR 226 CERAMICS (2-4-3)(S). Continued use of the potter's wheel, molding, and hand building.

AR 231 SCULPTURE (2-4-3)(F). Work in a variety of three-dimensional materials with emphasis on the techniques of carving and modeling.

AR 232 SCULPTURE (2-4-3)(S). Continued work in a variety of three-dimensional materials with emphasis on the techniques of carving, modeling, and mold building.

AR 251 INTRODUCTION TO CREATIVE PHOTOGRAPHY (2-2-3)(F/S). An aesthetic approach to the basic photographic skills of camera operation, film development, and enlargement of negatives. All work in black and white. Adjustable camera required.

AR 252 HISTORY OF PHOTOGRAPHY (3-0-3)(F)(Even years). This course is designed to provide a basic understanding of both the technical and visual history of photography. Through slide presentations, important photographers of the 19th and 20th centuries will be discussed in terms of their role in the development of photography as an art form.

AR 255 ADVANCED ARCHITECTURAL GRAPHICS (1-4-3)(F). Three-dimensional drawing, applying various delineation techniques; preliminary presentation techniques and use of color in graphics.

AR 256 BASIC ARCHITECTURAL DESIGN (1-4-3)(S). Introduction to the process of architectural design. Combines basic architectural projects with presentation techniques learned in AR 156 Architectural Graphic Communication or AR 255 Advanced Architectural Graphics. Advisable to take AR 156 or AR 255 before enrolling in AR 256 Basic Architectural Design.

AR 270 HISTORY OF AMERICAN ARCHITECTURE I (3-0-3)(F). History of early American architecture from developments after Plymouth Rock landing in early 17th century through mid-19th century.

AR 271 HISTORY OF MODERN AMERICAN ARCHITECTURE II (3-0-3)(S). History of modern American architecture from the late 19th century through mid 20th century. Includes introductory review of American architecture from early 17th Century through late 19th century.

AR 290 MATERIALS AND METHODS OF ARCHITECTURE (3-0-3)(F). This course is developed to enable students to identify construction materials, elements, and systems, to locate theoretical and proprietary information about them, and to sketch sections of various construction systems and combinations thereof. At completion, they should be able to select materials based on physical and psychological criteria and design with sensitivity to the appropriate use of various materials.

Upper Division

AR 301-301G NINETEENTH CENTURY ART HISTORY (3-0-3)(F). A study of important artists and movements from Neoclassicism through Post-Impressionism. Critical writing will be assigned.

AR 302-302G HISTORY OF TWENTIETH CENTURY MOVEMENT IN ART (3-0-3)(S). An analysis of important European artistic movements up to World War II, including Fauvism, German Expressionism, Cubism, Futurism, Constructivism, Dada, and Surrealism. Critical writings will be assigned.

AR 305-305G STUDIO IN VISUAL DESIGN (0-6-3)(F/S). Advanced exploration of two-dimensional or three-dimensional design, continuing with problems in line, form, color, texture, and space. Advisable to take AR 105 and AR 106 prior to AR 305.

AR 307-307G STUDIO IN METALSMITHING (0-6-3)(F/S). Advanced study in methods of jewelry making and metalsmithing with special emphasis on raising, die-forming, sheet-forming, and mechanical techniques to further develop personal skills in design and craftsmanship. May be repeated for credit. PREREQ: AR 221 and AR 222.

AR 308 ADVANCED WEAVING (0-6-3)(F/S)(Taught intermittently). Continuing development of skills and techniques in weaving will be emphasized through specialized areas of study such as drafting and designing complex weave structures, block theory, multi-layered and three- dimensional fiber construction, ikat and warp painting, and dyeing with natural and chemical dyes. Repeatable for credit. PREREQ: AR 208 or PERM/INST.

AR 309-309G STUDIO IN PRINTMAKING (0-6-3)(F/S). Advanced printmaking techniques and media. May be repeated once for credit. PREREQ: AR 209.

AR 311-311G ADVANCED DRAWING (0-6-3)(F/S). Structural, interpretive, or compositional study from the model or other subject matter, based on individual interests. Model fee. May be repeated once for credit. PREREQ: AR 212.

AR 315-315G STUDIO IN PAINTING (0-6-3)(F/S). Creative work in representational areas in any media. May be repeated once for credit. PREREQ: AR 215.

AR 317-317G PAINTING-WATERCOLOR (0-6-3)(F). Advanced work in opaque and transparent media with emphasis on experimental techniques. Advisable to take AR 217 and AR 218 prior to AR 317.

AR 318-318G PAINTING-WATERCOLOR (0-6-3)(S). Advanced work in opaque and transparent media with emphasis on experimental techniques. Advisable to take AR 317 prior to AR 318.

AR 319-319G PORTRAIT PAINTING (0-6-3)(S). Painting from models in realistic or semi-abstract styles based on individual interests. Focus on creative approaches to portraiture. Model fee. May be repeated for credit. Advisable to take AR 114, AR 212, and AR 219 prior to AR 319. PREREQ: AR 211 or PERM/INST.

AR 321-321G ELEMENTARY SCHOOL ART METHODS (3-1-3). Prepares future elementary and special education teachers in awareness, skills, theories, and practices in K-8 art education. Child growth and development, curriculum selection and planning, classroom management and assessment strategies, and basic historical and aesthetic learning methods will be addressed. Students will demonstrate technical and artistic skills and mastery with K-8 art materials and will design, teach, and assess art lessons. Optional lab hours available. Materials fee. PREREQ: Upper-division standing.

AR 322-322G ELEMENTARY SCHOOL ART METHODS FOR ART EDUCATION MAJORS (3-2-4)(S). Prepares future art education teachers in awareness, skills, theories, and practices in K-8 art education. Child growth and development, curriculum selection and planning, classroom management and assessment strategies, and basic historical and aesthetic learning methods will be addressed. Students will use their technical and artistic skills and mastery with K-8 art materials and will design, teach, and asses art lessons. 30 hours of on-site clinical experience will be arranged. Additional lab hours available. Materials fee. Graduate students will assume supervisory/leadership roles as appropriate. PREREQ: Art education major; upper-division standing.

AR 325-325G STUDIO IN CERAMICS (0-6-3)(F). Advanced study in the materials of ceramics with emphasis on exploration of clays, glazes, and firing in earthenware, stoneware, and porcelain. Individual instruction will be given. PREREQ: AR 225 or AR 226 or PERM/INST.

AR 326-326G STUDIO IN CERAMICS (0-6-3)(S). Emphasis is on structural studies in hand-building and wheel-thrown works. Various firing methods using earthenware, stoneware, and porcelain will be explored. PREREQ: AR 225 or AR 226 or PERM/INST.

AR 331-331G STUDIO IN SCULPTURE (0-6-3)(F/S). Advanced study in the materials and methods of the sculptor with emphasis upon welded steel and metal casting. Advisable to take AR 231 and AR 232 prior to AR 331. May be repeated once for credit.

AR 333-333G COMPUTER I: TEXT AND IMAGE (2-4-4) (F,S). Familiarizes the student with current software relevant to the profession of Graphic Design. Emphasis will be given to the role of the Macintosh in print media. PERM/INST.

AR 335 ART OF THE BRONZE AGE (3-0-3)(F/S)(Alternate years). A survey of the art and architecture of the Bronze Age (3000-1100 BC) Mediterranean civilizations including Egypt, Mesopotamia, Minoan, Crete, and Mycenaean Greece. Recommended: AR 201.

AR 336 GREEK ART (3-0-3)(F/S)(Alternate years). A survey of the art and architecture of ancient Greece, from the Iron Age through the Hellenistic Period (1100-33 BC), with emphasis on the artistic achievements of Classical Athens. Recommended: AR 201.

AR 337 ART OF ANCIENT ITALY (3-0-3)(F/S)(Alternate years). A survey of the art and architecture of ancient Italy from the time of the Etruscans through the Roman Republic and Imperial Periods (700 BC-330 AD), with emphasis on the artistic achievements of the Roman Empire. Recommended: AR 201.

AR 338 MEDIEVAL ART (3-0-3)(F/S)(Alternate years). A survey of the art and architecture of the Medieval world (5th-15th centuries AD) including Byzantine Greece and Turkey, the Islamic Near East and Spain, and Europe from the time of the migrations through the Carolingian, Ottonian, Romanesque, and Gothic periods. Recommended: AR 201.

AR 341-341G CREATIVE PHOTOGRAPHY (2-4-3)(F/S). Advanced study of photographic techniques; emphasis on the creative approach to picture-taking and printing. Adjustable camera required. Advisable to take AR 251 prior to AR 341.

AR 344-344G CREATIVE PHOTOGRAPHY, COLOR PRINTING (2-4-3)(F/S). Advanced study of photographic techniques; emphasis on the creative approach to picture-taking and printing in color. Adjustable camera required. May be repeated for credit. PREREQ: AR 251 or PERM/INST.

AR 346-346G PHOTOGRAPHY: ZONE SYSTEM (2-4-3)(F)(Odd years). This course deals with the important relationship that exists between the negative and the print in photography. This course will provide systematic accounting of the numerous variables of personal equipment, procedures, films, developers, enlarging papers, and style. Technique as the clarifier of idea will be stressed. PREREQ: AR 251 or PERM/INST.

AR 351-351G SECONDARY SCHOOL ART METHODS (3-2-4)(F). For students expecting to teach art at the junior and senior high school levels. Includes pedagogical, philosophical, and methodological issues and guidelines for grades 6-12 instructional design, development and assessment, essential information about materials, safety, and aesthetics. An educational portfolio and 30 hours of clinical experience are required in a 6-12 setting.

AR 355 ITALIAN RENAISSANCE ART (3-0-3)(F/S)(Alternate years). A survey of the key artistic monuments in Renaissance Italy (1200-1600 AD), from the work of Cimabue to that of Caravaggio. Recommended: AR 202.

AR 356 ART OF INDIA (3-0-3)(F/S)(Alternate years). A survey of the art and architecture of India from the earliest times until the end of the Mughal period, emphasizing artistic expression as a reflection of the general culture and religion.

AR 357 ART OF JAPAN (3-0-3)(F/S)(Alternate years). A survey of the traditional arts of Japan from the earliest times until the first influences of Western culture, including painting, sculpture, architecture, calligraphy, prints, and ceramics.

AR 358 HISTORY OF FAR EASTERN ART (3-0-3)(F/S)(Alternate years). A survey of the arts of India, China, Korea, Japan, Tibet, and Southeast Asia, as they developed from the earliest times until the first influences of Western culture.

AR 359 PRE-COLUMBIAN ART (3-0-3)(F/S)(Alternate years). A survey of the Middle American art of the Olmecs, Nayarit, Colima, Maya, Teotihuacan, Zapotecs, Toltecs, and Aztecs from ancient times until the arrival of the Spanish in the 16th century.

AR 361-361G ILLUSTRATION I (0-6-3)(F). Survey of historical and contemporary illustration materials, techniques, and styles. Focus on creative communicative solutions to visual problems. PREREQ: AR 112, AR 105 and AR 106.

AR 362-362G ILLUSTRATION II (0-6-3). Continued exploration of illustration as a profession and as an expressive communicative medium. Focus on interpretive problem solving. Individually selected media. PREREQ: AR 361 and PERM/INST.

AR 371-371G HISTORY OF TWENTIETH CENTURY AMERICAN ART (3-0-3)(F). Beginning with a short survey of American art from the Ashcan School through the Thirties, with concentration on Abstract Expressionism, Pop, Op, and Minimal. Critical writings will be assigned. Advisable to take AR 302 prior to AR 371.

AR 380 GALLERY PRACTICES (2-2-3)(F/S). Operations of galleries from the point of view of gallery directors and the gallery system, museum curators, art brokers, framers, businesses, and private and corporate collectors. Includes installation, packing and crating, special events coordination, preparation of publications and publicity, art handling, and security. May be repeated once for credit. PREREQ: Upper-division standing.

AR 388-388G STUDIO IN GRAPHIC DESIGN (0-6-3)(F). The role of the computer in the modern practice of graphic design is stressed. Limited computer lab time is available during class. Emphasis is on conceptualizing and developing a personal problem-solving methodology. Particular attention is given to development of precise verbal presentation skills. PREREQ: AR 204, 333, upper-division admission in graphic design.

AR 400 HISTORY OF VISUAL RHETORIC (3-0-3(F/S). Explores the layers of meaning inherent in visual communication throughout the ages. Particular attention is paid to the origins and roles of Graphic Design and Illustration. Within this context, the work of selected designers and illustrators will be presented.

AR 409-409G STUDIO IN PRINTMAKING (0-6-3)(F/S). Individual projects in printmaking. May be repeated for credit. PREREQ: AR 309.

AR 410 SENIOR SHOW (0-1-1)(F/S). An exhibition of artwork by graduating seniors. The course will give students experience in the process of selecting, hanging, and publicizing their artwork. Students will be required to supply slide records of their artwork, resumes, and, if required, artwork for the department's permanent collection. (Pass/Fail) PREREQ: Senior standing.

AR 411-411G DRAWING STUDIO (0-6-3)(F/S). Individual problems in drawing. Model fee. May be repeated for credit. PREREQ: AR 311.

AR 415-415G STUDIO IN PAINTING (0-6-3)(F/S). Individual problems in painting in any media. Students will participate in one-person senior show projects. May be repeated for credit. PREREQ: AR 315.

AR 417-417G STUDIO IN PAINTING-WATERCOLOR (0-6-3)(F/S). Advanced study in selected watercolor media. Students will participate in one-person senior show projects. Advisable to take AR 317 and AR 318 prior to AR 417. May be repeated for credit.

AR 419-419G STUDIO IN METALS (0-6-3)(F/S). Continued study in materials and methods (advanced) of jewelry making and metalsmithing as they apply to the creative artist and teacher. May be repeated for credit. PREREQ: AR 221, AR 222, AR 307.

AR 425-425G STUDIO IN CERAMICS (0-6-3)(F/S). Continued study in the materials of ceramics with emphasis on the exploration of clays, glazes, and firing as it applies to the creative artist or teacher. Advisable to take AR 325 and AR 326 prior to AR 425. Individual instruction will be given. May be repeated for credit.

AR 431-431G STUDIO IN SCULPTURE (0-6-3)(F/S). Continued study in the material and methods of the sculptor with emphasis on welded steel and casting, carving, mixed media, and experimental. Advisable to take two semesters of AR 331 prior to AR 431. May be repeated for credit.

AR 441-441G CREATIVE PHOTOGRAPHY (2-4-3)(F/S). Individual problems in black and white photography. Advisable to take AR 251 and AR 341. May be repeated for credit.

AR 444-444G CREATIVE PHOTOGRAPHY, COLOR PRINTING (2-4-3)(F/S). Individual problems in color photography. May be repeated for credit. PREREQ: AR 344 or PERM/INST.

AR 461-461G STUDIO IN ILLUSTRATION (0-6-3)(S). Continued exploration of illustration as a profession and as an expressive communicative medium. Focus on development of an individual visual voice through advanced interpretive problem-solving. PREREQ: AR 362 and PERM/INST.

AR 462-462G ADVANCED STUDIO IN ILLUSTRATION (0-6-3)(F). Exploration of the editorial applications of illustration (for example, book, magazine, visual essay). Focus on the continued development of an individual visual voice through the exploration of sequential imagery. Individually selected media. PREREQ: AR 461 and PERM/INST.

AR 465 SENIOR PROJECT IN ILLUSTRATION (0-6-3)(S). Culminating original project for illustration majors, including a formal presentation or exhibition. PREREQ: AR 462 and PERM/INST.

AR 477-477G GRAPHICOM (4-0-4)(F/S). This class provides students the opportunity to work with Boise area nonprofit organizations in need of design assistance. Computer-aided design and print production are stressed. Initial client contacts are provided. This course provides a broad base of understanding and enables students to experience the specifics of going to press. May be repeated for credit. PREREQ: AR 333 and PERM/INST.

AR 483-483G COMPUTER GRAPHICS FOR GRAPHIC DESIGNERS (0-2-2)(F/S). The student is to select an area of particular interest which will then be thoroughly explored on the computer. PREREQ: PERM/INST and upper-division admission in graphic design.

AR 488-488G ADVANCED STUDIO IN GRAPHIC DESIGN (0-6-3)(S). Continued exploration of the role of computers in modern design. Problems of a more complex nature are presented. Students are encouraged to develop and expand both the verbal and visual elements within a design problem. Verbal presentation skills and written rationales are integrated within the visual format. PREREQ: AR 388.

AR 489 SENIOR RESEARCH FOR GRAPHIC DESIGNERS (0-2-2)(F/S). The student is to select an area of particular interest which will then be thoroughly researched and investigated, culminating in a finished design. The design process and development of a personal problem-solving methodology are emphasized. All original work will be visually documented and substantiated through an organized presentation. Work completed in this class may be viewed as preparation for AR 410 Senior Show. Work will be critiqued individually at the end of the semester. PREREQ: AR 388 and upper-division admission in graphic design.

AR 498 SENIOR SEMINAR (3-0-3)(F/S). Required reading and written and oral reports relative to the senior art major's area of interest within the visual arts. PREREQ: Senior status.

Athletic Training — see Department of Health, Physical Education and Recreation

Bachelor of Applied Science Degree

Engineering Technology Building, Room 101 Telephone 208 385-1508
http://www-cot.idbsu.edu Fax Telephone 208 385-4081

Contact: Office of the Dean, Larry G. College of Applied Technology.

The bachelor of applied science (B.A.S.) degree is a baccalaureate degree primarily designed for applied technology students who possess an earned associate of applied science (A.A.S.) accredited degree recognized by the Council of Postsecondary Accreditation, or by an equivalent accrediting agency.

The purpose of the degree is to provide applied technology graduates the opportunity to enhance and expand their general education and technical core competencies. By making this degree available, the Larry G. Selland College of Applied Technology recognizes the dramatic increase in workplace technology and the need to support this technology with broad-based general education and an advanced technical support curriculum. The B.A.S. program completion requirements consist of 64 transfer credits from the A.A.S. degree program, supplemented with 36 credits of general education core, 6 credits of English Composition, and 22 credits of approved advanced academic course work.

Eligibility Requirements for Admission to the B.A.S. Program

You must meet one of the following requirements to be admitted to the B.A.S. program:

- graduate of an A.A.S. degree program approved by the Idaho State Board of Education
- graduate of an institution accredited by a regional accrediting association (as reported in *Accredited Institutions of Post Secondary Education*) that meets Idaho Standards for an A.A.S. degree (minimum of 64 credits)
- satisfactory completion of the general university requirements (core) and upper-division requirements for the B.A.S. degree AND enrollment in an A.A.S. degree program at Boise State University

Application Procedures for Admission to the B.A.S. Program

To apply for admission to the B.A.S. program, submit all materials in the checklist below to the Office of the Dean, Larry G. Selland College of Applied Technology:

- official transcript documenting successful completion of an A.A.S. degree (or its equivalent) or an official transcript documenting successful completion of core requirements and upper-division requirements
- "Application for Acceptance into Bachelor of Applied Science Program" form (available in the Office of the Dean, Larry G. Selland College of Applied Technology).

The Larry G. Selland College of Applied Technology offers the bachelor of applied science (B.A.S.) degree in a technical field. Program advising is provided by the Larry G. Selland College of Applied Technology Student Services Office, Technical Services Building, Room 114.

Degree Requirements

Applied Technology*
Bachelor of Applied Science

Course Number and Title	Credits
Technical Education program (A.A.S. degree) The Idaho A.A.S. degree minimum requirements include: Technical Education course work 40-42 credits Technical Support course work 10-12 credits General Education 12 credits	64
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core in one field	3
Area I core in a second field	3
Area I core in a third field	3
Area I core in any field	3
Area II — see page 41 for list of approved courses	
Area II core in one field	3
Area II core in a second field	3
Area II core in a third field	3
Area II core in any field	3
Area III — see page 41 for list of approved courses	
Area III core in one field	4
Area III core in a second field	4
Area III core in any field	4
Upper-division courses in **both of the following disciplines: **social science** (anthropology, communication, economics, geography, history, political science, psychology, social work, sociology, teacher education) and either **natural sciences or mathematics** (biological sciences, chemistry, engineering, mathematics, physical science, physics)	10
Upper-division elective courses to total 22 credits	12
Total	128

*NOTE: The baccalaureate degree title for students earning their A.A.S. degree from Boise State University will reflect the technical major, e.g., bachelor of applied science, electronics technology. The baccalaureate degree title for those students awarded technical degrees from other institutions meeting Idaho Standards for an A.A.S. degree (minimum of 64 credits) will reflect the technical major "Applied Technology", e.g., bachelor of applied science, applied technology.

- Students admitted to the Bachelor of Applied Science Program will be required to complete a minimum of 22 credits of upper-division course work for graduation.
- Credit for prior learning will be determined in accordance with prevailing institutional policy.
- Academic credit may be awarded for selected military training and experience. Students must furnish a copy of DD214, DD220, or similar official documents to the Registrar's Office. If you are requesting credit for an MOS after August 1993, you must also show that you have an SQT or STD of 60 or higher.
- University core courses used to meet technical education requirements cannot be used to meet the above listed area requirements.
- For students admitted to the Bachelor of Applied Science Program, of the 64 credits required beyond the A.A.S. degree, no more than 32 credits may be earned through advanced placement, nontraditional, or prior learning. A detailed list of advanced placement opportunities is available in the Administrative Handbook (BSU Policy 2305-B) and in the Larry G. Selland College of Applied Technology Dean's Office.
- The last 30 credits earned prior to graduation must be taken at BSU.
- Documentation presented by the student and used by the Larry G. Selland College of Applied Technology to evaluate the student's eligibility for and admission to the Bachelor of Applied Science Program will be forwarded, along with a cover sheet indicating the manner in which credits have been accepted, to the Registrar's Office.

Course Offerings

See page 53 for a definition of the course-numbering system.

BA Bachelor of Applied Science

BA 293, 493 BACHELOR OF APPLIED SCIENCE INTERNSHIP (Variable Credit). Field learning in the technical environment under supervision of both a manager and an instructor. To enroll in courses numbered 293 or 493, a student must have attained a cumulative grade- point average of 2.00 or higher. No more than 12 internship credits may be used to meet degree requirements or university graduation requirements. BA 293, 493 may be repeated for a maximum of 6 credits. Graded Pass/Fail. PREREQ: PERM/INST/CHAIR.

BA 294, 494 BACHELOR OF APPLIED SCIENCE CONFERENCE AND/OR WORKSHOP (Variable Credit). Conference and workshops conducted by outstanding

business and industry leaders or qualified faculty in a technical field sponsored under the auspices of Boise State University. May be repeated for a maximum of 6 credits. Graded Pass/Fail.

BA 296 BACHELOR OF APPLIED SCIENCE INDEPENDENT STUDY (Variable Credit). Independent study for technical competency upgrade, applied research project, or specialized advanced skill experience or study. May be repeated for a maximum of six credits. Graded Pass/Fail. PREREQ: PERM/ INST/CHAIR.

BA 496 BACHELOR OF APPLIED SCIENCE INDEPENDENT STUDY (Variable Credit). Upper-division students may complete an independent study for technical competency upgrade, applied research project, or specialized advanced skill experience or study. Students may earn no more than six credits during a single academic year, and no more than a total of nine credits may be used to meet degree requirements or university graduation requirements. Before enrolling for independent study, a student must obtain the approval of the department chair, acting on the recommendation of the instructor who will be supervising the independent study. An independent study cannot be substituted for a course regularly offered at BSU, nor can independent study credits be used to improve a grade in a course the student has already taken. BA 496 may be repeated maximum of 6 credits. Graded Pass/Fail. PREREQ: PERM/INST/CHAIR.

BA 498 BACHELOR OF APPLIED SCIENCE SEMINAR (Variable Credit). Designed to provide an opportunity for study of a particular area in a technical field at an advanced level. The topics offered will be selected on the basis of their timely interest to technical fields and a particular expertise of the faculty or related industry. May be repeated for a maximum of 6 credits. Graded Pass/Fail. PREREQ: Upper-division standing and PERM/INST/CHAIR.

Basque — see Department of Modern Languages

Department of Biology

Science/Nursing Building, Room 223 Telephone 208 385-3262
http://www.idbsu.edu/biology/biohome.htm Fax Telephone 208 385-3006
e-mail: kspelma@bsu.idbsu.edu

Chair and Associate Professor: James A. Long. *Professors:* Baker, Bechard, Centanni, Douglas, Dufty, Fuller, McCloskey, Rychert, Wicklow-Howard. *Associate Professor:* Munger. *Assistant Professors:* Belthoff, Koetsier, Novak, Ott, Smith.

Degrees Offered

- B.S. and Minor in Biology
- B.S. in Biology, Secondary Education
- M.S. in Raptor Biology (see the *BSU Graduate Catalog.*)
- Pre-Forestry and Wildlife Management Program
- Minor in Environmental Studies

Department Statement

The biology curriculum provides students the opportunity to develop an understanding of living organisms and how these organisms interact with the environment. The biology curriculum consists of a core of courses which provides students with a knowledge base in both organismal and molecular biology with the balance of the curriculum consisting of elective courses. By selecting the appropriate electives, the student can create a program of study that emphasizes the area of biology in which they are most interested. Examples of areas of interest include botany, cell biology, ecology, microbiology, and zoology.

In addition to formal academic course work, students can participate in independent study projects, assisting faculty with their research or developing student initiated projects with faculty guidance. There are also numerous opportunities to participate in internships with governmental agencies, local businesses, and area professionals.

The biology department also offers a B.S. in Biology, Secondary Education for students wishing to obtain teaching certification and pursue a career in teaching at the secondary school level. A nondegree course offering in Pre-Forestry and Wildlife Management allows students to complete two years of course work at Boise State University before transferring to a professional program at other institutions.

Upon completion of their degree at Boise State, graduates have been successful at gaining admission to professional programs in Dentistry, Medicine, Veterinary Medicine, and a variety of other professional programs. Biology graduates have also been successful at gaining admission to graduate programs in the biological sciences throughout the United States. Other students have began working in their field immediately after completing their B.S. degree.

Degree Requirements

Biology
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
Biology core courses	
BT 130 General Botany	4
Z 230 General Zoology	5
B 301 Cell Biology	3
B 343 Genetics	3
B 423 Ecology	4
B 498 or 499 Biology Seminar	1
Physiology (one course)	4
BT 401 Plant Physiology	
Z 401 Human Physiology	
Z 409 General and Comparative Physiology	
Morphology (one course)	4
BT 302 Plant Anatomy	
BT 311 Plant Morphology	
BT 330 Mycology	
Z 301 Comparative Vertebrate Anatomy	
Z 351 Vertebrate Embryology	
Z 400 Vertebrate Histology	
Biology electives to total 45 credits of biology courses A maximum of 4 credits of independent study and 4 credits of internship (8 credits total) may be counted toward fulfillment of these biology electives Internships are graded Pass/Fail.	17
C 131, 132, 133, 134 College Chemistry	9
C 317, 319 Organic Chemistry	5
M 111 Algebra and Trigonometry	5
Four or more credits chosen from the following:	4
CS 113 Introduction to Pascal	
CS 115 Introduction to C	
CS 125 Introduction to Computer Science I	
EN 124 Digital Computer Programming	
M 120 Applied Statistics with the Computer	
M 204 Calculus and Analytic Geometry	

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Biology, Bachelor of Science (continued)	
Upper-division electives to total 40 credits Credits from all 300- and 400-level courses, whether elective or required, are applicable. The number in the right-hand column is the average number of additional upper-division credits that will be required beyond those automatically accumulated in obtaining the biology and area of emphasis requirements.	16
Electives to total 128 credits The number in the right-hand columns is the approximate number of elective credits remaining that can be taken at either the upper- or lower-division levels.	14
Total	128

Biology Minor

Course Number and Title	Credits
BT 130 Botany	4
Z 111, 112 Anatomy and Physiology **OR** Z 230 General Zoology	5-8
Biology courses (200-level or above)	10-13
Total	22

Biology, Secondary Education
Bachelor of Science
Major Endorsement

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
TE 201 Foundations of Education	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
Biology core courses	
BT 130 General Botany	4
Z 230 General Zoology	5
B 301 Cell Biology	3
B 343 Genetics	3
B 423 Ecology	4
B 498 or 499 Biology Seminar	1
Physiology (one course)	4
BT 401 Plant Physiology	
Z 401 Human Physiology	
Z 409 General and Comparative Physiology	
Morphology (one course)	4
BT 302 Plant Anatomy	
BT 311 Plant Morphology	
BT 330 Mycology	
Z 301 Comparative Vertebrate Anatomy	
Z 351 Vertebrate Embryology	
Z 400 Vertebrate Histology	
Biology electives to total 45 credits of biology courses A maximum of 4 credits of independent study and 4 credits of internship (8 credits total) may be counted toward fulfillment of these biology electives. Internships are graded Pass/Fail.	17
C 131, 132, 133, 134 College Chemistry and Labs	9
C 317, 319 Organic Chemistry and Lab	5

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Biology, Secondary Education, Major Endorsement (continued)	
M 111 Algebra and Trigonometry	5
Four or more credits chosen from the following:	4
CS 113 Introduction to Pascal	
CS 115 Introduction to C	
CS 125 Introduction to Computer Science I	
EN 124 Digital Computer Programming	
M 120 Applied Statistics with the Computer	
M 204 Calculus and Analytic Geometry	
TE 172 Intro Secondary Teaching: Classroom Observation	1
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 Educating Exceptional Secondary-Age Student	1
TE 381 Secondary School Methods	3
TE 384 Secondary School Science Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
Secondary School Student Teaching	10-16
Electives to total 128 credits The number in the right-hand column is the approximate number of elective credits remaining that can be taken at either the upper- or lower-division levels.	0- 4
Total	128

Biology, Secondary Education
Bachelor of Science
Major Endorsement in Biology with a Minor Endorsement in a Second Field

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
TE 201 Foundations of Education	3
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
BT 130 General Botany	4
Z 230 General Zoology	5
B 301 Cell Biology	3
B 343 Genetics	3
B 423 Ecology	4
B 498 or 499 Biology Seminar	1
* 10 Biology credits	
Upper-division botany	4
Upper-division zoology	3-4
Additional biology, botany, or zoology credits	2-3
Minor endorsement in a second field	20-32
C 131, 132, 133, 134 College Chemistry and Labs	9
C 317, 319 Organic Chemistry and Lab	5
M 111 Algebra and Trigonometry	5
Four or more credits chosen from the following:	4
CS 113 Introduction to Pascal	
CS 115 Introduction to C	
CS 125 Introduction to Computer Science I	
EN 124 Digital Computer Programming	
M 120 Applied Statistics with the Computer	
M 204 Calculus and Analytic Geometry	

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Biology, Secondary Education, Major Endorsement in Biology with a Minor Endorsement in a Second Field (continued)	
TE 172 Intro Secondary Teaching: Classroom Observation	1
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 Educating Exceptional Secondary-Age Student	1
TE 381 Secondary School Methods	3
TE 384 Secondary School Science Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
Secondary School Student Teaching	10-16
Electives to total 128 credits The number in the right-hand column is the approximate number of elective credits remaining that can be taken at either the upper- or lower-division levels.	2-8
Total	128

* A biology, secondary education option major without a minor requires 45 biology credits. A biology, secondary education option major with a minor in another area requires 30 biology credits. A minor requires a minimum of 20 credits. In all instances a minimum of 6 credits must be in botany and 6 credits in zoology. You should chose electives with these requirement in mind. See "Teacher Education" for information or course requirements for minor endorsements.
NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See "Teacher Education" for more information.

Biology, Secondary Education Minor Endorsement

Course Number and Title	Credits
B 205 Microbiology	4
BT 130 General Botany	4
Z 230 General Zoology	5
Course in botany	4
Course in zoology	3-4
Total	20-21

The pre-forestry and wildlife management program is designed to satisfy the lower division course work typically completed during sophomore year in a school of forestry. For their junior and senior years, students wishing to earn a bachelor's degree in this area of study usually transfer to the University of Idaho College of Forestry, Wildlife, and Range Sciences.

Pre-Forestry and Wildlife Management

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course	3
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech	3
EC 205 Principles of Microeconomics	6
EC 206 Principles of Macroeconomics	3
Area I or II core course	3
Area III	
M 105, 106 Math for Business Decisions	8
C 107, 108, 109, 110 Essentials of Chemistry and Labs	8
BT 130 General Botany	4
BT 305 Systematic Botany	4
CS 113 Introduction to Pascal	2
GO 101 Physical Geology	4
PH 101, 102 General Physics	8
Z 230 General Zoology	5
Total	64

Notes: Other courses offered by the Biology Department that are applicable to various programs within the College of Forestry, Wildlife and Range Sciences at the University of Idaho include Microbiology B 205, Ecology B 423, Plant Physiology BT 401, Comparative Anatomy Z 301, Ornithology Z 341, and Mammalogy Z 421. In many cases, it is possible to attend BSU for three years and complete the program of study at the University of Idaho in two additional years.

Course Offerings

See page 53 for a definition of the course-numbering system.

B BIOLOGY

Lower Division

B 100 CONCEPTS OF BIOLOGY (3-2-4)(F/S)(Area III)[BIOL 100]. Basic course for nonmajors. General biological principles and how they relate to man. Brief survey of plant and animal diversity. Emphasis areas include populations, pollution, ecology, genetics, and evolution.

B 200 MAN AND THE ENVIRONMENT (3-0-3)(F/S). The impact of biological, economic, and social factors on man's environment are discussed. Participants become aware of important issues and factors involved in environmental decision-making.

B 205 MICROBIOLOGY (3-2-4)(F/S). A survey of microbial diversity, structure, function, and metabolism; principles of microbial control; host-parasite relationships; immunology; and medically important microorganisms. PREREQ: C 107 and Z 111-112 (or equivalent) or PERM/INST.

Upper Division

B 300 BIOLOGY OF AGING (3-0-3)(F). Focuses on biological aspects of aging and the major types of anatomical and physiological changes which may impair normal functioning during the aging process. This course is not appropriate for biology majors and may not be counted toward major requirements. Offered even-numbered years. PREREQ: Upper-division standing and B 100 or Z 107 or Z 111-112.

B 301 CELL BIOLOGY (3-0-3)(S). Structure and function of prokaryotic cells, cellular energetics and metabolism, mitochondria and chloroplasts, cell and organelle genetics, chromosomal aberrations, and medical applications of cell biology. PREREQ: One year of college biology and C 317.

B 303 GENERAL BACTERIOLOGY (3-6-5)(F). A general survey of the field of bacteriology: techniques, cytology, taxonomy, growth, physiology, ecology, genetics, evolution, control, medical aspects, and immunology. PREREQ: C 317 and B 301 or PERM/INST.

B 310-310G PATHOGENIC BACTERIOLOGY (2-6-4)(S). Medically important bacteria, rickettsia, and chlamydia are surveyed with emphasis on their pathogenicity, host-parasite relationships, and the clinical and diagnostic aspects of the diseases they produce in humans and animals. Offered odd-numbered years. PREREQ: B 205 or B 303 or PERM/INST.

B 343 GENETICS-LECTURE (3-0-3)(F). A study of the principles of genetics as they relate to living organisms. PREREQ: B 301 or PERM/INST.

B 344 GENETICS-LABORATORY (0-6-2)(F). A course in the techniques of culturing and analyzing the genetic material of Drosophila, yeast, microorganisms, viruses, and plasmids. Experiments in classical, molecular and population genetics will be performed. Exercises with recombinant DNA molecules will be included. Periodic reports will be submitted. Some laboratory time will be arranged. PREREQ: prior or concurrent enrollment in B 343 and PERM/INST.

B 401-401G ORGANIC EVOLUTION (3-0-3)(S). Philosophical basis and historical development of evolutionary theory. Detailed examination of genetic variation, mechanisms of evolutionary change, adaptation, specialization, and phylogeny. Genetics recommended. Offered odd-numbered years. PREREQ: B 301 or PERM/INST.

B 412-412G GENERAL PARASITOLOGY (2-3-3)(S). Study of animal parasites with emphasis on those of man and his domestic animals. Lectures cover general biology, life history, structure, function, distribution, and significance of parasites. Laboratory provides experience in identification and detection. PREREQ: B 301 or PERM/INST.

B 415-415G APPLIED AND ENVIRONMENTAL MICROBIOLOGY (3-3-4)(S). Microbial populations and processes in soil and water. Water- and food-borne pathogens. Microbial and biochemical methods of environmental assessment. PREREQ: B 205 or B 303 or PERM/INST.

B 420-420G IMMUNOLOGY (3-0-3)(S). A survey of the principles of immunology, host defense systems, the immune response, immune disorders, serology, and other related topics. Representative laboratory procedures will be demonstrated. PREREQ: B 205 or B 303 or PERM/INST.

B 423-423G ECOLOGY (3-3-4)(F). A survey of the physical factors of the environment and their effect on the mode of life and distribution of plants and animals. Environmental and biological interrelationships of organisms will be discussed. Field and laboratory investigations into topics of physical habitat, populations, communities, pollution, etc. Weekend field trips may be taken. PREREQ: BT 130 and Z 230 or PERM/INST.

B 445-445G HUMAN GENETICS (3-0-3)(S). Discussion of important aspects of human heredity. Topics include the reproductive system, single gene disorders, chromosome abnormalities, hemoglobinopathies, inborn errors of metabolism, somatic cell and molecular genetics, immunogenetics, gene screening, and human variation and evolution. PREREQ: B 343 or PERM/INST.

B 498, 499 BIOLOGY SEMINAR (1-0-1)(F/S). A review of pertinent literature on selected topics. Restricted to senior biology majors.

BT BOTANY

Lower Division

BT 130 GENERAL BOTANY (3-3-4)(F/S)(Area III)[BIOL 203]. An introduction to plant biology, which includes the study of cells, genetics, whole plant physiology and functions, ecology, classification, and economic importance. Prior enrollment in high school chemistry or prior or concurrent enrollment in college chemistry is recommended.

Upper Division

BT 302-302G PLANT ANATOMY (3-3-4)(F). A study of the structure and development of vascular plant tissues, regions, and organs. Emphasis will be placed on the Angiosperms. PREREQ: BT 130 and B 301 or PERM/INST.

BT 305-305G SYSTEMATIC BOTANY (2-6-4)(S). Fundamental problems of taxonomy. Discussion of historical development of classification systems and comparison of recent systems. Instruction on use of keys and manuals. PREREQ: BT 130 or PERM/INST.

BT 311-311G PLANT MORPHOLOGY (3-3-4)(F). A comparative study of the structure, function, reproduction, and development of major plant groups. Phylogeny, paleobotany, and economic importance of various plant groups will be considered. PREREQ: BT 130 or PERM/INST.

BT 330-330G MYCOLOGY (3-3-4)(F). A study of the biology of fungi with emphasis on their classification, morphology and development, identification, ecology, and economic significance. Laboratory work will include projects and field trips. PREREQ: BT 130 or PERM/INST.

BT 401-401G PLANT PHYSIOLOGY (3-3-4)(F). Emphasis placed on physical and chemical processes of plant body functions. Includes coverage of cell, tissue, and organ functions; mineral requirements, metabolism, water uptake, photosynthesis; soil chemistry and the alkaloids and glucosides synthesized by plants. BT 302 and PH 101, 102 recommended. Offered odd-numbered years. PREREQ: BT 130 and C 317 or PERM/INST.

FS FORESTRY

Lower Division

FS 101 GENERAL FORESTRY (2-0-2)(S). A survey of forestry, timber management and economics, and the propagation of important trees of the United States.

Z ZOOLOGY

Lower Division

Z 107 CONCEPTS OF HUMAN ANATOMY AND PHYSIOLOGY (3-2-4)(S). Survey of human structure and function with emphasis on regulatory mechanisms of the body. This is a terminal course and does not satisfy allied health program requirements.

Z 111, 112 HUMAN ANATOMY AND PHYSIOLOGY (3-3-4)(Area III)[BIOL 227, BIOL 228]. A two-semester sequence for students whose career objectives require a thorough study of human anatomy and physiology. Z 107 cannot be substituted for either semester of this sequence. One semester of this sequence cannot be substituted for Z 107. Prior or concurrent enrollment in C 107 is recommended.

Z 230 GENERAL ZOOLOGY (3-6-5)(F/S)(Area III)[BIOL 202]. Introductory study of animals. Fundamentals of structure, function, development, life cycles, diversity, heredity, evolution, and ecology. PREREQ: prior or concurrent enrollment in C 107 or C 131.

Upper Division

Z 301-301G COMPARATIVE VERTEBRATE ANATOMY (2-6-4)(F). The evolutionary development of vertebrate anatomy, fishes through mammals. Dissection of the shark, salamander, and cat plus demonstrations of other vertebrate types. PREREQ: Z 230 or PERM/INST.

Z 305-305G ENTOMOLOGY (2-6-4)(F). Biology of insects with emphasis on identification and life cycles for students who have completed one year of college-level biology. Laboratory includes field trips to collect and identify local species. Insect collection required. Students should meet with instructor the spring or summer before enrolling. PREREQ: PERM/INST.

Z 307 INVERTEBRATE ZOOLOGY (2-6-4)(S)(Alternate years). Morphology, taxonomy, and natural history of the marine invertebrate animals and terrestrial arthropods exclusive of the insects. PREREQ: Z 230 or PERM/INST.

Z 341-341G ORNITHOLOGY (2-3-3)(S). Birds as examples of biological principles: classification, identification, ecology, behavior, life histories, distribution, and adaptations of birds. Two weekend field trips. Offered odd-numbered years. PREREQ: Z 230 and PERM/INST.

Z 351-351G VERTEBRATE EMBRYOLOGY (2-6-4)(S). Germ cell development, comparative patterns of cleavage and gastrulation, neurulation and induction, and development of human organ systems. Laboratory studies of frog, chick and pig development. PREREQ: Z 230 or PERM/INST.

Z 355-355G VERTEBRATE NATURAL HISTORY (2-6-4)(F). Classification, identification, evolution, ecological relationships, behavior, and life histories of fish, amphibians, reptiles, birds, and mammals. Two weekend field trips. PREREQ: Z 230 and PERM/INST.

Z 361 MICROTECHNIQUE (1-6-3)(S)(Alternate years). Theory and practical application of procedures involving fixation, staining, preparation of paraffin sections and whole mounts, and histochemical techniques. PREREQ: Z 230 or PERM/INST.

Z 400-400G VERTEBRATE HISTOLOGY (2-6-4)(F). Microscopic anatomy of cells, tissues, and organ systems of vertebrates. Major emphasis will be on mammalian systems. Z 301 or Z 351 are recommended prior to enrollment. PREREQ: Z 230 or PERM/INST.

Z 401-401G HUMAN PHYSIOLOGY (3-3-4)(S). Functional aspects of human tissues and organ systems with emphasis on regulatory and homeostatic mechanisms. PREREQ: one year of college biology and C 317 or PERM/INST.

Z 409-409G GENERAL AND COMPARATIVE PHYSIOLOGY (3-3-4)(S). Physiological principles common to all forms of animal life are discussed. Physiological adaptations required to live in a variety of environments are presented. PREREQ: Z 230 and C 317 or PERM/INST.

Z 421-421G MAMMALOGY (2-3-3)(S). Mammals as examples of biological principles: classification, identification, distribution, ecology, life histories, and adaptations of mammals. Two weekend field trips. Offered even-numbered years. PREREQ: Z 355 or PERM/INST.

Botany — see Department of Biology

Minor in Business

Business Building, Room 117 Telephone 208 385-3859
http://biz.idbsu.edu Fax Telephone 208 385-4989
e-mail: stuserv@cobfac.idbsu.edu

Students seeking a business minor must register with the Student Services Center in the College of Business and Economics. A student pursuing a major other than business at Boise State University may earn a business minor by satisfying the requirements listed below, in addition to requirements of the student's major.

Business Minor

Course Number and Title	Credits
AC 205 Introduction to Financial Accounting AC 206 Introduction to Managerial Accounting	3 3
E 101, 102 English Composition	6
EC 205 Principles of Microeconomics EC 206 Principles of Macroeconomics	3 3
GB 202 Legal Environment of Business	3
IS 310 Introduction to Management Information Systems Upon approval through the College of Business and Economics Student Services Center, you may substitute a computer literacy course required in your major.	3
M 105-106 Mathematics for Business Decisions Upon approval through the College of Business and Economics Student Services Center you may substitute the two-semester mathematics sequence which is required in your major.	8
PR 207 Statistical Techniques for Decision Making I Upon approval through the College of Business and Economics Student Services Center, you may substitute a statistical techniques class required in your major.	3
Upper-division business courses At least two subject areas of business must be represented by the three classes.	9
Total	44
Students must complete all courses with a grade of C or better.	

Business Communication — see Department of Marketing and Finance

Business Economics — see Department of Economics

Business Management, General — see Department of Management

Canadian Studies Minor

Education Building, Room 717 Telephone 208 385-3776

Contact: Office of the Dean
College of Social Science and Public Affairs

The Canadian studies minor is designed to complement any university major. The program is interdisciplinary in its approach and at the same time permits students to pursue their interest areas in Canadian studies. Students in business, health, education, and the liberal arts are encouraged to pursue the program. Upon successful completion of the 18 credit hours, students receive a certificate of completion from the Canadian government.

Canadian Studies Minor

Course Number and Title	Credits
CN 101 Canada: Land and People	3
CN 102 Contemporary Canada	3
*Interdisciplinary courses chosen from list below	12
Total	18

*Courses that will meet the 12 hours of electives to be chosen from two or more disciplines: AN 307 Indians of North America, AN 312 Archeology of North America, AN 409 Anthropology of Education, CM 300 Communication Issues, Industries and Inquiry in Canada, CN Special Topics courses in Canadian Studies, EC 317 International Economics, F 201 Intermediate French Language, F 202 Intermediate French Civilization, F 303 Advanced French Grammar: Conversation and Composition, F 304 French for Business, F 376 French Civilization and Culture to 1789, F 377 Modern Francophone Civilization and Culture, F 425 French Literature: Classical to Enlightenment, F 435 French Literature: Romanticism and Realism, HY 335 Diplomatic History of the United States, PO 311 Comparative Foreign Policy, and SO 230 Introduction to Multi-Ethnic Studies.

CN Canadian Studies

CN 101 CANADA: LAND AND PEOPLE (3-0-3)(F-Alternate odd-numbered years.) Introductory, interdisciplinary survey, presenting the themes of geography, physical resources, history, political system and Indian Eskimo culture. Faculty from participating departments will span two centuries of Canadian growth, development and attainment of national identity. Open to all students. Required of Canadian Studies Minors.

CN 102 CONTEMPORARY CANADA (3-0-3)(S-Alternate Even Years). Faculty from participating departments present areas of current Canadian national/international interest. Detailed study of modern Canadian life and culture, literature, economic development, foreign affairs, conservation and provincial/national relationships are focused. Open to all students. Required of Canadian Studies Minors.

Department of Chemistry

Science/Nursing Building, Room 315 Telephone 208 385-3963
http://www.idbsu.edu/chem Fax Telephone 208 385-3027
e-mail: kkill@quartz.idbsu.edu

Chair and Professor: Richard Banks. *Professors:* Carter, Ellis, Matjeka, Mercer, Stark. *Associate Professors:* Bammel, LeMaster, Schimpf. *Assistant Professors:* Russell, Shadle.

Degrees Offered

- B.S. in Chemistry, Biochemistry Emphasis
- B.S. in Chemistry, General Emphasis
- B.S. in Chemistry, Professional Emphasis
- B.S. in Chemistry, Secondary Education
- Minor in Chemistry

Department Statement

The chemistry department's goal is to provide degree candidates with a thorough understanding of the fundamentals of chemistry, interwoven with training in up-to-date procedures and state-of-the-art instrumentation.

By choosing from a variety of courses, a BSU graduate with a major in chemistry will be prepared to enter graduate school, enter medical or other professional school, teach in high school, or work as a chemist in a variety of careers.

The chemistry curriculum of Boise State University offers students an education based on the employment requirements of industry, educational institutions, and government agencies, while emphasizing the individual needs and capabilities of each student. The faculty of the chemistry department recognizes that students are most successful if their training has prepared them for a specific career field, but also recognizes that a broad background affords students the best opportunity for a future career.

Boise State University offers three emphases in the bachelor of science degree in chemistry. The general emphasis prepares students for employment as chemists or for admission to medical school. The professional emphasis, which is certified by the American Chemical Society, includes additional requirements that prepares students for a graduate program in chemistry, including linear algebra and differential equations. The biochemistry emphasis prepares students for admission to medical or dental school or for employment in technical fields requiring a strong background in chemistry, with knowledge of theories and techniques in genetics and molecular biology. In addition to a chemistry core of general, analytical, organic, inorganic and physical chemistry, requirements of the biochemistry emphasis include zoology, cell biology, and genetics. All three emphases require a full sequence of calculus and one year of physics.

Degree Requirements

**Chemistry
Biochemistry Emphasis
Bachelor of Science**

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3

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Chemistry, Biochemistry Emphasis (continued)	
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
B 301 Cell Biology	3
B 343 Genetics	3
BT 130 General Botany or Z 230 General Zoology	4-5
C 131, 132, 133, 134 College Chemistry and Labs	9
C 211, 212 Analytical Chemistry I and Lab	4
C 280 Chemical Literature	2
C 317, 318, 319, 320 Organic Chemistry and Labs	10
C 321, 322 Physical Chemistry	6
C 431, 432, 433 Biochemistry and Lab	7
C 440, 441 Spectrometric Identification and Lab	3
C 496 Independent Study	2
C 498 Chemistry Seminar	1
M 204 Calculus and Analytic Geometry	5
M 205 Calculus and Analytic Geometry	4
M 324 Multivariable and Vector Calculus	4
PH 211, 212, 213, 214 Physics and Labs	10
Electives to total 128 credits	11-12
Total	128
NOTE: Recommended electives are foreign language, upper-division mathematics, upper-division chemistry, upper-division physics, advanced topics in chemistry, and life science courses.	

Chemistry
General Emphasis
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
C 131, 132, 133, 134 College Chemistry and Labs	9
C 211, 212 Analytical Chemistry I and Lab	4
C 280 Chemical Literature	2
C 317, 318, 319, 320 Organic Chemistry and Labs	10
C 321, 322, 323, 324 Physical Chemistry and Labs	10
C 401 Advanced Inorganic Chemistry	3
C 411 Analytical Chemistry II	4
C 440 Spectrometric Identification	2
C 443 Advanced Chemical Preparations Laboratory	2
C 496 Independent Study	2
C 498 Chemistry Seminar	1

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Chemistry, General Emphasis (continued)	
M 204 Calculus and Analytic Geometry	5
M 205 Calculus and Analytic Geometry	4
M 324 Multivariable and Vector Calculus	4
PH 211, 212, 213, 214 Physics and Labs	10
Upper-division electives to total 40 credits	2
Electives to total 128 credits	23
Total	128
NOTE: Recommended electives are foreign language, upper-division mathematics, upper-division chemistry, upper-division physics, advanced topics in chemistry, and life science courses.	

Chemistry
Professional Emphasis
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
C 131, 132, 133, 134 College Chemistry and Labs	9
C 211, 212 Analytical Chemistry I and Lab	4
C 280 Chemical Literature	2
C 317, 318, 319, 320 Organic Chemistry and Labs	10
C 321, 322, 323, 324 Physical Chemistry and Labs	10
C 401 Advanced Inorganic Chemistry	3
C 411 Analytical Chemistry II	4
C 440 Spectrometric Identification	2
C 443 Advanced Chemical Preparations Laboratory	2
C 496 Independent Study	2
C 498 Chemistry Seminar	1
M 204 Calculus and Analytic Geometry	5
M 205 Calculus and Analytic Geometry	4
M 301 Linear Algebra	3
M 324 Multivariable and Vector Calculus	4
M 333 Differential Equations with Matrix Theory	3
PH 211, 212, 213, 214 Physics and Labs	10
Electives to total 128 credits	16
Total	128
NOTE: Recommended electives are foreign language, upper-division mathematics, upper-division chemistry, upper-division physics, advanced topics in chemistry, and life science courses.	

Chemistry Minor

Course Number and Title	Credits
C 131, 132, 133, 134 College Chemistry and Labs	9
C 211, 212 Analytical Chemistry I and Lab	4
C 317, 318, 319 Organic Chemistry and Lab	8
Total	21

Chemistry, Secondary Education
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
TE 201 Foundations of Education	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
BT 130 General Botany	4
C 131, 132, 133, 134 College Chemistry and Labs	9
C 211, 212 Analytical Chemistry I and Lab	4
C 280 Chemical Literature	2
C 317, 318, 319, 320 Organic Chemistry and Labs	10
C 321, 322, 323, 324 Physical Chemistry and Labs	10
C 498 Chemistry Seminar	1
Additional upper-division chemistry courses	3-4
M 204 Calculus and Analytic Geometry	5
M 205 Calculus and Analytic Geometry	4
M 324 Multivariable and Vector Calculus	4
PH 211, 212 Mechanics, Waves, and Heat and Lab	5
PH 213, 214 Electricity, Magnetism, and Optics and Lab	5
TE 172 Intro Secondary Teaching: Classroom Observation	1
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 Education of Exceptional Secondary Students	1
TE 381 Secondary School Methods	3
TE 384 Secondary School Science Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
TE 483 Senior High School Student Teaching	10
Z 230 General Zoology	5
Electives to total 128 credits	0-1
Total	128

NOTES: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See "Teacher Education" for more information. Students who do not have a chemistry degree may be certified to teach chemistry in secondary schools. See "Teacher Education," in which minor certification endorsements for teaching areas are listed.

Course Offerings

See page 53 for a definition of the course-numbering system.

C CHEMISTRY

CHEMISTRY LABORATORY FEE: A $10 laboratory fee per course is charged to all students enrolling in a chemistry laboratory.

Lower Division

C 100 CONCEPTS OF CHEMISTRY (3-3-4)(S)(Area III)[CHEM 100]. Acquaint students with chemistry and its relationship to other fields of study and modern life. Students who have received credit for C 109 or C 133 may not receive credit for C 100.

C 107 ESSENTIALS OF CHEMISTRY (3-0-3)(Area III)[CHEM 101]. The first semester of a sequence course for nonscience majors who require only one year of chemistry. Basic concepts of inorganic and organic chemistry. PREREQ: Satisfactory score on Mathematics Placement Exam "BA" and/or satisfactory completion of Math 020 is required. COREQ:C 108.

C 108 LABORATORY FOR ESSENTIALS OF CHEMISTRY (0-3-1)(Area III)[CHEM 101]. The laboratory to accompany C 107. COREQ: C 107.

C 109 ESSENTIALS OF CHEMISTRY (3-0-3)(S/SU)(Area III)[CHEM 102]. A continuation of C 107 to include basic concepts of biochemistry. PREREQ: C 107 and 108. COREQ: C 110.

C 110 LABORATORY FOR ESSENTIALS OF CHEMISTRY (0-3-1)(S/SU)(Area III)[CHEM 102]. The laboratory to accompany C 109. COREQ: C 109.

C 115 MATERIALS SCIENCE CHEMISTRY (3-0-3)(F). Chemistry and physics as they are applied to the electronics and semiconductor industry. PREREQ: Satisfactory score on Mathematics Placement Exam "BA" or satisfactory completion of M 020. COREQ: C 116.

C 116 MATERIALS SCIENCE CHEMISTRY LABORATORY (0-3-1)(F). The laboratory to accompany C 115. COREQ: C 115.

C 131 COLLEGE CHEMISTRY (3-0-3)(F/SU)(Area III)[CHEM 111]. The first semester of a one-year sequence course. A thorough study of the fundamentals of chemistry, including atomic and molecular structure, stoichiometry, physical states, and solutions. PREREQ: M 111 or successful completion of the C 131 Math exam. COREQ: C 132.

C 132 LABORATORY FOR COLLEGE CHEMISTRY (0-3-1)(F/SU)(Area III)[CHEM 111]. Laboratory work to accompany C 131. COREQ: C 131.

C 133 COLLEGE CHEMISTRY (3-0-3)(S/SU)(Area III)[CHEM 112]. A continuation of C 131 to include equilibrium, redox, and complexions. PREREQ: C 131, 132.

C 134 LABORATORY FOR COLLEGE CHEMISTRY (1-3-2)(S/SU)(Area III)[CHEM 112]. Laboratory work to accompany C 133. To include qualitative analysis. One hour of recitation and one three-hour laboratory per week. PREREQ: C 131, 132. COREQ: C 133.

C 211 ANALYTICAL CHEMISTRY I (3-0-3)(F). Introduce analytical technique with a focus on chemical equilibria as applied to gravimetric, volumetric, and instrumental analysis. PREREQ: C 131, 132, 133, 134.

C 212 ANALYTICAL CHEMISTRY I LABORATORY (0-3-1)(S). Practical application of analytical techniques through analysis of unknown samples using gravimetric, titrimetric, and instrumental methods. PREREQ: C 211 or concurrent enrollment.

C 280 CHEMICAL LITERATURE (2-0-2)(S). An introduction to the chemical literature, including the use of chemical abstracts, computer searching, and writing reports in accepted format. PREREQ: C 133 or PERM/INST.

C 286/386 DIRECTED READING IN CHEMISTRY (VARIABLE CREDIT). An individual study of a topic in chemistry arranged by the student in conjunction with a supervising member of the chemistry faculty.

C 296/396 RESEARCH IN CHEMISTRY (VARIABLE CREDIT). An individual laboratory research project in chemistry arranged by the student in conjunction with a supervising member of the chemistry faculty.

Upper Division

C 317 ORGANIC CHEMISTRY LECTURE (3-0-3)(F). An overview of organic chemistry covering the fundamental principles of nomenclature, reactions, synthesis, mechanisms, stereochemistry, proteins, and carbohydrates. Will fulfill the requirements for an elementary organic course and partially fulfill the requirements for a more rigorous course. PREREQ: C 131,132-133, 134. COREQ: C 319.

C 318 ORGANIC CHEMISTRY LECTURE (3-0-3)(S). An in-depth study of organic reaction mechanisms, reaction theory, and advanced organic synthesis. PREREQ: C 317, 319.

C 319 ORGANIC CHEMISTRY LABORATORY (1-3-2)(F). Basic organic laboratory techniques and simple organic syntheses. One three-hour laboratory and one hour of recitation per week. COREQ: C 317.

C 320 ORGANIC CHEMISTRY LABORATORY (1-3-2)(S). More advanced organic laboratory techniques, syntheses, classical organic qualitative analysis, and an introduction to spectroscopic methods. Three hours of laboratory and one hour of recitation per week. PREREQ: C 319. COREQ/PREREQ: C 318.

C 321, 322 PHYSICAL CHEMISTRY LECTURE (3-0-3)(F/S). Comprehensive study of the theoretical aspects of physical-chemical phenomena. Emphasis is placed on classical and statistical thermodynamics, kinetics, symmetry, spectroscopy, and quantum chemistry. A year's sequence (fall and spring). PREREQ: PH 213 and 214 or PERM/INST. M 324 or equivalent, C 134.

C 323, 324 PHYSICAL CHEMISTRY LABORATORY (0-6-2)(F/S). Methods of physical-chemical measurement, introduction to computerized data analysis, and technical report writing. This course illustrates the topics covered in C 321 and 322. The fall semester includes gases, thermodynamics, phase equilibria, and electrochemistry. The spring semester includes kinetics and spectroscopy. PREREQ: C 211 and 212 or PERM/INST. PREREQ/COREQ: C 321, 322 or concurrent enrollment. A year's sequence (fall and spring).

C 341, 342 GLASSBLOWING (0-3-1). C 341 acquaints students with the basics of scientific glassblowing. C 342 gives students practice in techniques and in construction of more complex apparatus. PREREQ: junior standing. Offered on demand.

C 401-401G ADVANCED INORGANIC CHEMISTRY (3-0-3)(F). Atomic structure, molecular structure using valence bond and molecular orbital theories, elementary group theory, transition metal coordination chemistry, acid/base theory. PREREQ: C 322 or PERM/INST.

C 411-411G ANALYTICAL CHEMISTRY II (2-6-4)(F). Advanced analytical methodology with a focus on modern chemical instrumentation, signal processing, and error analysis. PREREQ: C 212 and C 322.

C 422 ADVANCED TOPICS IN CHEMISTRY (3-0-3). Selected advanced topics from chemistry such as mass spectrometry, nuclear magnetic resonance spectroscopy, radiochemistry, environmental chemistry, and polymer chemistry. Students seeking graduate credit will be assigned additional work, including one or more term papers. PREREQ: C 322 or PERM/INST. Offered on demand.

C 431-431G BIOCHEMISTRY I (3-0-3)(F). A study of the chemistry of biologically important compounds and an introduction to metabolism. PREREQ: C 317.

C 432-432G BIOCHEMISTRY LABORATORY (0-3-1)(F/S). Identification, isolation, and reactions of biologically important compounds. PREREQ: C 431.

C 433-433G BIOCHEMISTRY II (3-0-3)(S). The function of biological compounds, including intermediary metabolism and synthesis of proteins. Cellular control mechanisms of these processes are integrated into the material. PREREQ: C 431.

C 440-440G SPECTROMETRIC IDENTIFICATION (2-0-2)(S). Identification of compounds using modern spectrometric techniques. PREREQ: C 318 and C 321.

C 441 SPECTROMETRIC IDENTIFICATION LABORATORY (0-3-1). Laboratory course to accompany C 440-440G. COREQ: C 440-400G.

C 443-443G ADVANCED CHEMICAL PREPARATION LABORATORY (1-3-2)(S). Advanced techniques in the preparation, isolation, and characterization of chemical compounds, with emphasis on inorganic compounds. One three-hour laboratory and one hour of recitation per week. PREREQ: C 401 or PERM/INST.

C 496 INDEPENDENT STUDY IN CHEMISTRY (Variable credit). An individual laboratory research project in chemistry selected by the student in conjunction with a supervising member of the chemistry faculty. An appropriate amount of library research and written reports is also required. PREREQ: C 280, C 318 and C 322.

C 498 SEMINAR (1-0-1)(S). Group discussions of individual reports on selected topics in the various fields of chemistry. PREREQ: C 280, chemistry major and senior standing.

Chiropractic, Pre-Professional Program — see Department of Health Studies

Coaching — see Department of Health, Physical Education and Recreation

Department of Communication

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Chair and Professor: Marvin Cox. *Professors:* Boren, McCorkle, McLuskie, Mills, Parker. *Associate Professors:* Craner, Lutze, Rudd, Wollheim. *Assistant Professors:* McPherson, Moore, Morris, Most, Rohlfing. *Visiting Professor:* Reese.

Degrees Offered

- B.A. and Minor in Communication
- B.A. in Mass Communication/Journalism Emphasis
- B.A. in Communication Training and Development Emphasis
- B.A. in Communication, Secondary Education
- B.A. in Communication/English, Journalism Emphasis
- B.A. in Communication/English, Humanities/Rhetoric Emphasis
- M.A. in Communication (See the *BSU Graduate Catalog.*)

Department Statement

The department offers courses leading to B.A. and M.A. degrees in communication. The bachelor's degree program offers students a choice of either (1) the general communication major, (2) a communication major specifying a particular emphasis area, or (3) a combined communication/English major. Students choosing the general major have the option of customizing their curriculum beyond departmental core requirements. These students are generally interested in focusing on interpersonal, relational, organizational, intercultural, rhetorical, and/or performance-related communication. Students who choose a major specifying an emphasis area within communication (i.e., mass communication/journalism, secondary education, and training and development), receive more guidance and requirements specific to a particular vocation than do students in the general major. Finally, students choosing the combined major with English choose to concentrate heavily on humanities as they study journalism or rhetoric. Students who are nonmajors may be interested in pursuing the minor in communication — also offered by the department.

The communication discipline looks at how theories, philosophies, and the roles people assume, operate in personal and public arenas. We study how people articulate their ideas, create and interpret meaning, interact, and produce and analyze messages both face to face and through the media. All communication programs are designed to produce graduates with a strong intellectual background in critical thinking, problem-solving, research, and independent scholarship. Issues of specific concern in classes are cultural perception, social ethics, creativity, and freedom of expression. Most classes are speaking and/or writing-intensive, and all focus on the interdependence of theory and practice.

Beyond the classroom experience, students enliven their learning through participation in a number of available activities. e.g., campus newspaper (*the Arbiter*), KBSU Radio, University Television Productions, intercollegiate speaking competition, campus readers' theater, mediation services, and internships. Students are encouraged to participate in internships and practica. A total of 6 credits from internships and practica may count toward departmental major requirements; additional credits may count toward general education electives. The work of many students participating in these activities has been recognized through national awards.

Admission to Upper-Division Core Courses in Communication

Prior to admission to the first of the required upper division core courses in communication, CM 304 Perspectives of Inquiry, students must have completed the following courses with a minimum grade of C in each:

- E 102; CM 160; CM 161;
- One of the following from Area I: PY 101 or PY 221;

- One of the following from Area II: SO 101 or SO 102 or SO 230;
- One of the following from Area III: M 100, M 105, M 106, M 111, M 204, or M 205.

Degree Requirements

Communication
Bachelor of Arts

Course Number and Title	Credits
E 101, *102 English Composition	6
Area I — see page 41 for list of approved courses	
*PY 101 Introduction to Philosophy **OR**	3
*PY 221 Introduction to Logic	
Area I core course in literature	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
*SO 101 Introduction to Sociology **OR**	3
*SO 102 Social Problems **OR**	
*SO 230 Introduction to Multiethnic Studies	
Area II core course in history	3
Area II core course in a third field	3
Area II core course in any field	3
Communication majors may not use communication courses to satisfy Area II requirements.	
Area III — see page 41 for list of approved courses	
*Mathematics chosen from M 100, 105, 106, 111, 204, or 205	4
Area III core course in a second field	4
Area III core course in any field	4
Additional Area I and II courses Communication majors may not use communication courses to satisfy Area II requirements.	9
*CM 160 Communication and Culture I	3
*CM 161 Communication and Culture II	3
CM 304 Perspectives of Inquiry	3
CM 421 Theory and Philosophy of Communication	3
CM 498 Communication Seminar	3
Upper-division communication courses	18
Communication course	3
Upper-division electives to total 40 credits Credits from all 300- and 400-level courses, whether elective or required, are applicable. The number in the right-hand column is the approximate number of additional upper-division credits required beyond those automatically accumulated in satisfying the communication requirement.	13
Electives to total 128 credits The number in the right-hand column is the approximate number of elective credits remaining that can be taken at either the upper- or lower-division levels.	28
Total	128

NOTE: *Students must complete each of these courses with a grade of C or higher before being admitted to upper-division core courses in communication.

Mass Communication/Journalism
Bachelor of Arts

Course Number and Title	Credits
E 101, *102 English Composition	6
Area I — see page 41 for list of approved courses	
*PY 101 Introduction to Philosophy **OR**	3
*PY 221 Introduction to Logic	
Area I core course in literature	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
*SO 101 Introduction to Sociology **OR**	3
*SO 102 Social Problems **OR**	
*SO 230 Introduction to Multiethnic Studies	
Area II core course in history	3
Area II core course in a third field	3
Area II core course in any field	3
Communication majors may not use Communication courses to satisfy Area II requirements	
Area III — see page 41 for list of approved courses	
*Mathematics chosen from M 100, 105, 106, 111, 204, or 205	4
Area III core course in a second field	4
Area III core course in any field	4
Additional Area I and II courses Communication majors may not use communication courses to satisfy Area II requirements.	9
*CM 160 Communication and Culture I	3
*CM 161 Communication and Culture II	3
CM 304 Perspectives of Inquiry	3
CM 421 Theory and Philosophy of Communication	3
CM 498 Communication Seminar	3
At least 2 of the following: CM 268 Introduction to Media Production CM 273 Reporting and News Writing CM 363 Advanced Writing Workshop CM 364 Visual Communication CM 368 Advanced Audio Production CM 369 Video Post-Production CM 370 Advanced Video Production CM 373 Reporting Public Affairs CM 486 Special Studies in Media Production	6
At least 4 courses from the following: CM 360 Media Aesthetics and Culture CM 362 Legal and Ethical Issues of Mass Media CM 466 Communication Technology and Social Change CM 467 Mass Communication and Democracy CM 487 Special Studies in Media Theory	12
Communication course	3
Upper-division electives to total 40 credits Credits from all 300- and 400-level courses, whether elective or required, are applicable. The number in the right-hand column is the approximate number of additional upper-division credits required beyond those automatically accumulated in satisfying the communication requirement.	15
Electives to total 128 credits The number in the right-hand columns is the approximate number of elective credits remaining that can be taken at either the upper- or lower-division levels.	26
Total	128

NOTE: *Students must complete each of these courses with a grade of C or higher before being admitted to upper-division core courses in communication.

Communication, Secondary Education Bachelor of Arts

Course Number and Title	Credits
E 101, *102 English Composition	6
Area I — see page 41 for list of approved courses	
*PY 101 Introduction to Philosophy **OR**	3
*PY 221 Introduction to Logic	
Area I core course in literature	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
*SO 101 Introduction to Sociology **OR**	3
*SO 102 Social Problems **OR**	
*SO 230 Introduction to Multiethnic Studies	
TE 201 Foundations of Education	3
Area II core course in history	3
Area II core course in any field	3
Communication majors may not use Communication courses to satisfy Area II requirements.	
Area III — see page 41 for list of approved courses	
*Mathematics chosen from M 100, 105, 106, 111, 204, or 205	4
Area III core course in a second field	4
Area III core course in any field	4
Additional Area I and II courses	9
Communication majors may not use communication courses to satisfy Area II requirements.	
*CM 160 Communication and Culture I	3
*CM 161 Communication and Culture II	3
CM 304 Perspectives of Inquiry	3
CM 421 Theory and Philosophy of Communication	3
CM 498 Communication Seminar	3
Required emphasis courses:	
CM 112 Reasoned Discourse	3
CM 114/314 Communication Activities	2-4
CM 221 Interpersonal Communication	3
CM 231 Public Speaking	3
CM 356 Communication in the Small Group	3
CM 401 Methods of Teaching Communication	3
CM 493 Internship in Directing Forensics	1-2
An additional 9 credits chosen from the following:	9
CM 171 Mass Media and Society	
CM 321 Rhetorical Theories	
CM 341 Nonverbal Communication	
CM 351 Intercultural Communication	
CM 390 Conflict Management	
CM 412 Persuasion	
CM 214/CM 414 Intercollegiate Debate	
CM 484 Studies in Rhetoric and Public Presentation	
TE 172 Intro Secondary Teaching: Classroom Observation	1
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 Education of Exceptional Secondary Students	1
TE 381 Secondary School Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
TE 483 Senior High School Student Teaching	10
Upper-division electives to total 40 credits	0-2
Credits from all 300- and 400-level courses, whether elective or required, are applicable. The number in the right-hand columns is the approximate number of additional upper-division credits required beyond those automatically accumulated in satisfying the communication requirement.	

— continued —

Communication, Secondary Education (continued)

Electives to total 128 credits The number in the right-hand column is the approximate number of elective credits remaining that can be taken at either the upper or lower-division levels.	9-12
Total	128

NOTE: *Students must complete each of these courses with a grade of C or higher before being admitted to upper-division core courses in communication.
It is strongly recommended that students seeking teacher certification in communication complete a teaching minor or minors in theatre arts, English, journalism, or other fields commonly taught in secondary schools. A student with a single teaching field must complete at least 45 credits in that field. See Certification Requirements and Endorsements for Secondary Education as listed in the Teacher Education section of the catalog. Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See: "Teacher Education" for more information.

Communication Training and Development Bachelor of Arts

Course Number and Title	Credits
E 101, *102 English Composition	6
Area I — see page 41 for list of approved courses	
*PY 101 Introduction to Philosophy **OR**	3
*PY 221 Introduction to Logic	
Area I core course in literature	3
Area I core course in humanities	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
EC 206 Principles of Macroeconomics	3
*P 101 General Psychology **OR**	3
*SO 101 Introduction to Sociology	
Area II core course in history	3
Area II core course in any field	3
Communication majors may not use Communication courses to satisfy Area II requirements.	
Area III — see page 41 for list of approved courses	
*M 105 Mathematics for Business Decisions	4
*M 106 Mathematics for Business Decisions	4
Area III core course in any field	4
Additional Area I or II courses chosen from AN 102, P 295, P 441, SO 210, SO 310, TE 208, or TE 356.	9
Communication majors may not use communication courses to satisfy Area II requirements.	
*CM 160 Communication and Culture I	3
*CM 161 Communication and Culture II	3
CM 304 Perspectives of Inquiry	3
CM 421 Theory and Philosophy of Communication	3
CM 498 Communication Seminar	3
CM 255 Introduction to Communication Training and Development	3
CM 355 Developing Communication Training	3
At least one course from each of the following:	15
Presentation/Production Competencies (CM 231, 268)	
Interpersonal Competencies (CM 131, 221, 307, 341, 390, 481)	
Group and Organizational Competencies (CM 356, 361, 431)	
Writing Competencies (CM 273, 363)	
CM 493 Internship	
Approved minor in a related field (for example, art, biology, business, or economics). Chapter 12 contains a list of approved minors. The exact number of credits varies from minor to minor.	21
The number in the right hand column is the approximate number of credits needed to complete an approved minor, the exact number will depend on the approved minor chosen.	
Upper-division electives to total 40 credits	13
Credits from all 300- and 400-level courses, whether elective or required, are applicable. The number in the right-hand column is the approximate number of additional upper-division credits required beyond those automatically accumulated in satisfying the communication requirement.	
Electives to total 128 credits	7
The number in the right-hand column is the approximate number of elective credits remaining that can be taken at either the upper- or lower-division levels.	
Total	128

NOTE: *Students must complete each of these courses with a grade of C or higher before being admitted to upper-division core courses in communication.

Communication/English
Bachelor of Arts
Journalism Emphasis

Course Number and Title	Credits
E 101, *102 English Composition	6
Area I — see page 41 for list of approved courses	
*PY 101 Introduction to Philosophy **OR** *PY 221 Introduction to Logic	3
Area I core course in literature	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
*SO 101 Introduction to Sociology **OR** *SO 102 Social Problems **OR** *SO 230 Introduction to Multiethnic Studies	3
Area II core course in history	3
Area II core course in a third field	3
Area II core course in any field Students in this major may not use communication courses to satisfy Area II requirements.	3
Area III — see page 41 for list of approved courses	
*Mathematics chosen from M 100, 105, 106, 111, 204, or 205	4
Area III core course in a second field	4
Area III core course in any field	4
Additional Area I or II courses Students in this major may not use communication courses to satisfy Area II requirements	9
*CM 160 Communication and Culture I	3
*CM 161 Communication and Culture II	3
CM 273 Reporting and Newswriting	3
CM 304 Perspectives of Inquiry	3
CM 421 Theory and Philosophy of Communication	3
6 credits chosen from the following: CM 362 Legal and Ethical Issues of Mass Media CM 466 Communication Technology and Social Change CM 467 Mass Communication and Democracy CM 487 Studies in Media Theory	6
Upper-division mass communication or journalism courses	6
English to total 27 credits: E 275 Intro to Literary Studies British literature or American literature survey course Composition above the basic sequence, to be chosen from E 201 Nonfiction Writing, the creative writing sequence, and technical communication. LI 305 Introduction to Language Study Upper-division literature courses (at least 3 credits in courses before 1800)	 3 3 9 3 9
CM 498 or E 498 Senior Seminar	3
Upper-division electives to total 40 credits Credits from all 300- and 400-level courses, whether elective or required, are applicable. The number in the right-hand column is the approximate number of additional upper-division credits required beyond those automatically accumulated in satisfying the communication requirement.	3-6
Electives to total 128 credits The number in the right-hand column is the approximate number of elective credits remaining that can be taken at either the upper- or lower-division levels.	14-17
Total	128
NOTE: *Students must complete each of these courses with a grade of C or higher before being admitted to upper-division core courses in communication.	

Communication/English
Bachelor of Arts
Humanities/Rhetoric Emphasis

Course Number and Title	Credits
E 101, *102 English Composition	6
Area I — see page 41 for list of approved courses	
*PY 101 Introduction to Philosophy **OR** *PY 221 Introduction to Logic	3
Area I core course in literature	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
*SO 101 Introduction to Sociology **OR** *SO 102 Social Problems **OR** *SO 230 Introduction to Multiethnic Studies	3
Area II core course in history	3
Area II core course in a third field	3
Area II core course in any field Students in this major may not use communication courses to satisfy Area II requirements.	3
Area III — see page 41 for list of approved courses	
*Mathematics chosen from M 100, 105, 106, 111, 204, or 205	4
Area III core course in a second field	4
Area III core course in any field	4
Additional Area I and II courses Students in this major may not use communication courses to satisfy Area II requirements.	9
*CM 160 Communication and Culture I	3
*CM 161 Communication and Culture II	3
CM 221 Interpersonal Communication	3
CM 231 Public Speaking **OR** CM 484 Studies in Rhetoric and Public Presentation	3
CM 304 Perspectives of Inquiry	3
CM 321 Rhetorical Theories **OR** CM 331 Message Analysis and Criticism	3
CM 421 Theory and Philosophy of Communication	3
Upper-division communication courses	6
English courses to total 27 credits E 275 Intro to Literary Studies British literature or American literature survey course HU 207, 208 Intro to Humanities Advanced writing and linguistics LI 305 Intro to Language Studies Upper-division courses	 3 3 3 6 3 9
CM 498 or E 498 Senior Seminar	3
Upper-division electives to total 40 credits Credits from all 300- and 400-level courses, whether elective or required, are applicable. The number in the right-hand column is the approximate number of additional upper-division credits required beyond those automatically accumulated in satisfying the communication requirement.	12-15
Electives to total 128 credits The number in the right-hand column is the approximate number of elective credits remaining that can be taken at either the upper- or lower-division levels.	12-15
Total	128
NOTE: *Students must complete each of these courses with a grade of C or higher before being admitted to upper-division core courses in communication.	

Communication Minor

Notes	Credits
Students majoring in another department may select a a 25 hour communication minor. At least 10 hours of the minor must be upper-division credit. No more than a total of 3 hours may be selected from CM 114, 293, 314, 451, or 493.	15
At least 10 hours of the minor must be upper-division credit.	10
Total	25

Course Offerings

See page 53 for a definition of the course-numbering system.

CM COMMUNICATION

Lower Division

CM 111 FUNDAMENTALS OF SPEECH COMMUNICATION (3-0-3)(Area II)[COMM 101]. Fundamental principles of effectively preparing, presenting, and critically consuming messages in one-to-one, small group, and public speaking contexts.

CM 112 REASONED DISCOURSE (3-0-3)(Area II)(F/S). Introduction to logical reasoning and the role of the advocate in a free society. Analysis of propositions, issues, arguments, evidence, fallacies of arguments, and various systems of reasoning. Preparation for and participation in activities designed to apply the principles of logical reasoning in the public forum.

CM 114 COMMUNICATION ACTIVITIES (Variable, 1 to 3)(F/S). Preparation for and participation in communication activities: competitive forensics and community speaking, university television productions, or other co-curricular communication activities. PREREQ: PERM/INST. CM 114 and CM 314 may be repeated for up to four credits each. Not more than four credits total of CM 114, CM 214, CM 314 OR CM 414 may be applied toward the degree in communication.

CM 115 INTRODUCTION TO COMMUNICATION STUDIES (1-0-1)(F/S). Dimensions of human communication, historical and contemporary concepts, communication degree programs and career opportunities (Graded Pass/Fail).

CM 121 VOICE AND DICTION (3-0-3)(F/S). Study of the vocal mechanism, voice quality, pitch, rate, volume, and intensity in the production of speech. An investigation of the student's individual speech problems.

CM 122 INTRODUCTION TO SIGN LANGUAGE (3-0-3)(F/S). An introduction to sign language using American Sign Language (ASL). Emphasis is placed on initial skills and the history of sign language.

CM 131 LISTENING (3-0-3)(F/S). Theory and practice of our most-used communication skill. Analysis of variables as they promote or impede the process of listening.

CM 160 COMMUNICATION AND CULTURE I (3-0-3)(F/S). An introduction to the study of communication and culture. The course will examine central concepts and theories in the field of communication and cultural studies, and focus upon current issues and theoretical perspectives in the study of rhetoric, communication relationships, and the art and performance of communication.

CM 161 COMMUNICATION AND CULTURE II (3-0-3)(F/S). An introduction to the study of communication and culture. The course will focus upon current issues and theoretical perspectives in the study of mass media, communication ethics, communication technologies and freedom of expression.

CM 171 MASS MEDIA AND SOCIETY (3-0-3)(F/S). An examination of the role of mass media in contemporary society. Emphasis on the inter-relationships between media and other social and political institutions, and on critical analysis of current media issues.

CM 214 INTERCOLLEGIATE DEBATE (1-0-1) (F/S). Preparation for and participation in intercollegiate tournament debate, including an intensive study of the current CEDA National Collegiate Debate Topic. COREQ: CM 114 or 314. PREREQ: PERM/INST, CM 214 and 414 may be repeated for up to four credits each. Not more than four credits total of CM 114, 214, 314, or 414 may be applied toward the degree in communication.

CM 221 INTERPERSONAL COMMUNICATION (3-0-3)(F/S). An examination of the nature of human communication. Focuses, through experiential learning, on awareness of self, communicative relationships and context.

CM 231 PUBLIC SPEAKING (3-0-3)(F/S). Analysis of methods and techniques of message composition. Practice in the presentation of public speeches.

CM 255 INTRODUCTION TO COMMUNICATION TRAINING AND DEVELOPMENT (3-0-3)(F/S). Designed primarily for students interested in communication-based training and development careers. A survey of theories and techniques of communication training and development in human organizations.

CM 268 INTRODUCTION TO MEDIA PRODUCTION (3-0-3)(F/S). The course will introduce students to the theory and practice of audio and video production. Emphasis is placed on using audio and video as effective means of human communication and self-expression.

CM 273 REPORTING AND NEWS WRITING (3-0-3)(F/S). Fundamentals of reporting, from techniques of interviewing and fact-gathering through the construction of the news story. Emphasis on accuracy, conciseness, and clarity in writing. Study of newspaper styles, usage, grammar, punctuation, capitalization, and the use of copy editing symbols. PREREQ: E 102 and ability to use typewriter or PERM/INST.

Upper Division

CM 300 COMMUNICATION ISSUES, INDUSTRIES AND INQUIRY IN CANADA (3-0-3)(S). Describes Canadian communication industries, issues, and inquiry, especially the question of cultural identity for Canada. Discusses governmental communication policy as a tool for preserving national, regional, and tribal identity. Examines Canadian scholars of communication. Cross-listed as CN 300 for credit in the Canadian studies minor.

CM 302 RESEARCH METHODS (3-0-3)(F/S). Historical, critical, descriptive, and experimental research methods and tools in communication. Students design, conduct, report, and evaluate research projects.

CM 304 PERSPECTIVES OF INQUIRY (3-0-3)(F/S). A study of the sources and nature of knowledge, assumptions about knowledge, processes by which knowledge is developed, and perspectives of theoretical inquiry. PREREQ: Completion of the following courses with a minimum grade of C in each: E 102, CM 160, CM 161; One of the following from Area I: PY 101 or PY 221; One of the following from Area II: SO 101 or SO 102 or SO 230; One of the following from Area III: M 100, M 105, M 106, M 111, M 204, or M 205.

CM 307 INTERVIEWING (3-0-3)(F/S). Communication behavior in two-person situations. Practical experience in various types of interviews as confronted in business, in education, and in the professions.

CM 311 SPEECH COMMUNICATION FOR TEACHERS (3-0-3)(F/S). Designed to improve the prospective teacher's awareness of communicative processes related to effective teaching; emphasis on various communication situations confronted by teachers, and strategies for achieving good student-teacher relationships. PREREQ: CM 255 or admission to teacher education program.

CM 314 COMMUNICATION ACTIVITIES (Variable, 1 to 3)(F/S). Preparation for and participation in communication activities: competitive forensics and community speaking, university television productions, or other co-curricular communication activities. PREREQ: PERM/INST. CM 114 and CM 314 may be repeated for up to four credits each. Not more than four credits total of CM 114, CM 214, CM 314 OR CM 414 may be applied toward the degree in communication.

CM 321 RHETORICAL THEORIES (3-0-3)(F/S). An examination of theories concerning the complexity of interaction among ideas, messages, and people, including analysis of various message strategies.

CM 322 INTERMEDIATE SIGN LANGUAGE (3-0-3)(F/S). A continuation in building skills, vocabulary, and techniques in American Sign Language (ASL). A refining of abilities in communication will be stressed. Techniques for using a total communication with the deaf will be expanded to cover various educational and social situations. PREREQ: CM 122.

CM 331 MESSAGE ANALYSIS AND CRITICISM (3-0-3)(F/S). An evaluation of methods of analyzing and criticizing messages and their application to making critical appraisals of public communication.

CM 332 CONTEMPORARY PUBLIC COMMUNICATION (3-0-3)(F/S). The nature, function, and influence of public communication in contemporary society. An examination of major events and issues in an attempt to identify particular characteristics of public dialogue which reflect, reinforce, and alter public opinion.

CM 341 NONVERBAL COMMUNICATION (3-0-3)(F/S). An examination of the function of nonverbal behavior codes in communication.

CM 351 INTERCULTURAL COMMUNICATION (3-0-3). An analysis of societal and cultural influences on interpersonal communication. A critical examination of communication within and among subcultures as well as across cultural boundaries.

CM 355 DEVELOPING COMMUNICATION TRAINING (3-0-3)(F/S). Analysis of processes of communication training. Developing skills in designing, preparing, presenting, and evaluating training activities. PREREQ: CM 255 and CM 302.

CM 356 COMMUNICATION IN THE SMALL GROUP (3-0-3)(F/S). A study of human interaction in small groups. A blending of theory and practical experience focusing upon group development, roles, norms, team building, problem-solving, conflict, and leadership.

CM 360 MEDIA AESTHETICS AND CULTURE (3-0-3)(S). An examination of the form and cultural values of mass media programs, the relationship between audiences and media products, and approaches to critical analysis of media products. PREREQ: CM 171.

CM 361 ORGANIZATIONAL COMMUNICATION (3-0-3)(F/S). The application of communication theory and methodology to the study of communication within the formal organization. Theories and problems of human communication within and between organizations.

CM 362 LEGAL AND ETHICAL ISSUES OF MASS MEDIA (3-0-3)(F/S). Examination of media-related ethical and legal issues facing media practitioners and the public.

CM 363 ADVANCED WRITING WORKSHOP (3-0-3)(F/S). Advanced instruction in various forms of journalistic writing, including feature and critical writing. PREREQ: CM 273.

CM 364 VISUAL COMMUNICATION (3-0-3)(F/S). Theory and practice of various forms of visual communication, including photography and graphics.

CM 368 ADVANCED AUDIO PRODUCTION (3-0-3)(F/S). Advanced work in the theory and practice of audio-production, including advanced production techniques, aesthetic strategies, and multi-track recording. PREREQ: CM 268. PREREQ or COREQ: At least one of: CM 360, CM 362, CM 466, CM 467, CM 487.

CM 369 VIDEO POST-PRODUCTION (3-0-3)(F/S). Production strategies and techniques of computer-based video editing, graphics and animation. PREREQ: CM 268. PREREQ or COREQ: At least one of: CM 360, CM 362, CM 466, CM 467, CM 487.

CM 370 ADVANCED VIDEO PRODUCTION (3-0-3)(F/S). Advanced work in theory and practice of video production. Development and production of full-length video and programs. PREREQ: CM 268. PREREQ or COREQ: At least one of: CM 360, CM 362, CM 466, CM 467, CM 487.

CM 373 REPORTING PUBLIC AFFAIRS (3-0-3)(F/S). Theory and practice of covering governmental and community affairs. Examination of the beat system and developing sources. PREREQ: CM 273 or PERM/INST.

CM 390 CONFLICT MANAGEMENT (3-0-3)(S). Examination of the causes of conflict, conflict management theory, and conflict management techniques applied in interpersonal, intergroup, organizational, and community settings. Discussion and skill development through experiential learning will focus on such conflict management techniques as interpersonal management, mediation, arbitration, negotiation, and reconciliation. Students may not receive credit for both SO 390 and CM 390. PREREQ: SO 290 or CM 111, upper-division standing.

CM 401 METHODS OF TEACHING COMMUNICATION (3-0-3)(S). Analysis and planning of curriculum for speech communication. A study of instructional materials, classroom techniques and methods, development of behavioral objectives, and management of curricular programs.

CM 412 PERSUASION (3-0-3)(F/S). Emphasis on theories of persuasion. Examination of variables and message strategies relevant to the persuasive process. Application of theory through the analysis and/or construction of persuasive messages.

CM 414 INTERCOLLEGIATE DEBATE (1-0-1) (F/S). Preparation for and participation in intercollegiate tournament debate, including an intensive study of the current CEDA National Collegiate Debate Topic. COREQ: CM 114 or 314. PREREQ: PERM/INST, CM 214 and 414 may be repeated for up to four credits each. Not more than four credits total of CM 114, 214, 314, or 414 may be applied toward the degree in communication.

CM 421 THEORY AND PHILOSOPHY OF COMMUNICATION (3-0-3)(F/S). Students explore various generic philosophies of communication and the perspectives of inquiry they imply, culminating in the articulation of a theory of communication. PREREQ: C or above in CM 304, and any one of the following courses: CM 302, E 488-488G, HY 210, or SO 311.

CM 431 SMALL GROUP PROCESS (3-0-3)(F). An advanced study of variables and theories affecting the communicative interaction of small groups.

CM 451 COMMUNICATION PRACTICUM (Variable 1 to 4)(F/S). Directed study emphasizing the practical application of skills and theory relevant to human communication. An opportunity to focus on areas of special interest to the student. May be repeated for a total of four credits.

CM 466 COMMUNICATION TECHNOLOGY AND SOCIAL CHANGE (3-0-3)(F/S). The history and evolution of communication and mass communication technologies, focusing upon the social/cultural impact of such technologies.

CM 467 MASS COMMUNICATION AND DEMOCRACY (3-0-3)(F/S). A study of the role of mass communication in the democratic process, focusing upon the ways mass media both contribute to and inhibit the development of a viable public sphere and effective political process.

CM 478 PUBLIC RELATIONS (3-0-3)(S). Analysis of public relations media and methods. Public relations as a management tool. Identifying and reaching the various publics. Practice in writing publicity releases.

NOTE: The next five courses below cover a variety of technical and theoretical subjects in human communication. They involve a variety of approaches and activities. These courses are scheduled as necessary to meet student and community needs. Consult the *BSU Directory of Classes* for specific courses and content offerings. Each general course is repeatable, but the specific topic of study within the course is not repeatable.

CM 480 STUDIES IN JOURNALISTIC COMMUNICATION (3-0-3)(F/S). Advanced instruction in theories about, history of, and preparation of nonfiction content for the mass media. Content varies from semester to semester. Subjects may include public affairs reporting, journalism history, documentary scriptwriting, etc. PREREQ: Upper-division standing and PERM/INST.

CM 481 STUDIES IN INTERPERSONAL COMMUNICATION (3-0-3)(F/S). The examination of issues, contexts, and particulars of interpersonal communication. Content varies from semester to semester. Subjects may include: conflict management, general semantics, male-female communication, etc. PREREQ: PERM/INST.

CM 483 STUDIES IN ORGANIZATIONAL COMMUNICATION (3-0-3)(F/S). The study of basic communication principles as applied to or affected by the organizational setting. Content varies from semester to semester. Subjects may include communication theories of organizational management, negotiation, human relations training, etc. PREREQ: PERM/INST.

CM 484 STUDIES IN RHETORIC AND PUBLIC PRESENTATION (3-0-3)(F/S). Historical, theoretical, and practical study in various forms of communication presentation. Content varies from semester to semester. Subjects may include advanced public speaking, group interpretation, theory of debate, etc. PREREQ: PERM/INST.

CM 485 STUDIES IN THE INTER-RELATIONSHIP BETWEEN GENDER AND COMMUNICATION (3-0-3)(F/S). Instruction in gender as a variable in communicative behaviors. Content varies semester to semester. Subjects may include: gender issues in interpersonal and organizational communication; power, gender and nonverbal communication; feminist rhetoric.

CM 486 STUDIES IN MEDIA PRODUCTION (3-0-3)(F/S). Advanced work in the production of media programs, including journalism, audio and video. Specific content varies from semester to semester. Course may be repeated for credit.

CM 487 STUDIES IN MEDIA THEORY (3-0-3)(F/S). Critical evaluation of contemporary theoretical trends and issues in the study of mass media. Content varies from semester to semester. Course may be repeated for credit.

CM 493 INTERNSHIP (Variable credits). Supervised field work. For more information on internships, see "BSU's Course Numbering System" in Chapter 12.

CM 496 INDEPENDENT STUDY (1-4 Credits). Individual study of either a reading or project nature.

CM 498 COMMUNICATION SEMINAR (3-0-3)(F/S). Students demonstrate their ability to theorize, discover, analyze, evaluate, report, and defend a project about human communication. PREREQ: CM 421 and senior standing.

Department of Computer Information Systems and Production Management

Business Building, Room 308 Telephone 208 385-1181
http://www.idbsu.edu/is/index.html Fax Telephone 208 385-1135
e-mail: cispomgen@cobfac.idbsu.edu

Chair and Professor: Gerald LaCava. *Professors:* Brender, Green, Groebner, Minch, Shannon. *Associate Professors:* Anson, P. Fry, Gallup, Maxson, G. Wojtkowski, W. Wojtkowski. *Assistant Professors:* Foster, Nagasundaram. *Special Lecturer:* S. Fry.

Degrees Offered

- B.B.A., B.A., B.S, and Minor in Computer Information Systems
- B.B.A., B.A., and B.S. in Production and Operations Management
- Minor in Quality Management

Department Statement

Computer Information Systems (CIS) is a field of study merging several different disciplines, including organizational behavior, management, accounting, management science, and computing technology. The central focus of CIS is the development and maintenance of information technology to support organizational business processing and decision making. The basic purpose of the program is to prepare students for careers in providing information technology services, including careers in end-user computing, database administration, application programming, systems analysis and development, information center service, operations, and information resource management. While providing a thorough education in computing and general business, along with a broad background in the arts and sciences, the CIS program emphasizes a balance between technological, human, and organizational considerations in the application of information technology.

The Production and Operations Management (POM) Program is dedicated to ensuring that United States manufacturing and service industries are highly productive and competitive in today's global economy. To accomplish this objective, the POM program integrates fundamentals from most of the functional areas of business (such as information management, finance, economics, accounting, and marketing) with the analytical techniques and skills necessary for competent decision making. Classes emphasize quality and productivity through real applications and interaction with practitioners from local businesses and government. Students are encouraged to add depth to their study through internships and directed independent study. For these reasons, graduates of the program should be especially well prepared for

advancement to decision-making positions in either the private or public sector.

The Production and Operations Management major emphasizes two important production areas:

- The Operations Systems Emphasis prepares students to work in the more traditional production areas such as manufacturing, scheduling, or purchasing, but emphasizes the expanding uses of technology and quantitative modeling in managing the production function.
- The Quality Management Emphasis prepares students to address quality and customer issues in both manufacturing and service operations.

Career opportunities are excellent for graduates of the Computer Information Systems Program and the Production and Operations Management Program. There is a great demand by industry and government for individuals who have a solid educational background of the kind provided by BSU's programs. Our students are assured of receiving a high-quality education for the following reasons.

- **We have highly qualified and dedicated faculty.** All full-time faculty in the department hold doctoral degrees and are engaged in state-of-the-field scholarly work. The faculty is dedicated to the teaching profession and uses a variety of innovative teaching methods and technologies. Our faculty is genuinely interested in the education and well being of our students.
- **The curriculum is at the forefront of developments in each field.** Students will be challenged with the most current thinking in their discipline.
- **There is a great deal of involvement with local organizations.** Our department has advisory boards of business leaders who work with the department to enhance our educational mission. A number of internships are offered, and students are encouraged to take advantage of these unique learning experiences. Most professors bring into class experienced professionals as guest lecturers. Many classes also require projects involving field work, in addition to on-site tours at local firms.
- **A state-of-the-art teaching environment is maintained in the College of Business and Economics.** The Micron Electronic Classroom, and the Electronic Meeting Room allow for teaching and research in group decision support, electronic meetings, and team building.
- **Student organizations provide leadership opportunities and educational programs.** The student chapter of the Data Processing Management Association has a tradition of serving the education, social, and professional needs of our computer information systems majors. Similar advantages are offered to production and operations management students through the student chapter of the Association of Production and Inventory Control Systems.

Required Programs

Computer Information Systems
Bachelor of Business Administration

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core courses	6
Area II — see page 41 for list of approved courses	
EC 205 Principles of Microeconomics	3
EC 206 Principles of Macroeconomics	3
Area II core course other than economics	3
Area II core course other than economics	3
Area III — see page 41 for list of approved courses	
Area III core course - (M 105 or M 111)	4-5
Area III core course - (M 106 or M 204)	4-5
Area III core course in a lab science	4

— continued —

Computer Information Systems (continued)	
AC 205 Introduction to Financial Accounting AC 206 Introduction to Managerial Accounting AC 351 Cost Accounting	3 3 3
BU 328 Business Communications	3
FI 303 Principles of Finance	3
GB 202 Legal Environment of Business GB 360 Business Ethics and Social Responsibility GB 450 Business Policies	3 3 3
IS 102 Computer Applications IS 217 End-User Computing IS 320 Systems Analysis and Design IS 490 Information Resource Management	3 3 3 3
MG 301 Management and Organizational Theory MG 401 Organizational Behavior MK 301 Principles of Marketing	3 3 3
PR 207 Statistical Techniques I PR 208 Statistical Techniques II PR 345 Principles of Production Management	3 3 3
CIS major credits Five CIS courses chosen from IS 361, IS 380, IS 417, IS 430, IS 455, IS 460, IS 493 IS 497, PR 366, PR 380, PR 408, PR 409, PR 416, PR 497. No more than one PR course may be used to satisfy this requirement. No more than three credits of internship (IS 493) may be used to satisfy this requirement.	15
International business course Upper-division courses in international business may be used to satisfy this requirement.Special-topics courses may be used only with the approval of a CIS advisor.	3
Procedural language course Suggested procedural language courses: IS 221, CS 113, CS 115, or CS 125.	3
Nonbusiness courses Must include courses from at least two of the following: Area I (Arts and Humanities), Area II (Social Sciences), or Area III (Natural Sciences and Mathematics). However, the selections need not be from the list of university core courses.	16
Electives to total 128 credits	1
Total	128
NOTE: All courses in the major must be completed with a grade of C or higher.	

BSU baccalaureate students may earn a minor in computer information systems by satisfying the requirements listed below (a total of 20-21 credit hours) in addition to their major requirements. **Students in the minor program must sign up with the department of computer information systems and production management.**

Computer Information Systems Minor

Course Number and Title	Credits
IS 102 Computer Applications IS 217 End User Computing IS 320 Systems Analysis and Design	3 3 3
Procedural language chosen from IS 221, CS 113, CS 115, or CS 125.	2-5
Elective courses chosen from: IS 361 Business Applications Programming (COBOL) IS 380 Telecommunications IS 417 Advanced Data Management Topics IS 430 Advanced Systems Development IS 455 Decision Support Systems IS 460 Advanced Topics in Programming Languages IS 490 Information Resource Management IS 497 Special Topics as offered	9
Total	20-21

Production and Operations Management Operating Systems Emphasis OR Quality Management Emphasis Bachelor of Business Administration

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
PY 221 Introduction to Logic	3
Area I core course	3
Area II — see page 41 for list of approved courses	
CM 111 Fund of Speech Communication	3
EC 205 Principles of Microeconomics	3
EC 206 Principles of Macroeconomics	3
Area II core course other than economics	3
Area III — see page 41 for list of approved courses	
Area III core course - (M 105 or M 111)	4-5
Area III core course - (M 106 or M 204)	4-5
Area III core course in a lab science	4
AC 205 Introduction to Financial Accounting	3
AC 206 Introduction to Managerial Accounting	3
BU 328 Business Communications	3
FI 303 Principles of Finance	3
GB 202 Legal Environment of Business	3
GB 360 Business Ethics and Social Responsibility	3
GB 450 Business Policies	3
IS 101 Computer Applications	3
IS 310 Introduction to Management Information Systems	3
IS 455 Decision Support Systems	3
MG 301 Management and Organizational Theory	3
MG 401 Organizational Behavior	3
MK 301 Principles of Marketing	3
PR 207 Statistical Techniques I	3
PR 208 Statistical Techniques II	3
PR 345 Principles of Production Management	3
PR 380 The Tools of Quality	3
PR 408 Manufacturing Systems	3
PR 440 Operations Strategy	3
PR 493 Internship	3
Operating Systems Emphasis	
MG 405 Management of Continuous Learning	3
PR 366 Management Science Models	3
Either AC 351 Cost Accounting **OR** PR 416 Purchasing and Distribution Systems	3
Quality Systems Emphasis	
MK 418 Customer Satisfaction Measurement	3
PR 381 Quality Management Implementation	3
Either MG 405 Management of Continuous Learning **OR** PR 409 Management of Service Operations	3
Nonbusiness courses Must include courses from at least two of the following: Area I (Arts and Humanities), Area II (Social Sciences), or Area III (Natural Sciences and Mathematics). However, the selections need not be from the list of university core courses.	19
Electives to total 128 credits	4
Total	128

NOTES: The department recommends that each production and operations management major take PR 493 Internship during the student's junior year for a minimum of 3 credits of electives. All courses in the major must be completed with a grade of C or higher.

The Quality Management minor is offered to students who seek more-specialized courses in the quality management area than are presently offered as part of the major degree programs in the College of Business and Economics. Nonbusiness students may qualify for this minor but must complete IS 310 and all the lower-division requirements for the business minor before enrolling for any of the following courses. **Students in the quality management minor must sign up with the computer information systems and production management department.**

Quality Management Minor

Course Number and Title	Credits
MG 405 Management of Continuous Learning	3
MK 418 Customer Satisfaction Measurement	3
PR 380 The Tools of Quality	3
PR 381 Implementation of Quality Management	3
2 of the following: AC 351 Cost Accounting PR 408 Manufacturing Systems PR 409 Management of Service Operations PR 416 Purchasing and Distribution 497 Special Topics (offered through the College of Business and Economics) PR 493 Internship	5-7
Total	17-19

NOTE: Production and operations management majors are not eligible for this minor.

Course Offerings

See page 53 for a definition of the course-numbering system.

Upper-division courses in the department of computer information systems and production management (those with a course number 300 or higher) provide higher-level instruction to students who have the skills necessary to perform at this level. In addition to fulfilling the specific prerequisites listed and meeting the general university requirements for junior standing, every student admitted to a course is expected: to communicate clearly and correctly so that assignments such as term papers and presentations can be completed effectively, to organize and solve problems using the techniques of intermediate level high school algebra, to use a microcomputer for simple word processing and spreadsheet applications.

IS COMPUTER INFORMATION SYSTEMS

Lower Division

IS 101 COMPUTER APPLICATIONS (3-0-3)(F,S). Application of computing for both microcomputers and mainframe are discussed. Particular attention is devoted to problem-solving with computers through hands-on experience. Students will learn to use some of the most commonly used software for word processing, spreadsheets, database systems, communications, and graphics. This course is appropriate for members of the community and for students from any discipline wishing to gain familiarity with computers.

I**S 102 COMPUTER APPLICATIONS (3-0-3)(F,S).** This course is a continuation of IS 101. The course will include the following subjects, among others: operating systems, hardware and network interfaces, PC support, and software in business environments. PREREQ: IS 101 or equivalent.

IS 217 END USER COMPUTING (3-0-3)(F,S). Addresses design and development of small data-base systems for business applications with emphasis on prototyping methodologies and high-level development tools. PREREQ: IS 102 or PERM/INST.

IS 221 INTRODUCTION TO BUSINESS APPLICATIONS PROGRAMMING (COBOL)(3-0-3)(F,S). Development of business applications in COBOL with structured programming concepts. Emphasis on structured program design, documentation, testing, and implementation issues. PREREQ: IS 102 or PERM/INST.

Upper Division

IS 310 INTRODUCTION TO MANAGEMENT INFORMATION SYSTEMS (3-0-3)(F,S). An introduction to the fundamental concepts of management information systems in business organizations. Management information is the framework tying together business decision makers in an organization. This course includes: information systems concepts and planning; end-user computing; hardware, software, and database systems; systems analysis, design, and implementation; computer-human interface; data communications and networks; international, social, political, legal, behavioral, and ethical issues of MIS. Not required for CIS majors. PREREQ: Junior standing or PERM/INST.

IS 320 SYSTEMS ANALYSIS AND DESIGN (3-0-3)(F,S). Utilization of methods for working with users to analyze and develop business applications. The life cycle of development, project management, process of interface with users, documentation, database interface, and productivity tools will be discussed. PREREQ: AC 205 and IS 217.

IS 361 BUSINESS APPLICATIONS PROGRAMMING (COBOL)(3-0-3)(S). Processing techniques and development of programs and systems for batch and interactive environments using features including sequential files, random access files, input editing, and advanced topics. PREREQ: AC 206, IS 217, IS 221 and PR 207.

IS 380 TELECOMMUNICATIONS (3-0-3)(F). Discussion of telecommunications technology and managerial issues in a business environment. Topics include basic concepts of data communication, related hardware and software technology, standards and protocols, local and wide area networks, network management, common carrier services, and emerging trends. Emphasis is on basic concepts, applications, and telecommunications management rather than details of hardware and software technology. PREREQ: IS 102 or PERM/INST.

IS 417 ADVANCED DATA MANAGEMENT TOPICS (3-0-3)(F,S). Addresses technical and managerial aspects of data management in organizations, and emphasizes on distributed and client/server database issues and the data/database administration functions. Other topics may include: file structures, emerging database models, large scale systems. PREREQ: IS 320 or PERM/INST.

IS 430 ADVANCED SYSTEMS DEVELOPMENT (3-0-3)(S). Covers systems analysis and design using object techniques in a business environment. Includes an overview of the various analysis and design tools and methods such as object-oriented and CASE which have been developed over the last decade. In-depth discussion of one analysis and design method and one programming language. PREREQ: IS 320.

IS 455 DECISION SUPPORT SYSTEMS (3-0-3)(F). Topics will include the decision-making process, fundamentals of decision support systems technology, and related systems. Students will be expected to develop an application that supports managerial decision makers. PREREQ: IS 320 or PERM/INST.

IS 460 ADVANCED TOPICS IN PROGRAMMING LANGUAGES (3-0-3)(F,S). Introduces object-oriented languages in practice. Languages in this category include Visual C++, SmallTalk, Eiffel, and many others. The object oriented group of languages embodies a new development environment in which it takes less effort to move through the system development cycle. Languages introduced in this course represent tightly integrated visual development systems that streamline the development of business applications for graphical user environments. PREREQ: IS 221 or other procedural language or PERM/INST.

IS 490 INFORMATION RESOURCE MANAGEMENT (3-0-3)(S). A capstone course covering the management of the information systems function. Topics include the technical, operational, developmental, and support functions, acquisitions and management of resources, organizational structure, human resource issues, end-user computing, ethical and legal considerations, and managing emerging technologies. PREREQ: IS 320.

IS 493 INTERNSHIP (Variable Credit)(F,S). Field learning in an MIS environment under supervision of both a manager and professor. PREREQ or COREQ: IS 320.

PR PRODUCTION AND OPERATIONS MANAGEMENT

Lower Division

PR 207 STATISTICAL TECHNIQUES FOR DECISION MAKING I (3-0-3)(F/S). Designed to provide an understanding and working knowledge of the concepts and techniques pertaining to basic descriptive and inferential statistics. Business applications of such statistical concepts as the Binomial and normal distributions, interval estimates, and hypothesis testing are covered. PREREQ: M 105, M 106, IS 101 or equivalent.

PR 208 STATISTICAL TECHNIQUES FOR DECISION MAKING II (3-0-3)(F/S). This course provides extensions to basic statistical inference with an emphasis on using the techniques for business decision making. Typical topics covered include analysis of variance, simple and multiple linear regression, forecasting, and nonparametric statistics. Established computer software is used, when appropriate, to assist in the learning process. PREREQ: PR 207.

Upper Division

PR 345 PRINCIPLES OF PRODUCTION MANAGEMENT (3-0-3)(F/S). Management of the production function: analysis, design, planning, and control of production processes, plant location, design and layout, scheduling, time and motion study, quality control, material acquisition, and systems theory. Quantitative techniques are considered. PREREQ: AC 206, IS 101, EC 205, EC 206, PR 207.

PR 366 QUANTITATIVE ANALYSIS AND MODELING (3-0-3)(F/S). Quantitative techniques useful in analyzing and solving problems encountered in production and operations management. Quantitative techniques useful in resource management, production planning, scheduling transportation, location analysis, project management, budgeting, staffing, and other areas will be examined. Emphasis is on modeling problems and interpreting computer-generated solutions. PREREQ: PR 345 or PERM/INST.

PR 380 THE TOOLS OF QUALITY (3-0-3)(S). This course will introduce the basic tools of quality and the quality planning tools widely used by organizations in the U.S. and around the world. Emphasis will be placed on understanding how the tools are implemented to aid in quality improvement. Examples of successful and unsuccessful applications will be presented. PREREQ: PR 345 or PERM/INST.

PR 381 QUALITY MANAGEMENT IMPLEMENTATION (3-0-3)(F/S). This course focuses on planning, assuring, controlling, and managing the quality efforts within a manufacturing or service organization. The critical elements of implementing a successful quality management program are discussed. Among the topics addressed in this course are current quality thought, Kaizen techniques, benchmarking, quality maturity analysis, supplier/customer partnering, value-adding management, and quality leadership issues. The course will draw heavily from the experience of successful organization from throughout the world. Case studies will be utilized. PREREQ: PR 345 or PERM/INST.

PR 408 MANUFACTURING SYSTEMS (3-0-3)(F). This course extends the topics offered in the survey Principles of Production course, and will further develop the concepts and theory behind manufacturing resource management, including the master schedule, bill of materials, and inventory records system. Other major topics include Just-in-Time manufacturing, computer-aided manufacturing, flexible manufacturing systems, and techniques used by international competitors. PREREQ: PR 345 or PERM/INST.

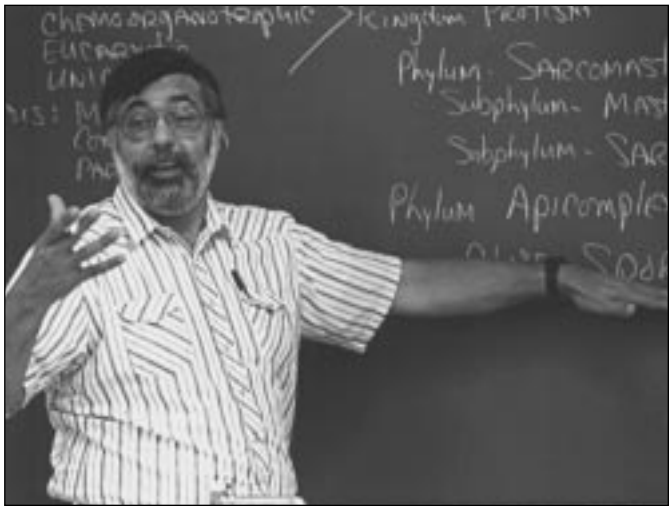
PR 409 MANAGEMENT OF SERVICE OPERATIONS (3-0-3)(S). The course applies the principles of production management to service operations. The problems associated with service operations will be considered and contrasted to those of production systems. Special demands for organization and control will be reviewed, as well as the identification of elements of success. The case method will be used extensively. PREREQ: PR 345 or PERM/INST.

PR 416 PURCHASING AND DISTRIBUTION SYSTEMS (3-0-3)(F). This course introduces concepts associated with purchasing and distribution in manufacturing and service systems. Typical purchasing topics will include supplier selection, legal and ethical considerations, order size, and timing. Typical distribution topics will include transportation modeling, carrier selection, materials handling, and flow analysis. PREREQ: PR 345 or PERM/INST.

PR 440 OPERATIONS STRATEGY (3-0-3)(F/S). Capstone course. Synthesizes quantitative and managerial approaches to develop a framework for planning organizational improvement. The relationships among operations, marketing, management information systems, finance, and human resources strategies are explored. A combination of readings, cases, and experiential learning provides a basis for applying operations management strategies and models. Course to be taken during the last year of the major. PREREQ: PR 380 and
PR 408 or PERM/INST.

PR 493 INTERNSHIP (Variable Credit)(F/S). Field learning in a production and operations management environment under supervision of both a manager and a professor. PREREQ: PR 345 and PERM/INST.

Computer Science — see Department of Mathematics and Computer Science



Department of Construction Management

Engineering Technology Building, Room 201 Telephone 208 385-4078
http://www-cot.idbsu.edu Fax Telephone 208 385-4800

Chair and Associate Professor: Jon Mason. *Professor:* Gabert. *Associate Professor:* Gains. *Assistant Professor*: Campbell.

Degrees Offered

- B.S.and Minor in Construction Management

Program Statement

The vision of the Construction Management Program is to provide quality education that builds innovative leaders with skill, responsibility, and integrity for the construction industry.

The objective of the Construction Management Program is to provide an education of the highest possible quality, given current constraints, in an accredited program with studies in engineering, business, communication, mathematics, physics, and construction management so that the constructor can intelligently relate to and coordinate the efforts of owners, engineers, architects, craftsmen, contractors, and other professionals to provide society with construction services of skill, responsibility, and integrity. The Construction Management Program is accredited by the American Council for Construction Education (ACCE).

Students interested in the Construction Management Program should note the following:

1. All construction management majors must complete at least 57 credits and have a cumulative grade point average of 2.40 or better before being admitted to any upper-division business or construction management classes.
2. All construction management classes take several field trips during the semester (normally scheduled on Friday afternoons).
3. No more than 32 credits may be taken from the College of Business and Economics.
4. Where a class is included in more than one list of electives, it may be used to fulfill only one requirement.

Degree Requirements

Construction Management
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
EC 205 Principles of Microeconomics	3
EC 206 Principles of Macroeconomics	3
Area II core course in a third field	3
Area III	
PH 101, 102 General Physics	8
*M 204 Calculus and Analytic Geometry *Math competency exam is required; M 020, M 108 and/or M 111 may be required before M 204.	5
AC 205 Introduction to Financial Accounting	3
AC 206 Introduction to Managerial Accounting	3
AR 290 Materials and Methods of Architecture	3
CO 141 Construction Materials and Methods	2
CO 235 Construction Blue Print Communications	2
CO 240 Introduction to the Management of Construction	2
CO 246 Contracts and Specifications	3
CO 320 Construction Equipment and Methods	3
CO 330 Soil Mechanics and Foundation Construction	3
CO 351 Mechanical Installations	2
CO 352 Electrical and Acoustical Installations	2
CO 367 Construction Estimating	3
CO 374 Construction Operations and Improvements	2
CO 381 Building Project Estimating **OR** CO 382 Heavy and Highway Project Estimating	2
CO 410 Concrete and Formwork Construction	3
CO 417 Project Scheduling	3
CO 441 Construction Safety and Supervision	2
CO 460 Project Cost Controls	3
CO 475 Project Management	3
CX 210, 211 Engineering Surveying and Lab	3
E 202 Technical Communication	3
EN 107 Engineering Fundamentals and Computer Programming	3
EN 108 Engineering Graphics	2
EN 205 Mechanics/Statics	3
EN 306 Mechanics of Materials	3
*EN 360 Engineering Economy **OR** FI 303 Principles of Finance	3
GB 202 The Legal Environment of Business	3
GO 305 Soil Mechanics Lab	1
*Business Management elective chosen from PR 207, MG 301, MG 305, MG 330, MG 340, MG 401, MG 415, MK 301, FI 201, FI 303, FI 410, PR 345, BU 328, GB 302, or GB 360	3
*Construction Management/Management elective chosen from CO 420, CO 493, CO 497, CX 340, CX 341, CX 352, CS 390, EN 252, EN 320, EN 330, EN 360, GO 101, or any Business Management elective.	3
*Labor Relations course chosen from MG 305, MG 330, or MG 340	3
*Math/Science elective chosen from C 131, 132, 133, 134, GO 101, M 205, M 324, PH 211, 212, 213, 214, or PR 207	3
Electives to total 130 credits	2
Total	130

*Where a class is in more than one list of electives, it may be used to fulfill only one requirement.

Construction Management Minor	
Course Number and Title	**Credits**
CO 235 Construction Blue Print Communications	2
CO 240 Introduction to the Management of Construction	3
CO 246 Contracts and Specifications	3
CO 370 Cost Estimating and Bidding	4
CO 374 Construction Operations and Improvements	2
CO 417 Project Scheduling	3
EN 108 Engineering Graphics	2
Total	19

Course Offerings

See page 53 for a definition of the course-numbering system.

CO CONSTRUCTION MANAGEMENT

Lower Division

CO 141 CONSTRUCTION MATERIALS AND METHODS (1-3-2)(F/S). The application of construction materials, safety, and building codes, and an opportunity for some hands-on construction experiences, such as excavation, compaction, and site work; formwork and concrete; steel; carpentry; or other construction operations.

CO 235 CONSTRUCTION BLUEPRINT COMMUNICATIONS (2-0-2)(F). The transmission and interpretation of blueprint communications covering different types of drawings, including their organization and format. Emphasizing three-dimensional visualization to make practical applications and determine quantities of work. Learn how to interpret quickly and visualize what is being presented by the drawings. Friday field trips required. PREREQ: EN 108.

CO 240 INTRODUCTION TO MANAGEMENT OF CONSTRUCTION (2-0-2) (F/S). Introduction to construction terminology, industry, and management with emphasis on organizations and the schools of management. An introduction to the basic construction management skills such as quantity take-offs, estimating, and scheduling. Friday field trips required. PREREQ: M 108 or equivalent.

CO 246 CONTRACTS AND SPECIFICATIONS (3-0-3)(S). Contracts, contract documents, and specifications for construction, including legal as well as technical implications, claims, change orders, and contract administration, emphasizing owner-engineer/architect-contractor functions and related problems. Friday field trips required. PREREQ: GB 202.

Upper Division

CO 320 CONSTRUCTION EQUIPMENT AND METHODS (3-0-3)(F). Characteristics, capabilities, limitations, and employment of general building and heavy construction equipment. Friday field trips required. PREREQ: EN 205.

CO 330 SOIL MECHANICS AND FOUNDATION CONSTRUCTION (3-0-3)(S). Fundamentals of soil mechanics as it relates to foundation and earthwork construction problems: interaction of water and soil, compaction, bearing capacity, lateral pressures, drainage and waterproofing, spread footings, retaining walls, pile foundations, and special foundation construction problems. PREREQ: EN 205 or PERM/INST. COREQ: GO 305.

CO 351 MECHANICAL INSTALLATIONS (2-0-2)(F/S). The fundamentals of mechanical installations and associated construction problems including heat loss and gain, heating, ventilating, and air-conditioning, and fluid flow in pipes and ditches, as well as water supply, and sewage systems. Occasional Friday field trips required. PREREQ: PH 102 and EN 205.

CO 352 ELECTRICAL AND ACOUSTICAL INSTALLATIONS (2-0-2)(F/S). The fundamentals of electrical and associated construction problems including electrical circuits, conduits, conductors, switch gear; other service equipment, and electrical transmission. Occasional Friday field trips required. PREREQ: PH 102 and EN 205.

CO 367 CONSTRUCTION ESTIMATING (3-0-3)(F). Extracting quantity take-offs from drawings, classifying the work in accordance with the specifications, compiling and pricing estimates, developing zero-based cost estimates using CSI divisions and work break-down structure, and preparation of bids. PREREQ: CO 235, CO 246, and M 111 or equivalent.

CO 370 COST ESTIMATING AND BIDDING (3-3-4)(F). Extracting quantity take-offs from drawings, classifying the work in accordance with specifications, compiling and pricing estimates, and preparation of bids. PREREQ: CO 235, CO 246, and M 111 or equivalent.

CO 374 CONSTRUCTION OPERATIONS AND IMPROVEMENTS (2-0-2)(S). The use of statistical sampling, time and motion studies, time-lapse photography, crew balance analysis, flow and process charts to improve methods, labor efficiency, equipment and materials usage, safety, and employee motivation. Field trips are required. PREREQ: CO 240.

CO 381 BUILDING PROJECT ESTIMATING (1-3-2)(S). The estimating and bidding of complete building projects; including quantity takeoffs, categorizing costs, pricing, and markups; use of computers as an estimating tool, conceptual and range estimating; engineering, fast-track, target, and equity-sharing project estimates. PREREQ: CO 367.

CO 382 HEAVY AND HIGHWAY PROJECT ESTIMATING and BIDDING (1-3-2)(S). The estimating and bidding of complete heavy or highway projects; including quantity takeoffs, categorizing costs, pricing, and markups; use of computers as an estimating tool, conceptual and range estimating; engineering, fast-track, target, and equity-sharing project estimates. PREREQ: CO 367.

CO 410 CONCRETE AND FORMWORK CONSTRUCTION (3-0-3)(F). Design and methods of formwork construction. Study of the properties of concrete, methods of mixing, placing, curing, and finishing. Friday field trips required. PREREQ: EN 306.

CO 417 PROJECT SCHEDULING (3-0-3)(F/S). Use of Gantt Charts, S-Curves, Critical Path Method (CPM), P.E.R.T. Charts, Resource Leveling and Time Cost Trade Offs as planning, scheduling, and management techniques, computerized scheduling. PREREQ: EN 107 and CO 240.

CO 420 REINFORCED CONCRETE AND STEEL CONSTRUCTION (3-0-3)(F/S). The structural analysis and construction of reinforced concrete and structural steel systems; including vertical and horizontal loads on beams and columns; bending, shear, compressive and tensile stresses and deflection analysis, and construction methods. PREREQ: EN 306.

CO 441 CONSTRUCTION SAFETY AND SUPERVISION (1-3-2)(F/S). The class provides a field opportunity for senior students to plan, provide safety procedures, quality control, supervision, monitoring, and inspection of construction operations. Emphasis is placed on the safety plan and safety procedures. PREREQ: CO 141.

CO 460 PROJECT COST CONTROLS (3-0-3)(S). Theory of cost accounting and cost control, with emphasis on cost determination as a tool of management and project cost control. Includes bidding, budgeting, and developing project cost record-keeping system for managing cash, receivable, payroll, and subcontractors. PREREQ: AC 206 and CO 370.

CO 475 PROJECT MANAGEMENT (3-0-3)(F/S). Application of professional construction management techniques including site investigation, contractor and subcontractor qualifications, conceptual estimating and budgeting, quality assurance, business development, risk management, and ethics; preparation of proposals, claims, and negotiations. PREREQ: CO 240, CO 246, and senior status.

CO 493 INTERNSHIP. Cooperative education/internship in construction management provides practical, on-the-job experience in blueprint reading, material takeoffs, estimating, equipment management, and project planning.

Counseling Department

Education Building, 6th Floor — Telephone 208 385-1661
http://www.idbsu.edu:80/counsel — Fax Telephone 208 385-4365

Chair and Associate Professor: Jim Nicholson. *Associate Professors:* Downs, Miller, Nelson. *Assistant Professor:* Birdsall.

The counseling department houses both academic and applied counseling programs. On the academic side, it offers a variety of undergraduate classes as well as a master of arts program in school counseling. The department's counseling and testing center is an accredited unit that offers a comprehensive program of counseling services. These services range from crisis intervention and brief counseling for personal and career concerns to a variety of outreach workshops and groups that address a range of adjustment issues. The center also administers a broad range of standardized tests. Any student enrolled for six or more credit hours is eligible for the services offered through the center.

Department of Criminal Justice Administration

Library Building, Room 166 Telephone 208 385-3407
e-mail: bhowell@sspafac.idbsu.edu Fax 208 385-4371

Chair and Associate Professor: Robert Marsh. *Professor:* Walsh. *Associate Professor:* Crank. *Assistant Professors:* Hemmens, Stohr.

Degrees Offered

- A.S., B.A., and B.S. in Criminal Justice Administration

Department Statement

The department of criminal justice administration is central to the mandate by the State Board of Education that Boise State University be Idaho's lead institution in social sciences and public affairs. Our central role in this mandate is reflected in the dedication of the faculty to the creation of an intellectual environment crucial to the development of skills for critical analysis, problem solving, and full participation in public affairs. The department offers a baccalaureate and an associate degree in criminal justice administration, participates in the Canadian Studies Program, and offers graduate courses as part of the M.A. and M.S. degree programs.

Degree Requirements

Upper Division Admission
Chair: Dr. Robert Marsh
Library, Room 166-A, Telephone 208 385-3407

The department of criminal justice administration requires all criminal justice administration majors to apply for admission to upper-division standing. To be admitted to upper-division standing, a student must meet the following criteria prior to enrolling in 300-level criminal justice administration courses. Criminal justice majors enrolling in upper-division criminal justice courses without approved upper-division standing will be withdrawn administratively from the courses. Upper-division nonmajors will be permitted to enroll in specific courses with a documented showing of special need to the department chair and permission of the instructor.

Minimum Criteria for Admission to Upper-division Standing

1. Admission to Boise State University.
2. Successful completion of a minimum of 32 credits of the lower-division university core, including E 101, 102 English Composition; SO 101 Introduction to Sociology; P 101 General Psychology; PO 101 American National Government; CM 111 Fundamentals of Speech Communication; three credits of history (B.A. only); and eight credits of Area III lab science and/or mathematics.
3. All required lower-division criminal justice courses must be completed with no less than a C average.
4. Cumulative GPA of 2.5 or higher at the time of application.
5. Completion of at least 58 credits (including course work in progress at the time of application).
6. Selection of a degree emphasis area.
7. Submission of a completed application and current transcript by due date published by the department each semester.
8. Attainment of a passing score on the departmental qualifying examination covering material in CR 101 Introduction to Law and Justice, CR 201 Introduction to Criminal Justice Administration, CR 215 Police in the United States, and CR 281 Introduction to Corrections. This examination will be administered each semester before the pre-registration period.

Transfer Students Students transferring into the Criminal Justice Program from other institutions will be evaluated by the department chair on an individual basis. Failure to meet the above minimum requirements will result in a delayed entrance into upper-division courses until the deficiencies have been addressed.

Criminal Justice Administration Bachelor of Art or Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field (B.A. must complete three credits of Area I core literature.)	3
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
P 101 General Psychology	3
PO 101 American National Government	3
SO 101 Introduction to Sociology (B.A. must complete three credits of Area II history.)	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
CR 101 Introduction to Law and Justice	3
CR 201 Introduction to Criminal Justice Administration	3
CR 215 Police in the United States	3
CR 281 Introduction to Corrections	3
CR 301 Administration of Justice	3
CR 315 Public Policy and Criminal Behavior	3
CR 317 The Juvenile Justice System	3
CR 321 Criminal Law	3
CR 362 Contemporary Correctional Theory and Practice	3
CR 363 Criminal Justice Management	3
CR 426 Research Statistics	3
CR 489 Senior Tutorial	3
CR 498 Senior Seminar in Criminal Justice	3
SO 210 Computer Applications in Social Science	4
Corrections/Counseling Emphasis	
CR 331 Corrections in the Community CR 331	3
CR 340 Interviewing and Counseling in Criminal Justice	4
CR 341 Advanced Interviewing and Counseling in Criminal Justice	4
CR 490 Field Practicum	6
Upper-division criminal justice courses	3
Electives to total 128 credits	23*
Courts/Law Emphasis	
CR 275 Law of Criminal Evidence	3
CR 276 Law of Arrest, Search and Seizure	3
CR 350 Methods of Legal Research	3
CR 381 Judicial Administration and Court Management	3
CR 451 Comparative Criminal Justice Administration **OR** CR 452 Comparative Canadian Justice	3
PO 351 Constitutional Law	3
CR 490 Field Practicum	6
Electives to total 128 credits	19*

— continued —

Criminal Justice Administration (continued)	
Law Enforcement Emphasis	
CR 275 Law of Criminal Evidence	3
CR 276 Law of Arrest, Search and Seizure	3
CR 451 Comparative Criminal Justice Administration **OR** CR 452 Comparative Canadian Justice	3
CR 461 Contemporary Issues in American Policing	3
CR 490 Field Practicum	6
Electives to total 128 (including 3 credits of upper-division)	25*
Research Emphasis	
CR 350 Methods of Legal Research	3
CR 428 Advanced Methods Criminal Justice Research	3
CR 451 Comparative Criminal Justice Administration **OR** CR 452 Comparative Canadian Justice	3
CR 490 Field Practicum	6
Upper-division criminal justice courses	3
Electives to total 128 credits	25*
Total	128

* Three of these elective credits must be chosen from the following disciplines:

Anthropology**	Geography**	Mathematics**	Political Science**
Art	Geology**	Music	Psychology**
Biology**	History**	Philosophy	Social Work**
Chemistry**	Humanities	Physical Science**	Sociology**
Communication**	Literature	Physics**	Theatre Arts
Economics**			

NOTE: Students seeking a BACHELOR OF ARTS DEGREE may choose the three credits from any of the above disciplines except mathematics/natural sciences (Area III courses). Students seeking a BACHELOR OF SCIENCE DEGREE may choose the three credits only from those disciplines marked with a double asterisk (**).

Criminal Justice
Associate of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core courses in humanities	6
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
PO 101 American National Government	3
SO 101 Introduction to Sociology	3
Area II core course in history	3
Area III — see page 41 for list of approved courses	
Area III core courses in science or mathematics	8
CR 101 Introduction to Law and Justice	3
CR 201 Introduction to Criminal Justice Administration	3
CR 215 Police in the United States	3
CR 275 Law of Criminal Evidence	3
CR 276 Law of Arrest, Search and Seizure	3
P 101 General Psychology	3
PO 102 State and Local Government	3
SO 210 Computer Applications in Social Science	4
Electives to total 64	7
Total	64

Course Offerings

See page 53 for a definition of the course-numbering system.

CR CRIMINAL JUSTICE ADMINISTRATION

Lower Division

CR 101 INTRODUCTION TO LAW AND JUSTICE (3-0-3)(S). Study of basic issues of law as a means of social control, including broader issues of social justice such as poverty, racism, sexism, and alienation. Provides foundation for examining relevant critical issues in American society.

CR 201 INTRODUCTION TO CRIMINAL JUSTICE ADMINISTRATION (3-0-3)(F). Philosophy, history, objectives, and functions of the criminal justice system as a social institution. The relationship of this system to society; and a general overview of the administration of justice.

CR 215 POLICE IN THE UNITED STATES (3-0-3)(F). A study of police behavior in urban and rural areas with an emphasis on the police response to community change, attitudes, special interest groups, and minority relations. PREREQ: CR 201.

CR 275 LAW OF CRIMINAL EVIDENCE (3-0-3)(F). Presentation of the laws and rules of evidence, burden of proof, exclusionary rule, presumption, opinion evidence, and leading court cases involving the presentation and acceptability of evidence. Witness examination procedures and related legal problems are presented. PREREQ: CR 201.

CR 276 LAW OF ARREST, SEARCH AND SEIZURE (3-0-3)(S). A highly concentrated study of the legalities and decision-making processes associated with arrest, search, and seizure in accordance with statutes, case law and Supreme Court decisions as they relate to constitutional protections. PREREQ: CR 201.

CR 281 INTRODUCTION TO CORRECTIONS (3-0-3)(S). History, theory, practices, and research in adult, community, and institutional corrections.

CR 290 (SO 290) SOCIAL CONFLICT AND PEACEMAKING (3-0-3)(F). (Cross listed as SO 290.) An introductory survey course covering broadly the kinds of conflict that occur between persons, groups, organizations, and societies, with attention to why these conflicts arise, and a range of peaceful solutions to conflicts using nonviolent, nonadversarial methods. The course ranges from inner personal conflict to the international nuclear arms race. This course may be taken for either CR or SO credit, but not both.

Upper Division

CR 301 ADMINISTRATION OF JUSTICE (3-0-3)(F). The administration of criminal justice from arrest to sentencing. Federal and state rules of criminal procedure and laws of evidence as they apply to and affect constitutional due process. PREREQ: Upper-division criminal justice standing and CR 201.

CR 315 PUBLIC POLICY AND CRIMINAL BEHAVIOR (3-0-3)(F). Explores the biological, psychological, and sociological theories of crime and criminality. Explores the policy options for the criminal justice system and society. PREREQ: Upper-division criminal justice standing.

CR 317 THE JUVENILE JUSTICE SYSTEM (3-0-3)(S). Study of the philosophy and function of the juvenile court, court procedures and law, theories of causation, and intervention strategies for juveniles. Includes an evaluation and analysis of law, institutions, policies, and practices of the court since inception. PREREQ: Upper-division criminal justice standing.

CR 321 CRIMINAL LAW (3-0-3)(S). Elements and application of federal and state criminal statutes. The effect of differential enforcement on the tolerance limits of society. PREREQ: Upper-division criminal justice standing and CR 201.

CR 331 CORRECTIONS IN THE COMMUNITY (3-0-3)(S). Development, organization, operation, and results of post-conviction release programs. Traditional court— and institutional— supervised probation and parole, work release, halfway houses, diversion, furlough concept, and various community/social agency rehabilitative programs of both traditional and innovative nature. PREREQ: CR 201 or SO 101.

CR 340 INTERVIEWING AND COUNSELING IN CRIMINAL JUSTICE (3-2-4)(F). Theory and skills involved in effective communication, interviewing, and counseling for criminal justice personnel. Basic communication skills and process of problem solving with criminal justice clients emphasized. PREREQ: Upper-division criminal justice administration standing.

CR 341 ADVANCED INTERVIEWING AND COUNSELING IN CRIMINAL JUSTICE (3-2-4)(S). Analysis of major theoretical counseling models. Development of advanced skills in interviewing and counseling strategies focusing on the unmotivated, involuntary client. PREREQ: Upper-division criminal justice standing and CR 340.

CR 350 METHODS OF LEGAL RESEARCH (3-0-3)(F). An introduction to methods of legal research with emphasis on the utilization of law library resources, private and government organizations as courses of legal information, and on the formulation of briefs, memoranda, and other documents appropriate to legal practice. PREREQ: Upper-division criminal justice administration standing.

CR 362 (SO 362) CONTEMPORARY CORRECTIONAL THEORY AND PRACTICE (3-0-3)(F). (Cross listed SO 362). The historical development, processes, and methods of operating the adult correctional system. Detailed study of the philosophy and development of treatment strategies in local, state, and federal correctional institutions. This course may be taken for CR or SO credit, but not both. PREREQ: Upper-division criminal justice administration standing.

CR 363 CRIMINAL JUSTICE MANAGEMENT (3-0-3)(F). An overview of organizational theory and administrative behavior in criminal justice agencies. Effects of

leadership, technology, information systems, decision-making, court cases, personnel policies, budgeting, and planning on the justice system are analyzed. PREREQ: Upper-division criminal justice administration standing.

CR 381 JUDICIAL ADMINISTRATION AND COURT MANAGEMENT (3-0-3)(S). Study of practices and trends in court management and judicial administration: court personnel, selection, training, and evaluation. Examination of modern technology in the management of judicial administration. PREREQ: Upper-division criminal justice administration standing and CR 301.

CR 426 RESEARCH STATISTICS (3-0-3)(F,SU). An introduction to basic research methods in criminal justice. Exploration of the philosophy of science, research designs and their implementation, and elementary statistical techniques. Emphasis is placed on guiding students in interpreting criminal justice statistics and research. PREREQ: Upper-division criminal justice administration standing.

CR 428 ADVANCED METHODS OF CRIMINAL JUSTICE RESEARCH (3-0-3)(S). Advanced methods of research and analysis in criminal justice with emphasis on designing and managing research projects. Students will design and conduct their own research project. PREREQ: Upper-division criminal justice standing and CR 426.

CR 451 COMPARATIVE CRIMINAL JUSTICE ADMINISTRATION (3-0-3)(S). An analysis and comparison of law enforcement systems at the federal, state, and local levels and international systems. PREREQ: Upper-division criminal justice standing and CR 301.

CR 452 COMPARATIVE CANADIAN JUSTICE (1-6-3)(S). An analysis and comparison of U.S.-Canadian criminal justice systems at all levels, and of the U.S. Constitution versus the Canadian Charter of Rights and Freedom. Requires classroom attendance at the final six weeks of CR 451 and residence at the University of British Columbia during the two weeks following final examination week. Either CR 451 or CR 452 satisfy applicable graduation requirements in criminal justice. PREREQ: Upper-division criminal justice standing, CR 301 and CR 362, or PERM/INST. Even numbered years only.

CR 461 CONTEMPORARY ISSUES IN AMERICAN POLICING (3-0-3)(S). Study and discussion of the major contemporary issues facing the modern police organization. Utilization of knowledge gained in CR 363 to address specific areas of enforcement at the local, state, and federal levels of government. Major areas of enforcement concerns involving drugs, street gangs, and increased use of firearms. PREREQ: Upper-division criminal justice administration standing and CR 363.

CR 489 SENIOR TUTORIAL (3-0-3)(F/S). Directed research in relevant contemporary issues in criminal justice and criminology. Research proposal will be submitted to and approved by criminal justice faculty prior to the initiation of the project. The culmination of the course will be the submission and presentation of an appropriate written project paper. PREREQ: Senior standing in criminal justice administration.

CR 490 FIELD PRACTICUM (V-V-6). Student placement in selected criminal justice agencies with assigned duties of regular personnel. Relevant research project required. Weekly seminar meetings with instructor to review research and agency progress. Required of all BA/BS students without one year of full- time criminal justice experience. PREREQ: Upper-division criminal justice administration standing.

CR 498 SENIOR SEMINAR IN CONTEMPORARY CRIMINAL JUSTICE PROBLEMS (3-0-3)(S). Exploration of current and anticipated critical issues and problems in the criminal justice system. PREREQ: CR 201, senior criminal justice administration standing, or PERM/INST.

Dental, Preprofessional Program — see Department of Health Studies

Dietetics, Pre-Professional Program — see Department of Health Studies

Dispute Resolution Certificate

Education Building, Room 717 Telephone 208 385-3928
e-mail: smccork@bsu.idbsu.edu Fax 208 385-4318

Information: Suzanne McCorkle, Ph.D

Mediation, in which a trained facilitator helps individuals resolve their differences outside of the courtroom, increasingly is being used by community members, businesses, and the judicial system. Within the BSU Dispute Resolution Certificate Program, students learn negotiation and mediation skills, acquire technical and advanced skills within one area of specialization (for example, child-custody mediation), and apply those skills in the public arena. A performance-based test comprises the capstone experience.

The dispute resolution certificate may be pursued by students who are seeking a degree or by others who are working toward the requirements for mediators established by the courts or mediation professional organizations. While mediation potentially could be used in nearly every occupation, the certificate may be of particular interest to students who seek management, personnel, or court-related careers.

A portion of the credits for this certificate are earned in workshops offered through Continuing Education and staffed by local and national mediation experts. Workshops within the Dispute Resolution Certificate Program are designed to support the requirements set by the Idaho Supreme Court, Idaho 4th District Court, Idaho Mediation Association, and the Academy of Family Mediators.

After acquiring the dispute resolution certificate, students may add additional endorsements to the certificate by completing the required course work and competency test in a second area of emphasis. For example, a student may complete the certificate with an emphasis in child custody mediation, then return later to complete an additional six hours of course work in community mediation to earn a second endorsement on his or her certificate.

The Dispute Resolution Certificate Program is housed in the College of Social Sciences and Public Affairs, supervised by the Dean of the College, and managed by the Director of the BSU Office of Conflict Management Services, who is assisted by an Academic Advisor Board.

Dispute Resolution Certificate

Course Number and Title	Credits
CM/SO 390 or PA 581 Conflict Management Theory	3
DR 400 Basic Mediation Skills	3
DR 446 Mediation Competency Boards	1
DR 493/590 Internship (at least 20 hours of supervised mediation in the area of emphasis)	2
DR 494/594 Workshops in Area of Emphasis	3
Total	12

NOTE: You may begin the program before completing a baccalaureate degree. However, the dispute resolution certificate will not be awarded until you have obtained a baccalaureate degree.

DR Dispute Resolution Courses

DR 400 BASIC MEDIATION SKILLS (3-0-3). Students learn the theoretical foundations of negotiation and mediation, types of mediation, mediation models, mediation case work skills, building the mediation plan, interpersonal communication skills for mediation, and various resolution techniques. Students will mediate several simulated and/or actual practice cases. PREREQ: CM/SO 390 or PA 581 or PERM/INST.

DR 446 MEDIATION COMPETENCY BOARDS (0-0-1). Competency-based testing is required by several mediation professional organizations. Students conduct case work and mediate a case from within their emphasis area before a panel of expert mediators. Students discuss issues related to mediation within their specialty area.

Early Childhood — see Teacher Education programs

Earth Science Education — see Department of Geosciences

Department of Economics

Business Building, Room 311 Telephone 208 385-3351
http://biz.idbsu.edu/ec Fax 208 385-1857
e-mail: econ@cobfac.idbsu.edu

Chair and Professor: Chuck Skoro. *Professors:* Lichtenstein, Loucks, Payne, Reynolds, Twight. *Associate Professor:* Draayer. *Assistant Professor*: Raha.

Degrees Offered

- B.A. in Economics, International Economics Emphasis
- B.A. in Economics, Quantitative Emphasis
- B.A. in Economics, Social Science Emphasis
- B.A. in Economics, Social Science, Secondary Education
- B.B.A. in Business Economics
- Minor in Economics

Department Statement

Economists study the means by which people and societies decide what sort of goods and services to produce, how they allocate resources to see that such production is carried out, and how they divide the income created in the process. Accordingly, economics courses deal with national economic health and the behavior of industries and individual firms, as well as the decisions made by individuals in households and families. Over the years the body of theories and methods developed by economists has become an indispensable tool in household and business decision-making and in the formation of public policy.

Economics majors who plan to enter the job market immediately after college find the degree useful in obtaining jobs in management and other areas where training in systematic thinking and competence in empirical analysis are prized. Economists Ryan Amacher and Holly Ulbrich noted that:

> Undergraduate economics majors are recruited by business firms in all size ranges, from small, local companies to the very largest multinational corporations. An economics degree prepares students to compete with students from marketing, management, and finance as well as with students that have liberal arts majors, such as history and political science. (*Principles of Microeconomics*, 3rd Edition. p. 566).

In addition, a degree in economics is excellent preparation for law school, for M.B.A. programs, or for graduate work in economics or other social sciences. Students planning a career in teaching will also find a degree in economics to be an excellent asset to bring to the job market.

BSU offers three paths to a degree in economics: a bachelor of arts, a bachelor of business administration, and a bachelor of arts with a secondary education emphasis. Those interested in a bachelor of arts degree in economics pursue, along with their work in economics, a program of instruction that concentrates on the social sciences, international studies, or quantitative analysis.

Students wanting more of a business emphasis follow a program of instruction leading to a bachelor of business administration degree, which includes, aside from the work in economics, the standard courses taken by other business students.

Students planning to enter secondary school teaching may choose to pursue a bachelor of arts degree with a secondary education emphasis. These students do considerable work in economics along with concentrated work in teaching methods and two other social sciences.

The economics department has a long tradition of excellent scholarship and teaching. Faculty are consistently rated among the best teachers on campus and have been so for years. They are also known and respected by other economists throughout the region.

Degree Requirements

Those students considering or planning on graduate study in economics should complete a M 204, M 205 Calculus and Analytic Geometry, M 301 Linear Algebra, M 324 Multivariable and Vector Calculus, and M 333 Differential Equations with Matrix Theory.

Economics
Social Science Emphasis
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 or E 111, 112 English Composition	6
Area I — see page 41 for list of approved courses	
PY 101 Introduction to Philosophy	3
Area I core in literature	3
Area I core course in a second field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
EC 205 or EC 205H Principles of Microeconomics	3
EC 206 or EC 206H Principles of Macroeconomics	3
HY 101, 102 History of Western Civilization **OR** HY 201, 202 Problems of Western Civilization	6
Area II core course in a third field	3
Area III — see page 41 for list of approved courses	
Either M 105, 106 Mathematics for Business Decisions, **OR** M 111 Algebra and Trigonometry **AND** M 204 Calculus and Analytic Geometry	8-10
Area III core course in a lab science	4
AC 205 Introduction to Financial Accounting	3
EC 303 Intermediate Microeconomics	3
EC 305 Intermediate Macroeconomics	3
EC 311 History of Economic Thought	3
EC 421 Quantitative Methods in Economics	3
EC 422 Econometrics	3
Upper-division economics courses	12
IS 310 Introduction to Management Information Systems	3
PR 207 Statistical Techniques for Decision Making I	3
Upper-division social science courses Selected from psychology, political science, sociology, anthropology, geography, and history.	15
Electives to total 128 credits Among these courses must be at least 6 credits in arts and humanities (Area I) or noneconomics social sciences (Area II). These courses need not be chosen from the list of core courses. They may be either lower- or upper-division courses.	30-32
Total	128

Economics
Quantitative Emphasis
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 or E 111, 112 English Composition	6
Area I — see page 41 for list of approved courses	
PY 101 Introduction to Philosophy	3
Area I core in literature	3
Area I core course in a second field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
EC 205 or EC 205H Principles of Microeconomics	3
EC 206 or EC 206H Principles of Macroeconomics	3
HY 101, 102 History of Western Civilization **OR** HY 201, 202 Problems of Western Civilization	6
Area II core course in a third field	3
Area III — see page 41 for list of approved courses	
M 204, 205 Calculus and Analytic Geometry	9
M 324 Multivariable and Vector Calculus	4
Area III core course in a lab science	4
AC 205 Introduction to Financial Accounting	3
EC 303 Intermediate Microeconomics	3
EC 305 Intermediate Macroeconomics	3
EC 311 History of Economic Thought	3
EC 421 Quantitative Methods in Economics	3
EC 422 Econometrics	3
Upper-division economics courses	12
IS 310 Introduction to Management Information Systems	3
M 301 Linear Algebra	4
M 361 Probability and Statistics I **OR** PR 207, 208 Statistical Techniques for Decision Making I & II	4-6
Upper-division decision science or math courses	8
Electives to total 128 credits Among these courses must be at least 6 credits in Arts and Humanities (Area I) or noneconomics Social Sciences (Area II). These courses need not be chosen from the list of core courses. They may be either lower- or upper-division courses.	27-32
Total	128

The international economics emphasis is a cooperative program involving the departments of economics, political science and history. Distinctive features of the international economics emphasis are: (1) 24 hours of upper-division course work in economics of which 9 must be in international-related economics electives; (2) 21 hours of upper-division political science and history courses with an international scope (not fewer than 9 in each of these two disciplines); and (3) language competency to be fulfilled by taking 16 hours of language courses. Completion of requirements will lead to a B.A. in economics with an international economics emphasis.

Economics
International Economics Emphasis
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 or E 111, 112 English Composition	6
Area I — see page 41 for list of approved courses	
PY 101 Introduction to Philosophy	3
Area I core in literature	3
Area I core course in a second field	3
Area I core course in any field	3
Area II	
EC 205 or EC 205H Principles of Microeconomics	3
EC 206 or EC 206H Principles of Macroeconomics	3
HY 102 History of Western Civilization **OR** HY 105 Eastern Civilizations	3
PO 231 International Relations	3
Area III — see page 41 for list of approved courses	
Either M 105, 106 Mathematics for Business Decisions, **OR** M 111 Algebra and Trigonometry **AND** M 204 Calculus and Analytic Geometry	8-10
Area III core course in a lab science	4
Foreign language Competency in one language at the intermediate level is required for this emphasis. Competency may be satisfied by taking language courses (four semesters), by passing a language course at the 202-level, or by passing a language competency examination.	16
PR 207 Statistical Techniques for Decision Making I **OR** M 361 Probability and Statistics I	3
EC 303 Intermediate Microeconomics	3
EC 305 Intermediate Macroeconomics	3
EC 317 International Economics	3
EC 421 Quantitative Methods in Economics	3
EC 422 Econometrics	3
Upper-division economics course	3
International economics course chosen from EC 315, EC 319, EC 480, EC 496/497/498, or other international related economics courses.	6
Political science courses chosen from PO 311, 321, 324, 329, 333, 335, 421, 429, 451	9-12
History courses chosen from HY 307, 308, 312, 316, 317, 327, 329, 330, 331, 332, 335, 368, 468, 481, 482	9-12
Electives to total 128 credits Electives from economics or from the following list are recommended: AC 205, AN 102, FI 430, GB 445, GG 311, 340, 350, 311, F, G or S 376-377, MK 430	20-22
Total	128
A total of 21 hours must be taken from political science and history, with a minimum of 9 hours from each. The department also recommends that each student consider participating in a studies abroad program as a way to gain international experience and to meet course requirements, especially in language and electives.	

The social science, secondary education emphasis programs are cooperative, multidisciplinary programs involving the departments of economics, history, political science, sociology, and anthropology. Each of these departments, except history, provides a major emphasis with the social science, secondary education emphasis. Students choosing this emphasis must:

1. complete a minimum of 30 credits in economics.
2. complete a minimum of 21 credits in one of the above departments (other than economics) to satisfy graduation requirements. See the department listings for each of these departments for additional information.
3. complete six credits in U.S. history and three credits of American national government for certification requirements.

Economics, Social Science
Secondary Education Emphasis
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 or E 111, 112 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II	
EC 205 or 205H Principles of Microeconomics	3
EC 206 or 206H Principles of Macroeconomics	3
HY 151, 152 U. S. History	6
PO 101 American National Government	3
Area III — see page 41 for list of approved courses	
M 105, 106 Mathematics for Business Decisions	8
Area III core course in a lab science	4
AC 205 Introduction to Financial Accounting	3
EC 303 Intermediate Microeconomics	3
EC 305 Intermediate Macroeconomics	3
Upper-division economics courses	18
Social science field other than economics	21
Courses from three of the following fields: anthropology world history, political science, sociology, and geography	9
TE 172 Intro Secondary Teaching: Classroom Observation	1
TE 201 Foundations of Education	3
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 Educating Exceptional Secondary-Age Students	1
TE 381 Secondary School Methods	3
TE 385 Secondary School Social Studies Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
TE 485 Senior High School Student Teaching	10
Total	131

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See "Teacher Education" for more information.

Economics, Social Science, Secondary Education Minor

Course Number and Title	Credits
EC 205 Principles of Microeconomics	3
EC 206 Principles of Macroeconomics	3
EC 303 Intermediate Microeconomics	3
EC 305 Intermediate Macroeconomics	3
Upper-division economics courses	9
Total	21

NOTE: The minor is for students with an emphasis in social science, secondary education but with a major in a field other than economics.

Business Economics
Bachelor of Business Administration

Course Number and Title	Credits
E 101, 102 or E 111, 112 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core courses	6
Area II — see page 41 for list of approved courses	
EC 205 or 205H Principles of Microeconomics	3
EC 206 or 206H Principles of Macroeconomics	3
Area II core courses other than economics	6
Area III — see page 41 for list of approved courses	
Area III core course - (M 105 or M 111)	4-5
Area III core course - (M 106 or M 204)	4-5
Area III core course in a lab science	4
AC 205 Introduction to Financial Accounting	3
AC 206 Introduction to Managerial Accounting	3
BU 328 Business Communications	3
EC 303 Intermediate Microeconomics	3
EC 305 Intermediate Macroeconomics	3
EC 311 History of Economic Thought	3
EC 421 Quantitative Methods in Economics	3
EC 422 Econometrics	3
Upper-division economics electives	12
FI 303 Principles of Finance	3
GB 202 Legal Environment of Business	3
GB 450 Business Policies	3
IS 310 Introduction to Management Information Systems	3
MG 301 Principles of Management	3
MG 401 Organizational Behavior	3
MK 301 Principles of Marketing	3
PR 207 Statistical Techniques for Decision Making I	3
PR 208 Statistical Techniques for Decision Making II	3
PR 345 Principles of Production Management	3
Nonbusiness electives Must include courses from at least two of the following: Area I (Arts and Humanities), Area II (Social Sciences), or Area III (Natural Sciences and Mathematics). However, the selections need not be from the list of university core courses.	16
Electives to total 128 credits	9-10
Total	128

Any BSU baccalaureate student may earn a minor in economics by satisfying the requirements listed below, in addition to the student's major requirements.

Economics Minor

Course Number and Title	Credits
EC 205 Principles of Microeconomics	3
EC 206 Principles of Macroeconomics	3
EC 303 Intermediate Microeconomics	3
EC 305 Intermediate Macroeconomics	3
Upper-division economics courses	9
Total	21

Course Offerings

See page 53 for a definition of the course-numbering system.

EC ECONOMICS

Lower Division

EC 205 PRINCIPLES OF MICROECONOMICS (3-0-3)(Area II)[EC 202]. An introduction to microeconomic analysis covering supply and demand, basic market structures, the operation of the price system, and the distribution of income. Provides an

introduction to some applied areas of economics such as international, regional, the public sector, and economic development.

EC 206 PRINCIPLES OF MACROECONOMICS (3-0-3)(Area II)[EC 201]. Economic principles are used to analyze the aggregate performance of developed economies. Analysis is applied to domestic and international macroeconomic issues. The goals and problems of high employment, price stability, growth, and the balance of payments are analyzed. Monetary, fiscal, and other national policies are discussed.

EC 210 CONTEMPORARY ECONOMIC PROBLEMS (3-0-3)(F/S). A one-semester introduction to economics centered around selected contemporary economic problems. Principles are introduced to help analyze problems and point out alternative solutions. Not allowed as part of the economics major requirements. Not allowed for credit to those students who have taken EC 205 and EC 206.

Upper Division

Upper-division courses in the department of economics (those with a course number 300 or higher) provide higher-level instruction to students who have the skills necessary to perform at this level. In addition to fulfilling the specific prerequisites listed and meeting the general university requirements for junior standing, every student admitted to a course is expected: to communicate clearly and correctly so that assignments such as term papers and presentations can be completed effectively, to organize and solve problems using the techniques of intermediate level high school algebra, to use a microcomputer for simple word processing and spreadsheet applications.

EC 301 MONEY AND BANKING (3-0-3). Analysis of the role of money, credit, and the financial system in the U.S. economy through the economics of commercial and central banking. Study of monetary theory and monetary policy as they affect both domestic and international economic policy goals. PREREQ: EC 205 and EC 206.

EC 303 INTERMEDIATE MICROECONOMICS (3-0-3). An analysis of the price mechanism and its role in resource allocation, output composition, and income distribution. Topics include consumer choice and demand, theories of production and cost, and the economic performance of various market structures. The usefulness of price theory in the analysis of social problems and managerial decisions is stressed. PREREQ: EC 205.

EC 305 INTERMEDIATE MACROECONOMICS (3-0-3). Analysis of the determinants of the level of national income, employment, productivity, and the price level. Analysis of the effects of economic policy instruments and decisions on aggregate economic performance goals. PREREQ: EC 206.

EC 310 (PO 310) PUBLIC FINANCE (3-0-3)(S). A study of the role and impact of government on the functioning of the free enterprise economic system. The theory and rationale of government spending, taxing, and indebtedness will be examined, as well as the effects of government activity on allocation of resources and distribution of income. Attention will be paid to state and local problems. This course may be taken for either EC or PO credit, but not both. PREREQ: EC 205 and EC 206 or PERM/INST.

EC 311 HISTORY OF ECONOMIC THOUGHT (3-0-3)(F). Study of the origin and development of economic theories that have influenced western civilization. Particular attention will be given to the period since 1750. PREREQ: EC 205 and EC 206.

EC 315 COMPARATIVE ECONOMIC SYSTEMS (3-0-3)(S). A comparative study of the goals and methods of various economic systems, including competitive market capitalism, centrally-planned administrative socialism, and worker self-management. Topics include each system's ideological foundations, institutions of property ownership, and economic decision-making mechanisms. The problem of transforming centrally-planned socialist economies into market economies also will be studied. PREREQ: EC 205 and EC 206 or PERM/INST.

EC 317 INTERNATIONAL ECONOMICS (3-0-3)(S). The benefits and pattern of world trade and investment. Tariffs, quotas, and the commercial policies of nations. The foreign exchange market and the balance of payments. Consequences of balance-of-payments disequilibrium for national policy. The analysis of international payments adjustment and the nature and institutions of international monetary systems. PREREQ: EC 205 and EC 206.

EC 319 DEVELOPMENT ECONOMICS (3-0-3)(F/S)(Alternate years). This course examines economic development within the context of a global political economy. Alternative development paradigms and resulting policy prescriptions will be studied. The record of successes and failures of developing countries will be evaluated and these countries' common characteristics compared. Specific topics will include development and income distribution, resource mobilization, agricultural and industrial development, human resource development, the role of international agencies, international trade relations, and foreign aid and investment. PREREQ: EC 205 and EC 206.

EC 321 REGIONAL ECONOMICS (3-0-3)(F). Application of economic analysis to regional problems of structure, growth, and policy. Location theory, various growth models, and specific techniques such as input-output analysis, base multipliers, and cost/benefit analysis are developed. PREREQ: EC 205 and EC 206.

EC 322 URBAN ECONOMICS (3-0-3)(S). Focus on the structure of the urban areas, locational patterns, housing, crime, pollution, poverty, financial, and transportation problems. Tools of economic analysis will be used to analyze the problems and existing and proposed policies. PREREQ: EC 205 and EC 206 or PERM/INST.

EC 325 RADICAL ECONOMICS (3-0-3)(F). Analysis of radical political-economic thought and its applications to the study of socioeconomic problems. Topics include Marxian socialist economic theory, libertarianism, anarchist theory, evolutionary economic theory, and other radical models. Issues such as imperialism, economic and social inequality, and alienation will be considered. PREREQ: EC 205 and EC 206 or PERM/INST.

EC 327 LABOR ECONOMICS (3-0-3)(F). Characteristics and structure of the U.S. labor force are examined and labor markets are analyzed to emphasize the micro- and macroeconomic factors affecting workplace decisions. Development of the U.S. industrial relations system is reviewed along with public policies, and these are contrasted with those of other western industrialized societies. PREREQ: EC 205 and EC 206.

EC 333 NATURAL RESOURCE ECONOMICS (3-0-3)(F). The theoretical and policy issues associated with the use of natural resources are addressed, including property rights issues that arise when considering collective goods, externalities, and common property resources. Tools used in the design and evaluation of resource policy, such as benefit/cost analysis, are covered. PREREQ: EC 205.

EC 417 (HY 417) U.S. ECONOMIC HISTORY (3-0-3)(S)(Alternate years). Major factors in the economic growth and development of the United States from colonial times to the present. Particular emphasis is given to the interaction of economic factors and other aspects of American society. This course may be taken for either EC or HY credit, but not both. PREREQ: EC 205 and EC 206 or PERM/INST.

EC 421, 421G QUANTITATIVE METHODS IN ECONOMICS (3-0-3)(F). The first of a 2-semester sequence in quantitative economic analysis, this course emphasizes the application of mathematics to the construction of economic models. Topics will include equilibrium analysis, input-output analysis, comparative static analysis, optimization techniques, and dynamic analysis. The methodological issues surrounding the use of quantitative techniques in economics are also strongly emphasized. May be taken for graduate credit. PREREQ: EC 205, EC 206, M 106 or equivalent, and PR 207.

EC 422, 422G ECONOMETRICS (3-0-3)(S). The second of a 2-semester sequence in quantitative economic analysis. This course emphasizes the application of statistics to the construction, estimation, and evaluation of econometric models. Other related topics will include history and methodology of econometrics, forecasting, computer applications, and the use of econometrics in business and government. May be taken for graduate credit. PREREQ: EC 421.

EC 440, 440G HEALTH ECONOMICS (3-0-3)(S). This course examines the economic issues associated with those individual and social decisions that influence the health of particular groups. The course also examines the production and delivery of health care and the economic and ethical aspects of health policy issues. Various economic approaches to the analysis of health policy are presented and evaluated. The focus of the course is the U.S. health care system. Comparisons will also be made to the health care systems of other nations. PREREQ: EC 205 and EC 206 or PERM/INST.

EC 480, 480G SEMINAR IN INTERNATIONAL ECONOMICS (3-0-3)(F/S). An in-depth study of a particular subject of restricted scope in international economics. Students will survey the literature, discuss assigned topics, and prepare and present research papers. Consult the *BSU Directory of Classes* for specific selection offered. Seminar may be repeated. PREREQ: EC 205 and EC 206 or PERM/INST.

EC 493 ECONOMICS INTERNSHIP (number of credits varies). Opportunity to apply economic principles in a business, nonprofit, government, or academic setting. (Pass/Fail). PREREQ: EC 303, EC 305, PR 207, and or PERM/INST.

Education, Foundations, Technology and Secondary Education — see Teacher Education

Elementary Education and Specialized Studies, Department of — see Teacher Education

Engineering Programs

Engineering Technology Building, Room 201 Telephone 208 385-3764
http://www-cot.idbsu.edu Fax Telephone 208 385-4800

Interim Director and Professor: Stephen Affleck.

Degrees Offered

- B.S. in Civil Engineering
- B.S. in Electrical Engineering
- B.S. in Mechanical Engineering

Program Statement

The goal of the BSU Engineering Program is to inspire students to become self-motivated, committed to lifelong learning, and prepared to work with others in solving the technical challenges of our society in the twenty-first century.

Courses of study and degree requirements for the programs offered are constructed to:

- Prepare and train students for success in an engineering career.
- Meet curricular requirements for engineering program accreditation.
- Allow students to expand their technical horizons through a wide selection of technical electives.

Courses are taught by qualified BSU Engineering faculty and are complemented by laboratories equipped with modern instruments. Student access to state-of-the-art computing facilities, including both PC and UNIX systems, is excellent, and the faculty is committed to involving students in computer assisted design projects beginning in the Freshman year.

The programs of study assume that incoming students are prepared to begin their studies with M 204 Calculus and Analytic Geometry. Most students who cannot meet the rigor of this course in their first semester (as determined by placement tests and/or ACT/SAT scores) will need to spend at least one semester completing preparatory courses before they can take technical courses shown in the degree requirements.

Transfer Students

Every effort is made to accommodate students who transfer to these programs from other colleges and universities. Advisors and administrators work closely to see that appropriate credit is awarded in the transfer process. Students must provide adequate catalog descriptions of courses in addition to transcripts and must apply for academic adjustments if the Registrar's Office does not grant BSU credit for equivalent course work.

Engineering Science

Engineering science courses are included in curricula for all three programs; civil engineering, electrical engineering, and mechanical engineering.

Course Offerings

See page 53 for a definition of the course-numbering system.

EN ENGINEERING SCIENCE

Lower Division

EN 100 ENERGY FOR SOCIETY (3-2-4)(Area III)(F/S). A general interest course having no prerequisite. A basic understanding of energy and how it has been put to use is developed to promote a better understanding of our present technological society with its energy, environmental, social, and political problems. Alternative as well as conventional energy solutions are considered.

EN 101 TECHNICAL DRAWING (2-2-2)(F/S). A basic course in technical drawing, covering sketching, orthographic projection, sectioning, dimensioning, pictorial drawing, and introduction to microcomputer drafting systems.

EN 102 COMPUTER FUNDAMENTALS FOR TECHNOLOGY (3-0-3)(F,S). Introductory course in use and applications of the computer in technology. Topics covered include DOS, word processing, simple programming, spreadsheets, and problem-solving with PC Solve. Also, general orientation to careers in technology. COREQ: M 108 or higher level mathematics.

EN 107 ENGINEERING FUNDAMENTALS AND COMPUTER PROGRAMMING (3-0-3)(F,S). Overview of the engineering profession. Introduction to engineering analysis and problem-solving using Pascal and Fortran languages, plus spreadsheets. PREREQ: M 111 or equivalent.

EN 108 ENGINEERING GRAPHICS (2-2-2)(F,S). Engineering graphical analysis and graphic transmission of information including use of microcomputer design and drafting systems. PREREQ: M 108 or equivalent mathematics background.

EN 124 DIGITAL COMPUTER PROGRAMMING (2-0-2)(F,S). An introduction to FORTRAN programming principles and logic including input-output, flow charting, handling arrays, and subprograms, all applied to problem solving. PREREQ: M 106 or M 108.

EN 180 ENGINEERING FUNDAMENTALS, ANALYSIS, AND DESIGN (1-4-3)(F/S). The engineering profession and professional organizations, application of computer software to solving engineering problems, and introduction to the design process. Student design projects emphasize critical thinking and teamwork, and require oral and written presentations. PREREQ: M 111 or PERM/INST.

EN 205 MECHANICS/STATICS (3-0-3)(F,S). Covers basic statics including equilibrium, analysis of trusses, frames, and machines, centroids, static friction, and moments of inertia. PREREQ: M 204 or PERM/INST.

EN 215 BASIC SURVEYING (1-3-2)(F). A basic course in surveying for nonengineering majors. Course covers use of transit, level, plane table, and computations related to evaluation, traverse, and stadia surveys. PREREQ: M 111 or equivalent.

EN 227 DC AND AC CIRCUITS (3-0-3)(F/S). Survey course in circuit analysis for engineering majors other than electrical. DC and AC circuits are analyzed using basic network theorems and analysis methods. PREREQ: M 204.

EN 250 ENGINEERING STATICS (3-0-3)(F/S). Force and moment equilibria applied to engineering systems including structures and machines. Two and three dimensional applications of scalars and vectors, free body diagrams, and methods and procedures of engineering analysis. PREREQ: M 205 and PH 211. PREREQ or COREQ: EN 180.

EN 252 ENGINEERING DYNAMICS (3-0-3)(F/S). Kinematics and kinetics of particles and rigid bodies using concepts of force and acceleration, working and energy, and impulse and momentum. PREREQ: EN 250.

EN 293 INTERNSHIP (Variable Credits). Cooperative education/internship in engineering. Provides on-the-job engineering experience.

Upper Division

EN 306 MECHANICS OF MATERIALS (3-0-3)(F/S). Elasticity, strength, and modes of failure of engineering materials, stress-strain theory for beams, shafts, and columns. PREREQ: EN 205 or EN 250.

EN 320 THERMODYNAMICS I (3-0-3)(F/S). Thermodynamic properties of fluids, 1-D heat transfer, compression and expansion work, system and process analysis applying the first and second laws of thermodynamics, basic heat engine and heat pump theory, and cycles. PREREQ: M 333 and PH 211.

EN 321 THERMODYNAMICS I LAB (0-3-1)(F/S). Laboratory of basic thermodynamic process and 1-D heat transfer experiments involving experiment design, data acquisition, analysis, and reporting. COREQ: EN 320.

EN 330 FLUID MECHANICS (3-0-3)(F/S). Physical properties of fluids, fluid mechanics, measurements, viscous flow, turbulent flow, momentum, lift, drag, boundary layer effects, pipe flow, and open channel flow. PREREQ: EN 205, M 333, and either M 324 or M 323.

EN 331 FLUID MECHANICS LAB (0-3-1)(F/S). Fluid mechanics experiments, measurements, data acquisition, and data analysis. Viscosity, fluid statistics, hydraulics, computational fluid dynamics, pipe flow, turbulence, drag, and lift. COREQ: EN 330.

EN 350 ENGINEERING MECHANICS OF MATERIALS (3-0-3)(F/S). Principles of stress, strain, and deformation applied to the analysis of engineering structures including beams, shafts, and columns. PREREQ: EN 250.

EN 360 ENGINEERING ECONOMY (3-0-3)(F/S). Economic analysis and comparison of engineering alternatives by annual-cost, present-worth, capitalized cost, and rate-of-return methods; income tax considerations. PREREQ: Junior standing.

EN 399 ENGINEERING SEMINAR (1-0-1)(F/S). Development of skills used in the engineering profession. Individual and group behavior, teamwork, effective meetings, engineering ethics, safety, law, project management, and engineering proposal development. Group projects are used to develop communications skills as applied in engineering practice. PREREQ: CM 111, E 202, and either EN 252 or EX 222.

EN 493 INTERNSHIP (variable credits). Cooperative engineering education/internship. On-the-job engineering experience. PREREQ: Junior or senior standing, and either EN 252 or EX 222.

Department of Civil Engineering

Engineering Technology Building, Room 240 Telephone 208 385-4078
http://www-cot.idbsu.edu Fax Telephone 208 385-4800

Chair and Professor: Stephen Affleck. *Assistant Professors*: Hamilton, Haws, Murgel, Sener.

Degrees Offered

- B.S. in Civil Engineering

Program Statement

Civil engineers usually work on macro scale projects that affect the public. They design and improve transportation systems, buildings, dams and canal systems and the way people interact with the environment.

Civil engineering students are exposed to the basics of many disciplines as undergraduates. They need to be highly adaptable in the job market. Thus, the faculty has the responsibility of giving the students a broad based education in both modern and classical methods of problem solving to prepare them for work in the field, in an office, or in graduate school.

Degree Requirements

Civil Engineering
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
***Area I — see page 41 for list of approved courses**	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
***Area II — see page 41 for list of approved courses**	
CM 111 Fundamentals of Speech Communication	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
C 131, 132, 133 College Chemistry and Lab	7
CX 210, 211 Engineering Surveying and Lab	3
CX 320 Environmental Engineering and Design	3
CX 340, 341 Engineering Properties of Construction Materials and Lab	3
CX 352 Structural Analysis and Design	3
CX 360, 361 Engineering Properties of Soils and Lab	3
CX 370 Transportation Engineering Fundamentals	3
CX 450 Reinforced Concrete Design	3
CX 480 Senior Design Project	4
E 202 Technical Communication	3
EN 108 Engineering Graphics	2
EN 124 Digital Computer Programming **OR** CS 113 Introduction to Pascal **OR** CS 115 Introduction to C	2
EN 180 Engineering Fundamentals, Analysis, and Design	3
EN 250 Engineering Statics	3
EN 252 Engineering Dynamics	3

— continued —

Civil Engineering (continued)

EN 320 Thermodynamics I **OR** EN 227 DC and AC Circuits	3
EN 330, 331 Fluid Mechanics and Lab	4
EN 350 Engineering Mechanics of Materials	3
EN 360 Engineering Economy	3
EN 399 Engineering Seminar	1
M 204, 205 Calculus and Analytic Geometry	9
M 323 Multivariable Calculus	2
M 333 Differential Equations with Matrix Theory	4
M 360 Engineering Statistics	3
PH 211, 212 Mechanics, Waves, and Heat and Lab	5
PH 213, 214 Electricity, Magnetism, and Optics and Lab	5
*Civil Engineering Design elective	3
*Civil Engineering Technical electives	3
*Technical electives	6
Total	132

NOTE: In either Area I or II, students must complete two related courses in the same field.
*All university core courses and technical and design electives must be approved by the student's advisor.

Course Offerings

See page 53 for a definition of the course-numbering system.

CX CIVIL ENGINEERING

Lower Division

CX 210 ENGINEERING SURVEYING (2-0-2)(F/S). Use of transits, theodolites, levels and EDM's to measure horizontal and vertical distances, and angles. Error analysis, traverse, route and land surveying, construction surveying, and accompanying methods and calculations. PREREQ: M 111 or equivalent. COREQ: CX 211.

CX 211 ENGINEERING SURVEYING LAB (0-3-1)(F/S). Lab work and demonstrations in surveying. COREQ: CX 210.

Upper Division

CX 320 ENVIRONMENTAL ENGINEERING AND DESIGN (2-2-3)(F/S). Treatment of domestic and industrial water supplies. Disposal of domestic sewage and industrial wastes. Environmental considerations in water management, water use, wastewater generation, and water quality. Design of water and wastewater treatment systems. PREREQ: C 133 and EN 330.

CX 332 HYDROLOGY (3-0-3)(F/S). Water cycle analysis, precipitation and runoff events, climatology, evaporation, transpiration, and snow melt. PREREQ: EN 330.

CX 336 HYDRAULICS (3-0-3)(F/S). Applied principles of fluid mechanics, pipe flow, open channel flow, flow nets, and hydraulic machinery. Design. PREREQ: EN 330.

CX 340 ENGINEERING PROPERTIES OF CONSTRUCTION MATERIALS (2-0-2)(F/S). Physical and engineering properties, behavior, design, and utilization of construction materials. PREREQ: EN 306 or EN 350.

CX 341 ENGINEERING PROPERTIES OF CONSTRUCTION MATERIALS LAB (0-3-1)(F/S). Evaluation of materials used in construction. PREREQ or COREQ: CX 340.

CX 352 STRUCTURAL ANALYSIS AND DESIGN (2-2-3)(F/S). Analysis and design of statically determinate and indeterminate structures, under static or moving loads, using classical methods. Equilibrium, stress-strain relations, and compatibility. PREREQ: EN 306 or EN 350.

CX 354 MATRIX STRUCTURAL ANALYSIS (2-2-3)(F/S). Structural systems analysis using the stiffness method. Development of element properties, coordinate transformations, and global analysis theory. Computer utilization for problem solving. PREREQ: CX 352.

CX 360 ENGINEERING PROPERTIES OF SOILS (2-0-2)(F/S). Descriptive terminology, physical and engineering properties, measurement techniques, and behavior of soils. PREREQ: EN 306 or EN 350.

CX 361 ENGINEERING PROPERTIES OF SOILS LAB (0-3-1)(F/S). Use of test apparatus in the evaluation of soils. PREREQ or COREQ: CX 360.

CX 370 TRANSPORTATION ENGINEERING FUNDAMENTALS (3-0-3)(F/S). Planning, design, and operation of public transportation systems. PREREQ or COREQ: M 360.

CX 390 CODES AND OFFICIAL DOCUMENTS (3-0-3)(F/S). Survey of codes and related works influencing the design and construction of projects. Requirements generated by the UBC code, ASCE-7, Life Safety, and the Americans with Disabilities Act. Determination of structural loads, resolution of conflicts among governing codes, and interpretation of documents.. PREREQ: Junior or senior standing.

CX 422 HAZARDOUS WASTE ENGINEERING (3-0-3)(F/S). Physical, chemical, and biological treatment of hazardous wastes. Consideration of legal and political issues. PREREQ: CX 320.

CX 424 WATER AND WASTEWATER TREATMENT PLANT DESIGN (3-0-3)(F/S). Design of treatment systems for water supply and wastewater disposal. PREREQ: CX 320.

CX 426 ENVIRONMENTAL PROCESS CHEMISTRY (3-0-3)(F/S). Chemical principles in treating water and wastewater. Chemical equilibrium and chemical interaction effects of waste effluents in natural water systems. PREREQ: C 133 and CX 320.

CX 440 PAVEMENT DESIGN AND EVALUATION (2-3-3)(F/S). Pavement design processes, materials selection and characterization methods, design of flexible pavements, design of rigid concrete pavements, condition survey and ratings, distress evaluation, and maintenance and rehabilitation techniques. PREREQ: CX 340 and CX 370.

CX 450 REINFORCED CONCRETE DESIGN (2-3-3)(F/S). Design of reinforced concrete structures, such as beams, columns, one way slabs, and simple footings, in accordance with latest ACI Code for Reinforced Concrete. PREREQ: CX 352.

CX 452 STRUCTURAL STEEL DESIGN (2-3-3)(F/S). Design of steel structures, such as beams and columns, in accordance with latest AISC Manual of Steel Construction, LRFD edition. PREREQ: CX 352.

CX 454 TIMBER DESIGN (2-3-3)(F/S). Design of wood, and wood composite, structures and systems based on mechanical and structural characteristics and specifications. PREREQ: CX 352.

CX 460 GEOTECHNICAL ENGINEERING DESIGN (3-0-3)(F/S). Subsoil exploration and site investigation methodologies. Soil mechanics in design of earth retaining structures, shallow and deep foundations, embankments, slopes, and excavations. PREREQ: CX 360.

CX 462 FOUNDATION DESIGN (3-0-3)(F/S). Design of deep and shallow foundations, slope stabilization, and retaining structures. PREREQ: CX 360 and CX 450.

CX 470 HIGHWAY AND TRAFFIC SYSTEMS DESIGN (2-2-3)(F/S). Planning, geometrics, location, and design of urban and rural highway systems. PREREQ: CX 360 and CX 370.

CX 480 SENIOR DESIGN PROJECT (0-8-4)(F/S). Capstone design experience integrating previous course work with modern design theory and methodology. Applied through a comprehensive individual or group project, integrating criteria based upon customer, code, and engineering requirements. Includes a series of progress reports and a final formal presentation. PREREQ: CX 340, CX 352, CX 360. PREREQ or COREQ: CX 320 and EN 360.

Department of Electrical Engineering

Engineering Technology Building, Room 201 Telephone 208 385-3764
http://www-cot.idbsu.edu Fax Telephone 208 385-4800

Chair and Associate Professor: Gary Erickson. Associate *Professor:* Ahmed-Zaid. *Assistant Professor*: Duttagupta, Kuhr, Parke, Rafla.

Degrees Offered

- B.S. in Electrical Engineering

Program Statement

Today's electrical engineer must be able to find solutions to new complex technical problems. He must have strong people skills and be able to integrate technical concepts with those of management, public policy, safety, and environmental areas in a team environment. BSU offers four major areas of concentration:

- microelectronics
- communication systems
- computer systems
- energy conversion systems

The many laboratory courses in the program provide students with significant hands-on experience which is attractive to potential employers.

Degree Requirements

The following degree requirements were approved for the engineering supplement to the 1996-1997 catalog. Because of input from new electrical engineering faculty, substantial changes to these degree requirements and the following course offerings are expected to be in place for Fall, 1997 and will be published in a supplement to this catalog (available in March, 1997.)

Electrical Engineering
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
***Area I — see page 41 for list of approved courses**	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
***Area II — see page 41 for list of approved courses**	
CM 111 Fundamentals of Speech Communication	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
C 131, 132 College Chemistry and Lab	4
E 202 Technical Communication	3
EN 108 Engineering Graphics	2
EN 124 Digital Computer Programming **OR**	2
CS 113 Introduction to Pascal **OR**	
CS 115 Introduction to C	
EN 180 Engineering Fundamentals, Analysis and Design	3
EN 320 Thermodynamics I	3
EN 399 Engineering Seminar	1
EX 220, 221, 222, 223 Systems and Circuits I, II and Labs	8
EX 320, 323 Electronics I, II and Labs	8
EX330, 331 Digital Logic Systems and Lab	4
EX 360 Signals and Systems	3
EX 370, 371 Electrical Machinery and Lab	4
EX 390 Electromagnetic Theory	3
EX 480, 483 Senior Design Project I, II and Labs	8
M 204, 205 Calculus and Analytic Geometry	9
M 324 Multivariable and Vector Calculus	4
M 333 Differential Equations with Matrix Theory	4
M 360 Engineering Statistics	3
PH 211, 212 Mechanics, Waves, and Heat and Lab	5
PH 213, 214 Electricity, Magnetism, and Optics and Lab	5
*Electrical Engineering Technical electives	12
*Technical electives	6
Total	134

NOTE: In either Area I or II, students must complete two related courses in the same field.
*All university core courses and technical and design electives must be approved by the student's advisor.

Course Offerings

See page 53 for a definition of the course-numbering system.

EX ELECTRICAL ENGINEERING

Lower Division

EX 220 SYSTEMS AND CIRCUITS I (3-0-3)(F/S). Electrical circuits and basic network analysis. Simple resistive, capacitive and inductive circuits, network theorems, and circuit analysis methods. COREQ: EX 221. PREREQ or COREQ: EN 180 and M 333.

EX 221 SYSTEMS AND CIRCUITS I LAB (0-3-1)(F/S). Lab work and use of computer aided circuit design in basic circuit analysis. COREQ: EX 220.

EX 222 SYSTEMS AND CIRCUITS II (3-0-3)(F/S). Second order circuits, the use of phasors, AC steady-state analysis and frequency-domain analysis, polyphase circuits, transformers, filters, and Fourier analysis. PREREQ: EX 220, EX 221, and M 333. COREQ: EX 223.

EX 223 SYSTEMS AND CIRCUITS II Lab (0-3-1)(F/S). Lab work and use of computer aided circuit design in basic circuit analysis. COREQ: EX 222.

Upper Division

EX 320 ELECTRONICS I (3-0-3)(F/S). Fundamentals of electronic devices. Diodes, rectifiers, power supply circuits, bipolar junction and field effect transistors, biasing design,

operational amplifier circuits, and computer aided circuit design. PREREQ: EX 222. COREQ: EX 321.

EX 321 ELECTRONICS I LAB (0-3-1)(F/S). Lab work and computer aided circuit design in electronic circuits. COREQ: EX 320.

EX 322 ELECTRONICS II (3-0-3)(F/S). Electronic amplifier systems, amplitude and frequency response, multistage systems, effects of stability, temperature and nonlinearity, saturation, cut-off, and feedback. Computer aided circuit design. PREREQ: EX 320 and EX 321. COREQ: EX 323.

EX 323 ELECTRONICS II LAB (0-3-1)(F/S). Lab work and use of computer aided circuit design in electronic circuits. COREQ: EX 322.

EX 330 DIGITAL LOGIC SYSTEMS (3-0-3)(F/S). Number systems, Boolean Algebra, logic gates and circuits, Karnough mapping, combinatorial circuits, basics of microprocessor operations, and design. PREREQ: EX 222. COREQ: EX 331.

EX 331 DIGITAL LOGIC SYSTEMS LAB (0-3-1)(F/S). Lab work in digital logic systems. COREQ: EX 330.

EX 360 SIGNALS AND SYSTEMS (3-0-3)(F/S). Application and theory of Laplace transforms, Fourier series and transforms, continuous and discrete systems, basics of amplitude, and frequency modulation and design. PREREQ: EX 222.

EX 370 ELECTRICAL MACHINERY (3-0-3)(F/S). Single and 3-phase AC machines, DC machines, and transformers. PREREQ: EX 222 and PH 213. COREQ: EX 371.

EX 371 ELECTRICAL MACHINERY LAB (0-3-1)(F/S). Lab work on electrical machines and transformers. COREQ: EX 370.

EX 390 (PH 381) ELECTROMAGNETIC THEORY (3-0-3)(F/S). Maxwell's equations in free space and other mediums, vector calculus, isotropic radiation, antennas, and transmission lines. Design. This course may be taken for either EX or PH credit, but not both. PREREQ: M 333 and EX 360.

EX 410 ANALOG AND DIGITAL MICROCIRCUITS I (3-0-3)(F/S). Theoretical and practical aspects of techniques used in fabrication of silicon-based microcircuits. Alloying, doping, diffusion, oxidation, and etching of semiconductors. Fabrication techniques for bi-polar and MOS devices. Analog and digital microcircuit design and layout. PREREQ: EX 222.

EX 415 ANALOG AND DIGITAL MICROCIRCUITS II (3-0-3)(F/S). Conversion of circuit schematics to integrated circuit chip layouts. Emphasis on integrated circuits, device design, and performance on interconnected VLSI systems. CAD and computer aided circuit design used in process simulation, analysis, placement, and routing projects. PREREQ: EX 410.

EX 430 ANALOG COMMUNICATIONS SYSTEMS (3-0-3)(F/S). Signals and noise in AM and FM communications systems. Special analysis, filtering, modulation, and band width. Design problems. PREREQ: EX 360.

EX 435 DIGITAL COMMUNICATIONS SYSTEMS (3-0-3)(F/S). Digital communication networks and switched systems, store and forward communications systems, broadband techniques, channel protocol, and current developments in design and operation. PREREQ: EX 430.

EX 440 ADVANCED LOGIC SYSTEMS (3-0-3)(F/S). Advanced topics in combinational logic design, synchronous and asynchronous sequential systems, hazards, races, path protection, and control structures. PREREQ: EX 330.

EX 445 COMPUTER SYSTEMS (3-0-3)(F/S). Computer architecture, process organization, design, micro-programming, arrays, series and parallel bus, stack configuration, RAM, ROM, and input/output structures. PREREQ: EX 440.

EX 450 POWER ANALYSIS (3-0-3)(F/S). Advanced multiphase systems, generation and distribution. Transient and steady state analysis. Power regulation, harmonic considerations, transform effects, transients, and resonance. Design. PREREQ: EX 370 and EX 371.

EX 455 POWER SYSTEMS (3-0-3)(F/S). Power devices, switching of power phase control, feedback considerations, and convertors. Design. PREREQ: EX 450.

EX 460 LINEAR SYSTEMS THEORY (3-0-3)(F/S). Linear operations, space flows, I/O relations, state and space variables, optimization. Control systems and design. PREREQ: EX 360.

EX 465 ADVANCED CIRCUIT THEORY (3-0-3)(F/S). Analog and digital circuit design in controls and communications, feedback, noise immunity, and systems integration. PREREQ: EX 460.

EX 480 SENIOR DESIGN PROJECT I (3-0-3)(F/S). Capstone design experience integrating previous course work with modern design theory and methodology. Applied through a comprehensive individual or group project, integrating criteria based upon customer and engineering requirements, computer modeling, and simulation and reliability analysis. Includes a series of progress reports and a final formal presentation. PREREQ: EX 322, EX 370, and EX 390. COREQ: EX 481.

EX 481 SENIOR DESIGN PROJECT I LAB (0-3-1)(F/S). Lab work on senior design project. COREQ: EX 480.

EX 482 SENIOR DESIGN PROJECT II (3-0-3)(F/S). Capstone design experience integrating previous course work with modern design theory and methodology. Applied through a comprehensive individual or group project, integrating criteria based upon customer and engineering requirements, computer modeling, and simulation and reliability analysis. Includes a series of progress reports and a final formal presentation. PREREQ: EX 322, EX 370, and EX 390. COREQ: EX 483.

EX 483 SENIOR DESIGN PROJECT II LAB (0-3-1)(F/S). Lab work on senior design project. COREQ: EX 482.

Department of Mechanical Engineering

Engineering Technology Building, Room 240 Telephone 208 385-4078
http://www-cot.idbsu.edu Fax Telephone 208 385-4800

Chair and Associate Professor: Joseph Guarino. *Professors:* Dawson, Parks. *Associate Professor*: Eggert. *Assistant Professors*: Bunnell, Ferguson, Tennyson.

Degrees Offered

- B.S. in Mechanical Engineering

Program Statement

The mechanical engineering program at Boise State University prepares students for the rewards and challenges of a career in the multi-faceted field of mechanical engineering. The curriculum was carefully developed with input from engineering professionals to provide a sound foundation in basic engineering while enabling students to specialize in diverse topics such as machine design, thermal systems, robotics, materials science, and design theory. Graduates are well prepared to enter the workplace or to further their education in graduate school.

Degree Requirements

Mechanical Engineering
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
***Area I — see page 41 for list of approved courses**	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
***Area II — see page 41 for list of approved courses**	
CM 111 Fundamentals of Speech Communication	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
C 131, 132 College Chemistry and Lab	4
E 202 Technical Communication	3
EN 108 Engineering Graphics	2
EN 124 Digital Computer Programming **OR** CS 113 Introduction to Pascal **OR** CS 115 Introduction to C	2
EN 180 Engineering Fundamentals, Analysis, and Design	3
EN 227 DC and AC Circuits	3
EN 250 Engineering Statics	3
EN 252 Engineering Dynamics	3
EN 320, 321 Thermodynamics I and Lab	4
EN 330, 331 Fluid Mechanics and Lab	4
EN 350 Engineering Mechanics of Materials	3
EN 399 Engineering Seminar	1
M 204, 205 Calculus and Analytic Geometry	9
M 324 Multivariable and Vector Calculus	4
M 333 Differential Equations with Matrix Theory	4
M 360 Engineering Statistics	3

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Mechanical Engineering (continued)	
MX 240, 241 Engineering Materials and Lab	4
MX 280 Mechanical Engineering Design	3
MX 320, 321 Heat Transfer and Lab	4
MX 380 Kinematics and Machine Dynamics	4
MX 382 Machine Design	3
MX 410 Mechanical Engineering Lab	3
MX 424 Thermal and Fluids Systems Design	3
MX 480 Senior Design Project	4
PH 211, 212 Mechanics, Waves, and Heat and Lab	5
PH 213, 214 Electricity, Magnetism, and Optics and Lab	5
*Mechanical Engineering Design elective	3
*Technical electives	6
Total	132

NOTE: In either Area I or II, students must complete two related courses in the same field.
*All university core courses and technical and design electives must be approved by the student's advisor.

Course Offerings

See page 53 for a definition of the course-numbering system.

MX MECHANICAL ENGINEERING

Lower Division

MX 240 ENGINEERING MATERIALS (3-0-3)(F/S). Chemical, metallurgical, and other principles that affect the physical properties and selection of engineering materials. PREREQ: C 131 and C 132. COREQ: MX 241.

MX 241 ENGINEERING MATERIALS LAB (0-3-1)(F/S). Testing of materials and structures, data acquisition and analysis. COREQ: MX 240.

MX 280 MECHANICAL ENGINEERING DESIGN (2-3-3)(F/S). Modern engineering design and production processes. Use of computer programs to develop 3-D geometric models for visualization, documentation, and generation of automated machining code. Shop experience in manual and automated welding and machining processes. Concepts and methodologies reinforced through design projects. PREREQ: EN 108, MX 240, and structured programming. PREREQ or COREQ: EN 252 and M 324.

Upper Division

MX 320 HEAT TRANSFER (3-0-3)(F/S). Steady and unsteady heat transfer by conduction, free and forced convection, and radiation. PREREQ: EN 320, M 324, and M 333. COREQ: MX 321.

MX 321 HEAT TRANSFER LAB (0-3-1)(F/S). Heat transfer experiments, measurements, data acquisition and data analysis. Conduction, free and forced convection, radiation and computational heat transfer. COREQ: MX 320.

MX 370 ADVANCED ENGINEERING MATHEMATICS (2-3-3)(F/S). Application of advanced mathematics to engineering problems. Laplace and Fourier transforms, linear and nonlinear systems of equations, vector calculus, Greens and Stokes theorems, divergence, gradient, and curl. Numerical methods used for modeling and analysis. PREREQ: M 333 and either M 324, or M 323.

MX 380 KINEMATICS AND MACHINE DYNAMICS (3-3-4)(F/S). Analysis, synthesis, and simulation techniques to characterize, analyze, and design mechanisms and machines to meet performance and functional criteria. Design projects reinforce concepts and methodologies. Both student-generated code and commercial program use emphasized. PREREQ: EN 252, M 333, M 324, and structured programming.

MX 382 MACHINE DESIGN (3-0-3)(F/S). Analytical, graphical, and computer methods used in designing components such as springs, fasteners, bearings, gears, clutches, brakes, shafts, axles, and spindles. Consideration of stress and deflection analysis, materials science, impact, fatigue, and wear. PREREQ: EN 252, EN 350, M 360, and MX 380.

MX 402 APPLIED NUMERICAL METHODS FOR ENGINEERS (3-0-3)(F/S). Approximate and numerical methods for solving systems of linear and nonlinear equations, and ordinary and partial differential equations with engineering applications. Finite difference and finite element techniques; roots, curve fitting, and numerical integration. PREREQ: M 333 and structured programming.

MX 410 MECHANICAL ENGINEERING LAB (2-3-3)(F/S). Theoretical and practical techniques for designing and conducting engineering experiments. Student projects emphasize design of experiments, data acquisition, data analysis, and error analysis. Emphasis on technical communication. PREREQ: MX 382. PREREQ or COREQ: MX 324.

MX 420 THERMODYNAMICS II (3-0-3)(F/S). Advanced topics and applications of thermodynamics include power and refrigeration cycles, combustion, mixed gas properties, chemical equilibrium, and psychrometric applications. PREREQ: EN 320 and M 324.

MX 424 THERMAL AND FLUIDS SYSTEMS DESIGN (3-0-3)(F/S). Applied thermodynamics, fluid mechanics, and heat transfer in design of HVAC systems, thermal power plants and engines, related piping or ducting systems. Design for system optimization, simulation, and economics. PREREQ: EN 330 and MX 320.

MX 430 FLUID DYNAMICS (3-0-3)(F/S). Advanced fluid mechanics theory and applications in potential flow, boundary layer theory, viscous flow, turbulence, vorticity dynamics and circulation, compressible flow and gas dynamics, open channel flow, turbomachinery, stratified flow, laws, and introduction to computational fluid dynamics. PREREQ: EN 330, M 333, and either M 324 or M 323.

MX 432 ACOUSTICS (3-0-3)(F/S). Basic theories of acoustics, wave equations, acoustic response, sound generation, transmissions, and attenuation. Measurement techniques and nomenclature. PREREQ: M 333 and EN 330.

MX 433 DYNAMIC METEOROLOGY (3-1-3)(F/S). Atmospheric dynamics, conservation laws, planetary boundary layers, large scale motions and circulations, numerical modeling, prediction, meteorological resources, weather analysis, and forecasting. PREREQ: M 333 and either M 324 or M 323.

MX 440 MATERIALS PROCESSING (3-0-3)(F/S). Enhancement of engineering materials properties by hot and cold working, annealing, quenching, tempering, case hardening, sintering, cleaning, cladding, and coating. PREREQ: EN 350, MX 240, and MX 320.

MX 444 FATIGUE AND FRACTURE MECHANICS (3-0-3)(F/S). Fatigue and fracture of materials. Fatigue nucleation, crack growth, temperature effects, fracture toughness and resistance, and design considerations. PREREQ: EN 350, MX 240, M 333, and either M 324 or M 323, or PERM/INST.

MX 450 ADVANCED MECHANICS OF MATERIALS (3-0-3)(F/S). Extension of stress-strain concepts to three-dimensions, plate and shell analysis, failure theories, and fatigue. Analysis and visualization techniques include Finite Element Analysis and photoelasticity. PREREQ: EN 350.

MX 454 COMPOSITES (3-0-3)(F/S). Mechanics of composite materials. Solid mechanics principles used to analyze layered composites, long and short fiber composites, and woven composites. Finite Element Analysis reinforces content. PREREQ: M 324 and EN 350.

MX 460 COMPUTER AIDED DESIGN (3-0-3)(F/S). Computer programs used to develop 3-D CAD database for design, analysis, simulation, and manufacturing. Machinery design to meet functional, performance, reliability and manufacturing requirements. Design projects reinforce concepts and methodologies. For students desiring higher level CAD skills prior to taking MX 480. PREREQ: MX 320 and MX 382.

MX 464 PRODUCTION ENGINEERING (3-0-3)(F/S). Engineering design and control of production or manufacturing systems. Concurrent engineering, product design and process planning, facilities layout, quality control, management, inventory systems, scheduling, and information systems. PREREQ: MX 382 and MX 320.

MX 466 COMPUTER INTEGRATED DESIGN AND MANUFACTURING (3-0-3)(F/S). Integration of computer aided design with manufacturing practices. Geometric modeling, CAD, concurrent engineering, group technology, process planning and control, numerical control, robotics, and automation. PREREQ: MX 382 and structured programming.

MX 470 FINITE ELEMENT METHODS (3-0-3)(F/S). Theoretical development of finite element methods, solution algorithm formulation, and problem solving in stress analysis, heat transfer, and fluid flow. PREREQ: EN 252, EN 350, structured programming, and senior standing.

MX 472 VIBRATIONS (3-0-3)(F/S). Theory and methods for analysis of vibrating physical systems. Natural frequencies, mode shapes, damping, forced vibrations, and frequency-response functions are analyzed by using computer simulation. PREREQ: MX 333 and EN 252.

MX 474 CONTROLS (2-2-3)(F/S). Theory and application of analysis and control of physical systems using classical and modern computer based methods. PREREQ: MX 333 and EN 252.

MX 480 SENIOR DESIGN PROJECT (3-3-4)(F/S). Capstone design experience integrating previous course work with modern design theory and methodology. Applied through a comprehensive individual or group project, integrating criteria based on customer and engineering requirements, design specifications, and Quality function deployment. Multiple aspects of concept design, preliminary design, final product design, documentation and presentation. PREREQ: MX 382 and MX 424.

MX 482 OPTIMAL DESIGN (3-0-3)(F/S). Analytical and computer methods used to provide optimal design of products or processes. Formulation, specification, figures or merit, controllable variables, constraints, and relationships among design variables. Single and multi-variable optimization algorithms using linear and nonlinear programming methods to design problems in structures, machine components, and energy systems. PREREQ: MX 382 and MX 320.

MX 484 ROBUST DESIGN (3-0-3)(F/S). Statistics and probability applied to the design of products and processes. Stochastic modeling and analysis of mechanical systems. Product reliability, series and parallel systems reliability, structural reliability, Taguchi methods, failure modes and effects analysis, and Monte Carlo simulation. PREREQ: MX 320 and MX 382.

MX 486 HUMAN FACTORS DESIGN (3-0-3)(F/S). Anthropometry, biomechanics, and psychology applied to machinery and systems designs which involve human interaction. Design considerations include efficiency, productivity, environmental factors, human capabilities, comfort, and safety. Design projects demonstrate concepts and methodologies. PREREQ: Senior standing.

Department of English

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Chair and Professor: Chaman L. Sahni. *Director of Graduate Studies and Professor:* Jan Widmayer. *Director of Undergraduate Studies and Assistant Professor:* Bruce Robbins. *Director of Technical Communication and Professor:* Mike Markel. *Professors:* Boyer, Davis, Dayley, Leahy, Lojek, Maguire, Martin, Trusky, Widmayer, Willis, Zirinsky. *Associate Professors:* Guilford, Ryder, K. Sanderson, Uehling, Zaerr. *Assistant Professors:* Ackley, Anderson, Ballenger, Battalio, Evett, Hadden, Hassett, King, McGuire, Nickerson, O'Grady, Robbins, R. Sanderson, Selander, Warner, Wieland.

Degrees Offered

- B.A. and Minor in English, Liberal Arts
- B.A. in English, General Literature Emphasis
- B.A. in English, Linguistics Emphasis
- B.A. in English Teaching
- B.A. in English, Technical Communication Emphasis
- B.A. in English, Writing Emphasis
- M.A. in English (See the *BSU Graduate Catalog.*)
- M.A. in Technical Communication (See the *BSU Graduate Catalog.*)
- Certificate and Advanced Certificate in Technical Communication

Department Statement

The major in English has traditionally served to develop skills of imagining, reasoning, and communicating. English majors learn to approach matters from a variety of points of view, to recognize patterns of information or ideas from incomplete reports, and to understand other people and abstract principles. For these reasons, the major in English has provided one of the most successful preparations for professional degrees in law, medicine, and commerce.

To serve students' personal and professional goals, the department has designed several options that prepare students for lifelong learning; for graduate work in literature, language, and writing, as well as in the professions and business; and for careers in government, business, and industry. The liberal arts emphasis includes a foreign-language requirement that helps students prepare for careers in international contexts and for graduate programs with a foreign-language requirement. The English teaching emphasis fulfills Idaho certification requirements and prepares students to teach in school districts throughout the country. The general literature emphasis, by limiting specific departmental requirements, offers students flexibility in designing their programs to lead to specific graduate programs or to fulfilling personal interests and goals. The linguistics emphasis provides the opportunity for closer study of how language works and its connections with related fields such as anthropology, sociology, and psychology; the linguistics emphasis also leads to graduate study and careers in linguistics and teaching English as a second language. The technical communication emphasis, which focuses on writing, editing, and document production, prepares students for careers in business and industry and for professional writing in the health fields and in science. The writing emphasis prepares professional writers for freelance writing, writing for the fiction and poetry markets, editing, and book and periodical production.

Degree Requirements

English, Liberal Arts Emphasis
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 or E 111, 112 English Composition	6
Area I — see page 41 for list of approved courses	
E 240 and 260 Survey of British Literature	6
Foreign language 201-202 Competence in a foreign language equivalent to two years of university instruction.	8
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
E 275 Intro to Literary Studies	3
E 345 or 346 Shakespeare	3
E 393 History of Literary Criticism	3
E 498 Senior Seminar	3
American literature, chosen from E 271, 272, 378, 384	3
LI 305 Introduction to Language Studies	3
LI 309 History of the English Language	3
Pre-1800 British Literature chosen from E 340, 341, 348, 349, 350, 351, 356, 358, 359	6
Post-1800 British-American Literature chosen from E 360, 365, 366, 369, 377, 378, 384, 386, 387, 389, 390, 485, 486	6
Upper-division English courses	9
Electives to total 128 credits	42
Total	128

English Teaching
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 or E 111, 112 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
TE 201 Foundations of Education	3
Area II core course in history	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
E 275 Intro to Literary Studies	3
E 301 Teaching English Composition	3
E 381 English Teaching: Writing, Reading and Language	3
E 481 Literature for Use in Junior and Senior High School	3
E 493 Secondary School Teaching Internship (co-requisite with E 381)	1
E 498 Senior Seminar	3

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English Teaching (continued)	
Literature survey courses, chosen from E 240, 260, 271, 272	6
Writing courses 200-level or higher	6
LI 305 Introduction to Language Studies	3
Linguistics course	3
English and linguistics course credits (of these 15, 12 must be upper division and no more than 3 credits may be internship)	15
To be approved for student teaching in English, students must have: a. Passed the English Teaching Portfolio Review (during the semester prior to student teaching.) b. Completed all required courses. In some cases the department may approve enrollment in no more than two courses concurrent with student teaching. c. Completed a speech communication class. The department recommends CM 111 or CM 112 which will also give partial fulfillment of Area II core. d. Maintained a 2.50 cumulative grade point average and a 2.50 grade point average in the major. e. Completed Idaho certification requirements.	
TE 172 Intro to Secondary Teaching: Classroom Observation TE 208 Educational Technology – Classroom Applications TE 225 Educational Psychology TE 333 Educating Exceptional Secondary-Age Student TE 381 Secondary School Methods TE 407 Content Literacy for Secondary Students with Diverse Learning Needs Secondary School Student Teaching	1 3 3 1 3 3 10-16
Electives to total 128 credits	11-17
Total	128
NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See "Teacher Education" for more information..	

English, General Literature Emphasis Bachelor of Arts

Course Number and Title	Credits
E 101, 102 or E 111, 112 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature Area I core course in a second field Area I core course in a third field Area I core course in any field	3 3 3 3
Area II — see page 41 for list of approved courses	
Area II core course in history Area II core course in a second field Area II core course in a third field Area II core course in any field	3 3 3 3
Area III — see page 41 for list of approved courses	
Area III core course in one field Area III core course in a second field Area III core course in any field	4 4 4
E 275 Intro to Literary Studies	3
Survey course, chosen from E 230, 235, 240, 260, 271, and 272	3
E 393 History of Literary Criticism E 498 Senior Seminar	3 3

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English, General Literature Emphasis (continued)	
Completion of an additional 33 credits in English or linguistics, excluding E 101, E 102, E 111-H and E 112-H. a. Of these credits, 27 must be upper-division b. Of the upper-division credits, 12 must be in pre-Twentieth century British literature c. No more than 9 credits may be in English or linguistics special topics courses	33
LI 305 Introduction to Linguistics	3
Upper-division electives to total 40 credits	4
Electives to total 128 credits	34
Total	128

English, Linguistics Emphasis Bachelor of Arts

Course Number and Title	Credits
E 101, 102 or E 111, 112 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature Area I core course in a second field Area I core course in a third field Area I core course in any field	3 3 3 3
Area II — see page 41 for list of approved courses	
AN 102 Cultural Anthropology Area II core course in history Area II core course in a second field Area II core course in any field	3 3 3 3
Area III — see page 41 for list of approved courses	
Area III core course in one field Area III core course in a second field Area III core course in any field	4 4 4
E 275 Intro to Literary Studies E 498 Senior Seminar	3 3
LI 305 Introduction to Language Studies	3
Linguistics courses in addition to LI 305	18
Upper-division literature courses	3
Upper-division electives (subject to prior approval by the Department of English) that are relevant to area of interest, to be chosen from English, linguistics, foreign language (classical or modern), philosophy, psychology, history, communication and anthropology.	6
One year of a foreign language (CM 122 Introduction to Sign Language and CM 322 Intermediate Sign Language may be used to satisfy this requirement)	6-8
A second year of foreign language or one year of a second foreign language	6-8
Upper-division electives to total 40 credits	0-7
Electives to total 128 credits	27-31
Total	128

English, Technical Communication Emphasis
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 or E 111, 112 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
E 201 Nonfiction Writing	3
E 275 Introduction to Literary Studies	3
E 302 Technical Rhetoric	3
E 401 Advanced Nonfiction Writing	3
E 402 Advanced Technical Communication	3
E 403 Technical Editing	3
E 405 Document Production	3
E 493 Internship	6
E 498 Senior Seminar	3
GB 360 Business Ethics and Social Responsibility	3
IS 310 Introduction to Management Information Systems	3
Communication courses chosen from CM 111 Fundamentals of Speech, CM 201 Perspectives of Inquiry, CM 302 Research Methods, CM 307 Interviewing, CM 321 Rhetorical Theories, CM 361 Organizational Communication, CM 379 Communication Graphics, CM 390 Conflict Management, CM 478 Public Relations, CM 481 Studies in Interpersonal Communication, CM 482 Studies in Mass Communication, CM 483 Studies in Organizational Communication, and CM 484 Studies in Rhetoric and Public Persuasion.	3
Linguistics courses chosen from LI 305, LI 306, LI 406	6
Management and sociology courses chosen from MG 301 Management and Organizational Theory, MG 401 Organizational Behavior, MG 405 Management of Continuous Learning, and SO 487 Organizational Theory and Bureaucratic Structure	3
Upper-division literature courses	6
Electives to total 128 credits	32
Total	128

English, Writing Emphasis
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 or E 111, 112 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3

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English, Writing Emphasis (continued)

Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
E 201 Nonfiction Writing	3
E 202 Technical Communication **OR** E 302 Technical Rhetoric (Students take E 302 if they plan to go on to E 402 Advanced Technical Communication.)	3
E 205, 206 Creative Writing	3
E 275 Intro to Literary Studies	3
E 493 Writing Internship	3
E 498 Senior Seminar	3
LI 305 Introduction to Language Studies	3
Additional writing courses 200-level or above (9 upper–division credits) May include courses in rhetoric, tutoring and teaching writing, and technical communication. May also include feature writing, critical writing. playwriting, and other writing courses offered outside the Department of English if writing is clearly the central subject of the course (prior approval of the Department of English is required). Does not include writing-intensive courses.	12
Upper-division literature courses	9
Additional upper-division English or linguistics courses	6
Upper-division electives to total 40 credits	7
Electives to total 128 credits	31
Total	128

English Minor

Course Number and Title	Credits
Writing course numbered 200 or higher	3
E 240 or 260 Survey of British Literature	3
E 271 or 272 Survey of American Literature	3
Linguistics course	3
Upper-division English and linguistics courses	6
Upper- or lower-division English and linguistics course	3
Total	21

Minor Teaching Endorsement in English

Course Number and Title	Credits
E 240 or 260 Survey of British Literature	3
E 271 or 272 Survey of American Literature	3
E 275 Introduction to Literary Studies	3
E 301 or 381 methods course	3
LI 305 Introduction to Language Studies	3
Upper-division literature course	3
Writing courses numbered 200 or higher	6
Total	24

Students who wish to student teach in English must gain English department approval through successful completion of the English Teaching Portfolio Review.

Theatre Arts Minor for English Majors	
Course Number and Title	**Credits**
TA 117 Technical Theatre	4
TA 118 Technical Theatre	4
TA 215 Acting	3
TA 331 Major Production Participation	1
Two of the following: TA 233 Stage Voice TA 341 World Drama, 500 B.C. to 1660 TA 342 World Drama, 1660 to 1960 TA 445 Contemporary Theatre TA 401 Directing	5-6
One of the following: E 345 Shakespeare: Tragedies and Histories E 346 Shakespeare: Comedies and Romances	3
Total	20-21

Combined Major, Communication and English

The combined major is designed for students interested in jobs in business, industry, or mass communication. It offers an opportunity to combine courses in complementary subject areas. Students select an emphasis in journalism or in communication under the combined major. See the department of communication listing in this catalog for specific requirements.

Technical Communication

The Certificate in Technical Communication and the Advanced Certificate in Technical Communication are intended to enhance the education of students who are seeking a baccalaureate degree or who already have a baccalaureate degree. Each certificate consists of five courses: three required courses in technical communication, as well as two related, approved electives. Students who wish to substitute an alternative course for one of the two listed electives may petition the Director of Technical Communication.

The Certificate in Technical Communication is intended for undergraduate students or post-baccalaureate students who wish to improve their skills as communicators. The Advanced Certificate in Technical Communication is intended for advanced undergraduate and graduate students.

Certificate in Technical Communication	
Course Number and Title	**Credits**
E 302 Technical Rhetoric	3
E 402 Advanced Technical Communication	3
E 403 Technical Editing	3
Two of the following courses: AR 105 Basic Design AR 106 Basic Design AR 156 Architectural Graphic Communication AR 333 Computer I: Text and Image CM 221 Interpersonal Communication CM 231 Public Speaking CM 251 Communication in Small Groups CM 255 Introduction to Communication Training & Development CM 307 Interviewing CM 361 Organizational Communication CM 478 Public Relations CM 481 Studies in Interpersonal Communication EN 108 Engineering Graphics GB 360 Business Ethics and Social Responsibility	5-6

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Certificate in Technical Communication (continued)	
IS 310 Introduction to Management Information Systems LI 305 Introduction to Language Studies MG 401 Organizational Behavior MG 405 Management of Continuous Learning MK 306 Marketing Communications SO 390 Conflict Management SO 487 Organizational Theory and Bureaucratic Structure	
Total	14-15

Advanced Certificate in Technical Communication	
Course Number and Title	**Credits**
E 512 Technical Rhetoric and Genres	3
E 513 Technical Editing	3
E 514 Technical Communication Ethics	3
Two of the following courses: AR 333 Computer I: Text and Image CM 307 Interviewing CM 361 Organizational Communication CM 478 Public Relations CM 481 Studies in Interpersonal Communication IS 310 Introduction to Management Information Systems IP 537 Instructional Design LI 305 Introduction to Language Studies MG 401 Organizational Behavior MG 405 Management of Technology MG 306 Promotion Management SO 390 Conflict Management SO 487 Organizational Theory and Bureaucratic Structure TE 538 Instructional Courseware Design	5-6
Total	14-15

English Proficiency Requirement

Because the ability to read, write, and think critically are characteristics of an educated person, Boise State University requires students to demonstrate proficiency in English. All students seeking a baccalaureate degree — and, with few exceptions, those seeking an associate degree — must either complete a certain number of credits in English composition or demonstrate English proficiency in one of the ways described in Chapter 11, "Obtaining a Degree at BSU."

Course Offerings

See page 53 for a definition of the course-numbering system.

E ENGLISH

Lower Division

E 010 DEVELOPMENTAL WRITING (1-2-0). Training in writing and editing processes with emphasis on correctness and sentence structure. Attention to fluency, organization, development, revision. Required if writing sample demonstrates need or if ACT, SAT, or CPT score is below 20th percentile. Also for basic review. Successful completion of competency test required.

E 101 ENGLISH COMPOSITION (3-0-3)(Core). Introductory college writing and critical reading, with the goal of producing well-organized expository essays. Emphasis on writing thoughtful, accurate discussions of reading, observations, and ideas; developing the author's voice and inventiveness; and editing for style and conventions of standard usage. PREREQ: ACT or SAT percentile score of 20 or above, or P (Pass) in E 010 or E 123.

E 102 ENGLISH COMPOSITION (3-0-3)(Core). Emphasis on researching, reading, and writing about texts from various disciplines, practice in exposition, to include summarizing, synthesizing, and evaluating sources. PREREQ: Grade of C or above in E 101 or ACT/SAT percentile score of 80 or above.

E 111, 112 HONORS COMPOSITION (3-0-3)(Core). Provides superior student challenge emphasizing independent study and original writing. Introduction to critical writing and study of ideas through literature. Honors 111 concentrates on lyric poetry, essays, and short fiction. Honors 112 concentrates on epic poetry, drama, and the novel.

Normal prerequisite: SAT or ACT of 80th percentile or above for E 111. PREREQ: E 111 or PERM/CHAIR for E 112.

E 121 ENGLISH AS A SECOND LANGUAGE (5-0-3)(F/S). Special emphasis on vocabulary development, reading, and development of skills in written English. Graded Pass/Fail. PREREQ: Placement exam and recommendation from Foreign Student Admissions.

E 122 COMPOSITION AND READING FOR FOREIGN STUDENTS (5-0-3)(F/S). Practice in reading and composition, development of special vocabulary skills related to individual needs, and advanced English sentence structure. Graded Pass/Fail. PREREQ: Placement exam and recommendation from Foreign Student Admissions or grade of Pass in E 121.

E 123 ADVANCED ENGLISH COMPOSITION FOR FOREIGN STUDENTS (5-0-3)(F/S). Study of and practice in the principles of formal and informal written English, principles of the essay and research paper, continuation of vocabulary development, and mastery of the more complex types of English structure. Successful completion of the competency exam required. Graded Pass/Fail. Successful completion of E 123 qualifies the student for entrance into E 101. PREREQ: Placement exam and recommendation from Foreign Student Admissions or grade of Pass in E 122.

E 131 INTRODUCTION TO LITERATURE (3-0-3)(F/S). A study of popular and classic novels, short stories, plays, and poems by notable American, British, and other authors. Students will see film or television versions and hear recorded editions of some of the works read. PREREQ: Completion of or concurrent enrollment in E 101 or PERM/CHAIR.

E 201 NONFICTION WRITING (3-0-3)(F,S). Further development of skills and strategies learned in E 102. Student will study and write nonfiction prose, particularly research and persuasive writing. Writing practice will stress the writer's awareness of his or her own style and the manipulation of stylistic elements. PREREQ: E 102.

E 202 TECHNICAL COMMUNICATION (3-0-3)(F/S). An overview of the principles and applications of technical communication for those students who expect to write on the job. Assignments are related to each student's background and field of interest. Topics include letters, instructions, reports, and technical presentations, as well as audience analysis, the writing process, graphics, document design, and the ethics of technical communication. PREREQ: E 102 or PERM/INST.

E 205 POETRY WRITING (3-0-3)(F). Based on evaluation of student's original work. May be repeated for a total of nine credit hours.

E 206 FICTION WRITING (3-0-3)(S). Introduction to fiction writing with a concentration on descriptive technique. Readings in the short story. May be repeated for a total of nine credit hours.

E 211 THE BIBLE AS LITERATURE (3-0-3)(S). Examines selected historical, biographical, poetic, dramatic teaching and letter-writing portions of Hebrew-Christian testaments. Emphasis on literary aspects with discussions of notable concepts in major writings. PREREQ: E 102.

E 213 AFRICAN-AMERICAN LITERATURE (3-0-3)(S). The African-American experience reflected in the development of African-American literature. The course relates African-American writing to its social and cultural conditions, exploring recurrent, characteristic themes, techniques, and genres from slavery to present. Emphasis on such writers as Frederick Douglass, Langston Hughes, Richard Wright, Zora Neale Hurston, Alice Walker, and contemporaries. PREREQ: E 102.

E 215 FAR EASTERN LITERATURE, IN TRANSLATION (3-0-3)(S)(Area I). Survey of literature of Far Eastern countries with major emphasis on China, India, and Japan. An introduction to the cultural and religious environment of each country is covered. PREREQ: E 102.

E 217 MYTHOLOGY (3-0-3)(F). Mythologies and mythological concepts having most influence on Western civilization. Emphasis on Greek, Norse, and Judeo-Christian mythologies and their relation to religion, literature, art, and modern psychology. PREREQ: E 102.

E 230 WESTERN WORLD LITERATURE (3-0-3)(F)(Area I)[ENGL 257]. Introduction to writings of the great minds in the Western tradition which have shaped our cultural and literary past and present. Reading includes selections from ancient Greece, Imperial Rome, and medieval and renaissance Europe. PREREQ: E 102.

E 235 WESTERN WORLD LITERATURE (3-0-3)(S)(Area I)[ENGL 258]. An introduction to the Western literary tradition as it has developed during the last four centuries. Attention will be paid to the way in which the older values and attitudes are challenged by the new spirit of skepticism and rebellion. PREREQ: E 102.

E 240 SURVEY OF BRITISH LITERATURE TO 1790 (3-0-3)(F)(Area I)[ENGL 267]. Examines the dominant cultural movements and literary forms in England from the middle ages through the 18th century. PREREQ: E 102.

E 260 SURVEY OF BRITISH LITERATURE: 1790 TO PRESENT (3-0-3)(S)(Area I)[ENGL 268]. The reflection of social and cultural changes in the poetry and prose of Romantic, Victorian, and modern England. PREREQ: E 102.

E 271 SURVEY OF AMERICAN LITERATURE: BEGINNINGS TO CIVIL WAR (3-0-3)(F/S)(Area I)[ENGL 277]. This course traces the artistic, philosophic, social, scientific, and intellectual influences on American writers and the emergence of an independent American outlook, as seen in the literary works of such authors as Bradstreet, Thoreau, Hawthorne, Melville, Emerson, Whitman, and Stowe. PREREQ: E 102.

E 272 SURVEY OF AMERICAN LITERATURE: CIVIL WAR TO PRESENT (3-0-3)(F/S)(Area I)[ENGL 278]. This course traces the continued development of American literary thought as revealed in the works of such authors as Dickinson, Twain, James, Wharton, Cather, Hemingway, Eliot, Faulkner, and Morrison. PREREQ: E 102.

E 275 INTRODUCTION TO LITERARY STUDIES (3-0-3)(F/S). Preparation for upper-division literature courses. Emphasizes literary critical thinking and writing. Introduces principal types of literature, central questions in literary studies, ways of conducting literary research, and writing literary papers. PREREQ: E 102 or PERM/INST.

Upper Division

E 301 TEACHING ENGLISH COMPOSITION (3-0-3)(S). Theories and techniques for teaching English composition in secondary schools, with emphasis on individualization of instruction, student-centered activity, creativity, and relationships between composition and other aspects of English. Intended for students with a secondary option and a major or minor in English, and for teachers. PREREQ: Upper-division standing or in-service teaching.

E 302 TECHNICAL RHETORIC (3-0-3)(F/S). An introduction to the rhetoric of technical communication for English majors and others who are considering a career in the field. Topics include the visual rhetoric of graphics and document design, the ethics of technical communication, and the principal rhetorical modes (narration, description, exposition, and argumentation) as they are employed in technical communication. PREREQ: 102 or PERM/INST.

E 303 THEORY AND PRACTICE OF TUTORING WRITING (3-0-3)(F/S). Preparation for tutoring for the BSU Writing Center. Emphasis on writing processes, interpersonal dynamics, questioning techniques, evaluation of writing-in-progress, and rhetorical theory as it pertains to tutoring. Includes four hours per week of observation and supervised tutoring in the Writing Center. PREREQ: E 102 and PERM/INST.

E 305 ADVANCED POETRY WRITING (3-0-3)(S). PREREQ: E 205 or PERM/INST based on evaluation of student's work. May be repeated for nine credit hours.

E 306 ADVANCED FICTION WRITING (3-0-3)(F). Exploration of narrative technique, dialogue form, and the short story. Recommended: E 206. May be repeated for nine credit hours.

E 309 INTRODUCTION TO BOOK ARTS (3-0-3)(F/S). The course introduces students to the study of basic history of books, including papermaking, typography, printing, binding, book decoration, and contemporary bookworks. Students produce a classroom edition of their own text and/or visual material.

E 336 NINETEENTH-CENTURY CONTINENTAL LITERATURE (3-0-3)(S)(Alternate years). Major European writers in the 19th century in translation. Reading maintains a chronological approach stressing the relationship of the literature to the socioeconomic and political conditions of the times. Works of Goethe, Stendahl, Flaubert, Nietzsche, Schopenhauer, Dostoevsky, and Tolstoy are included. PREREQ: E 275 or PERM/INST.

E 338 TWENTIETH-CENTURY CONTINENTAL LITERATURE (3-0-3)(S)(Alternate years). Twentieth-century philosophical trends and cultural themes are emphasized in the reading. Includes works by Mann, Mauriac, Kafka, Hesse, Grass, and Solzhenitzyn, which examine mythological, existential, religious, and political themes in relation to contemporary human values. PREREQ: E 275 or PERM/INST.

E 340 CHAUCER (3-0-3)(F)(Alternate years). Emphasis on The Canterbury Tales and Troilus and Criseyde. Also representative minor works. PREREQ: E 275 or PERM/INST.

E 341 MEDIEVAL NARRATIVE (3-0-3)(F/S)(Alternate years). Representative English and continental narrative literature, including such works as Beowulf, Sir Gawain and the Green Knight, Arthurian romances by Chretien de Troyes and Marie de France, The Song of Roland, and Dante's Divine Comedy. PREREQ: E 275 or PERM/INST.

E 342 MEDIEVAL DRAMA (3-0-3)(F/S)(Alternate years). An investigation of the development of theater in Europe from the early Middle Ages through the early Renaissance. Readings will provide a survey of representative works, but the focus will be on the English Corpus Christi plays. Production of one of these plays will be a part of the course. PREREQ: E 275 or PERM/INST.

E 343 MEDIEVAL ARTHURIAN LITERATURE (3-0-3)(F/S)(Alternate years). The origins of the Arthurian legend. Beginning with the earliest references to King Arthur, the material traces the development of the tales through Geoffrey of Monmouth, Chretien de Troyes, the Welsh Mabinogion, miscellaneous isolated tales, and Thomas Malory's Le Morte D'Arthur. PREREQ: E 275 or PERM/INST.

E 345 SHAKESPEARE: TRAGEDIES AND HISTORIES (3-0-3)(F/S). A selection of the tragic plays including Romeo and Juliet, Hamlet, and King Lear and the best plays concerning English history. PREREQ: E 275 or PERM/INST.

E 346 SHAKESPEARE: COMEDIES AND ROMANCES (3-0-3)(F/S). Representative plays such as The Taming of the Shrew, A Midsummer Night's Dream, As You Like It, Twelfth Night, and the Tempest. PREREQ: E 275 or PERM/INST.

E 348 BRITISH RENAISSANCE POETRY AND PROSE (3-0-3)(F/S)(Alternate years). A study of the poetry and prose of the English Renaissance, including works by More, Marlowe, Spenser, Shakespeare, and Bacon. PREREQ: E 275 or PERM/INST.

E 349 ELIZABETHAN AND JACOBEAN DRAMA (3-0-3)(F/S)(Alternate years). Tragic and comic plays by Shakespeare's contemporaries such as Kyd, Marlowe, Jonson, Tourneur, Chapman, Middleton, Marston, Webster, and Ford. PREREQ: E 275 or PERM/INST.

E 350 SEVENTEENTH CENTURY POETRY AND PROSE (3-0-3)(S)(Alternate years). The works of English authors such as Francis Bacon, Ben Jonson, John Donne, George Herbert Andrew Marvell, Robert Burton and Thomas Browne, who flourished in the first 60 years of the 17th century. The social, philosophical, and scientific background of this period. PREREQ: E 275 or PERM/INST.

E 351 MILTON (3-0-3)(S)(Alternate years). A study of John Milton's major poetry and prose, with special emphasis on Paradise Lost, Paradise Regained, and Samson Agonistes. PREREQ: E 275 or PERM/INST.

E 356 BRITISH DRAMA: THE RESTORATION TO THE DECADENT MOVEMENT (3-0-3)(F/S)(Alternate years). A study of Restoration tragedy, the comedy of manners, sentimental comedy, and comic opera. Playwrights read include Wycherley, Dryden, Etherege, Congreve, Gay, Sheridan, Goldsmith, Gilbert and Sullivan, and Wilde. PREREQ: E 275 or PERM/CHAIR.

E 358 RESTORATION AND EIGHTEENTH CENTURY POETRY AND PROSE (3-0-3)(F/S)(Alternate years). A study of literary currents in the British Enlightenment from satiric to sentimental, reasonable to fanciful. Emphasis: Dryden, Pope, Swift, and Johnson, plus works by Addison and Steele, Thomson, Boswell, Gray, Gibbon, Burke, and others. PREREQ: E 275 or PERM/INST.

E 359 BRITISH NOVEL: BEGINNINGS THROUGH AUSTEN (3-0-3)(F). An investigation of the novel tracing its roots and exploring the work of Defoe, Richardson, Fielding, Smollett, Sterne, Austen, and others. The emergence of the most popular genre of literature helps us to understand how fiction reflects our assumption about the world around us. PREREQ: E 275 or PERM/INST.

E 360 BRITISH ROMANTIC POETRY AND PROSE (3-0-3)(F). Readings in Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, and others. These Romantics provide freshly imagined patterns of emotional and intellectual response to nature and our place in it. PREREQ: E 275 or PERM/INST.

E 365 VICTORIAN POETRY (3-0-3)(S). Readings in Tennyson, Browning, Arnold, and others. Their poems are the sometimes sane, sometimes shocking results of trying to find and keep artistic and moral hope amidst vital but unhealthy times. PREREQ: E 275 or PERM/INST.

E 366 VICTORIAN PROSE (3-0-3)(S)(Alternate years). Great prose stylists, including Carlyle, Arnold, Newman, Ruskin, and Pater, bring insights to controversy over issues still with us. Their subjects range from industrialism to mysticism, their purposes from amusement to reformation. PREREQ: E 275 or PERM/INST.

E 369 BRITISH NOVEL: SCOTT THROUGH HARDY (3-0-3)(S). An investigation of the development of the English novel during the nineteenth century with particular attention to the impact of Victorian thought on the genre and to the emergence of the modern novel. Includes Scott, Dickens, Gaskell, Thackeray, the Brontes, Trollope, Eliot, and Hardy. PREREQ: E 275 or PERM/INST.

E 375 LITERATURE OF THE NEW REPUBLIC (3-0-3)(F/S). A study in the first generation of the American literary experience (from the 1700's to the 1830's), when the founders of the republic shaped American character and culture. Includes such writers as Charles Brockden Brown, James Fenimore Cooper, Hanna Foster, Washington Irving, and Catherine Maria Sedwick. PREREQ: E 275 or PERM/INST.

E 376 NINETEENTH-CENTURY AMERICAN NONFICTION (3-0-3)(F/S). Studies some of our nation's most central texts selected from the expression prompted by slavery, the Civil War, westward expansion, and rapid social and intellectual changes. Includes writers such as John Burroughs, George Catlin, Mary Boykin Chesnutt, Frederick Douglass, Charlotte Perkins Gilman, Ulysses S. Grant, and Harriet Jacobs. PREREQ: E 275 or PERM/INST.

E 377 AMERICAN RENAISSANCE (3-0-3)(F/S). A study in the second generation of the American literary experience when such leading writers as Hawthorne, Melville, Emerson, Thoreau, Poe, and Whitman, acting under the varied impulses of Puritanism, Romanticism, and idealism, created the first universal vision of human experience to appear in American literature. PREREQ: E 275 or PERM/INST.

E 378 AMERICAN REALISM (3-0-3)(F/S). American literature from the Civil War to World War I. Mark Twain, Stephen Crane, Henry James, W. D. Howells, Kate Chopin, and fellow Realists wrote about the average person in the light of common day. Their works show how American writers were increasingly influenced by science, business, and art. PREREQ: E 275 or PERM/INST.

E 381 ENGLISH TEACHING: WRITING, READING AND LANGUAGE (3-0-3)(F). Study of theories and methods of teaching secondary school English, including integration of instruction of composition, literature, and language. Students take concurrently an E 493 Internship as a teaching assistant in a secondary school English classroom. PREREQ: E 275. COREQ: E 493 Internship: Teaching Assistant.

E 384 LITERATURE OF THE AMERICAN WEST (3-0-3)(F/S). The literary merits of works by representative Western writers such as Wallace Stegner, Owen Wister, H.L. Davis, John Steinbeck, and Willa Cather. Also discussed are regional values and Western types such as the mountain man, the cowboy, and the pioneer. PREREQ: E 275 or PERM/INST.

E 386 TWENTIETH-CENTURY BRITISH FICTION (3-0-3)(F/S). This course studies the varied literary movements in British fiction against the background of British historical and cultural change in the 20th century. Representative writers will include such names as Joseph Conrad, Ford Madox Ford, E. M. Forster, Virginia Woolf, James Joyce, D. H. Lawrence, Joyce Cary, Doris Lessing, William Golding, Fay Weldon, Wole Soyinka, Peter Carey, Martin Amis, Jeanette Winterson, Anita Brookner, and Margaret Forster. PREREQ: E 275 or PERM/INST.

E 387 TWENTIETH-CENTURY AMERICAN FICTION (3-0-3)(F/S). A comprehensive investigation of the form and modes of modern American thought and literary directions through a study of representative fiction of the 20th century. Readings will be selected from such American writers as Willa Cather, F. Scott Fitzgerald, Richard Wright, William Faulkner, Ernest Hemingway, Flannery O'Connor, Saul Bellow, Ishmael Reed, Leslie Marmon Silko, and Paul Auster. PREREQ: E 275 or PERM/INST.

E 389 TWENTIETH-CENTURY DRAMA WRITTEN IN ENGLISH (3-0-3)(F/S). A study of plays, theory, and dramatic practice as they developed in the twentieth century, including such playwrights as G. B. Shaw, J. M. Synge, Sean O'Casey, Arthur Miller, Eugene O'Neill, Samuel Beckett, Lorraine Hansberry, Tom Stoppard, Peter Shaffer, Caryl Churchill, Athol Fugard, August Wilson, and Wole Soyinka. PREREQ: E 275 or PERM/INST.

E 390 FOLKLORE (3-0-3)(F/S). Study of what folklore is, its written and oral traditions, and its different genres. PREREQ: E 102.

E 391 NORTH AMERICAN INDIAN FOLKLORE AND LITERATURE (3-0-3)(F/S). An examination of traditional Native American world views and belief systems as reflected in oral narratives and written literature. Study topics include aspects of cosmology, religious life, seasonal round, and life cycle as presented in the oral redactions of specific tribal/culture areas and in the literary poetry and prose of major creative writers. PREREQ: E 275 or PERM/INST.

E 393 HISTORY OF LITERARY CRITICISM (3-0-3)(F). A survey of critical approaches to literature from Plato to the twentieth century. PREREQ: E 275 or PERM/INST.

E 401 ADVANCED NONFICTION WRITING (3-0-3)(F/S). Advanced practice in nonfiction genres, and study of how writers read and learn from other writers. Experimentation with subjects, voice, organization, and style. Students may take the course twice, for a total of 6 credits. PREREQ: E 201.

E 402 ADVANCED TECHNICAL COMMUNICATION (3-0-3)(F/S). An advanced study of technical communication for those students who are considering a career in the field. Assignments are related to each student's background and field of interest. Topics include in-depth work in technical style and the common kinds of documents produced in business and industry, including proposals, progress reports, completion reports, and manuals. PREREQ: E 302 or PERM/INST.

E 403 TECHNICAL EDITING (3-0-3)(F). Explores the fundamentals of editing, enabling students to apply a variety of editing skills to technical materials for specific audiences. Focuses on the role of the editor in organizational settings, basic editorial activities, methods for analyzing, critiquing, and revising manuscripts for different audiences, and techniques for successful writer/editor dialogues. Includes techniques for verbally and visually polishing documents for publication and, if needed, a review of mechanical correctness. PREREQ: E 402 or PERM/INST.

E 405 DOCUMENT PRODUCTION (3-0-3)(F/S). Study and application of the principles of producing effective technical documents. Topics include the relationship between page layout and readability, techniques for combining textual and nontextual information and the use of word processing and technical graphics software. The course will be taught as a workshop and students will produce basic technical documents, such as brochures, data sheets, flyers, reports, and manuals on personal computers. PREREQ: E 403 or PERM/INST.

E 410 TWENTIETH-CENTURY AMERICAN NONFICTION (3-0-3)(F/S). American nonfiction prose from 1900 to present, including autobiography, biography, history, journalism, social and cultural criticism, science and nature writing. Typical authors include W. E. B. Dubois, H. L. Mencken, James Agee, Norman Mailer, Joan Didion, John McPhee, Annie Dillard, Tom Wolfe, Truman Capote, Leslie Marmon Silko, Maxine Hong Kingston, Loren Eiseley, and Wallace Stegner. PREREQ: E 275 or PERM/INST.

E 412-412G WOMEN WRITERS (3-0-3)(F/S)(Alternate years). Literature by English speaking women, with special attention to cultural contexts, the themes and methods used by women writers, and how women writers have created their own tradition. The course may focus on writings of a particular period. PREREQ: E 275 or PERM/INST.

E 413 THE NEW LITERATURES IN ENGLISH (3-0-3)(F/S). An introduction to the important authors, themes, characteristics, and developments in the newly emerging literatures written in English outside the traditions of Britain and the United States. Focus on contemporary writers from Africa, Australia, Canada, India, New Zealand, Pakistan, and West Indies, with an introduction to the cultural and socio-political background of each country. PREREQ: E 275 or PERM/INST.

E 481 LITERATURE FOR USE IN JUNIOR AND SENIOR HIGH SCHOOL (3-0-3)(F). A literary content course designed for prospective or experienced teachers of secondary school English. Primary emphasis is on critical reading of literature ordinarily used with adolescents in secondary schools. Secondary emphasis is on methods of critical analysis appropriate to secondary students. All genres will be discussed. Both classical and popular authors will be included. PREREQ: Either E 275 and two literature courses, or PERM/INST.

E 485 BRITISH AND AMERICAN POETRY: 1900-1945 (3-0-3)(F/S). A study of the radical changes that W. B. Yeats, T. S. Eliot, Ezra Pound, William Carlos Williams, and others made in poetry's traditional aesthetic and thematic concerns, as seen in their work from the turn of the century through two world wars. PREREQ: E 275 or PERM/INST. Offered alternately with E 486.

E 486 BRITISH AND AMERICAN POETRY: 1945-PRESENT (3-0-3)(F/S). A study of significant poets beginning or reaching the culmination of their careers in post-World War II England and America. Concerns include the influences on their writing of earlier poets, including the Modernists and the nature of the categories, such as those designated "Movement," "Confessional," and "Feminist," into which critics, scholars, and their peers place these poets. PREREQ: E 275 or PERM/INST. Offered alternately with E 485.

E 488-488G METHODS AND THEORIES OF LITERARY CRITICISM AND RHETORIC (3-0-3)(S). Analysis of major literary and rhetorical theories, their methods, and their implications. PREREQ: 3 credits of upper-division literature or PERM/CHAIR.

E 498 SENIOR SEMINAR (3-0-3)(S). Required of all senior English majors. PREREQ: Senior standing or PERM/CHAIR.

HU HUMANITIES

HU 207, 208 INTRODUCTION TO HUMANITIES (3-0-3)(F/S)(Area I). The human intellectual and creative heritage as reflected in art, literature, philosophy, and architecture. PREREQ: E 102 or PERM/CHAIR.

LI LINGUISTICS

LI 305 INTRODUCTION TO LANGUAGE STUDIES (3-0-3)(F/S). A general survey of contemporary language study as it is carried on in the fields of linguistics, anthropology, and psychology, with emphasis on meaning, sounds, words, and sentence formation in English. PREREQ: E 102 or PERM/CHAIR.

LI 306 MODERN ENGLISH GRAMMAR (3-0-3)(F/S). An approach to modern English grammar based on linguistic principles. The course will cover word formation and sentence structure, including transformational, structural, and newly developing theories of grammar. PREREQ: LI 305.

LI 307 APPLIED ENGLISH LINGUISTICS (3-0-3)(F/S)(Alternate years). A survey of applied linguistics with emphasis on theories, concepts, and methods relevant to the teaching of English. Topics include word meaning, language variation, language and context, oral and written discourse, writing systems, literature analysis, dictionaries and grammars, bilingualism, and language planning and problems in teaching English as a first and second language. PREREQ: LI 305.

LI 309 HISTORY OF THE ENGLISH LANGUAGE (3-0-3)(F/S). A study of the periods in the development of English; Indo-European and Germanic backgrounds; development of writing; internal and social forces of change; dialects of English. Concentrated work with written documents in English language history. PREREQ: LI 305 or PERM/CHAIR.

LI 406 PSYCHOLINGUISTICS (3-0-3)(F/S). The study of language in relation to mind and cognition. Topics include the relationship between language, thought, and memory; language acquisition; language disorders; and the psychological processes involved in speaking, listening, reading, writing, and spelling. PREREQ: LI 305.

LI 407-407G APPLIED LINGUISTICS IN TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-3)(F/S)(Alternate years). Designed to help teachers in the bilingual classroom or teachers of students of limited proficiency in speaking English to understand how to deal with the process of learning English. It will focus on identifying, defining, and remedying the specific problems that confront learners of a second language. PREREQ: LI 305.

LI 411 (AN 411) LANGUAGE, CULTURE AND SOCIETY (3-0-3)(S). (Cross listed AN 411)**(Alternate years)**. The course provides an introduction to the nature of the relationships among language, culture, and society. Major topics explored are: language and thought; conversational theory; the ethnography of communication; language change; language variation; speech communities; pidgins and creoles; diglossia, code switching, and mixing; solidarity and politeness. Several languages are examined in specific social and cultural contexts. LI 305 or a foreign language recommended. This course may be taken for LI or AN credit, but not both.

Entrepreneurial — see Department of Management

Environmental Health — see Department of Health Studies

Environmental Studies Minor

Information: James Munger, Ph.D. Telephone 208 385-3560
Science/Nursing Building, Room 210

Consisting of 30 to 33 credits, the environmental studies minor is an interdisciplinary program that teaches the fundamentals of environmental studies. The minor allows students with traditional majors, such as business, liberal arts, and education, to develop a separate environmental emphasis. Students must achieve a grade of C or better in all courses counted toward the minor.

Environmental Studies Minor

Course Number and Title	Credits
BT 130 General Botany	4
C 109, 110 Essentials of Chemistry and Lab **OR** C 133, 134 College Chemistry and Lab	5
GG 101 Introduction to Geography GG 321 Conservation of Natural Resources	3 3
*GO 101 Physical Geology	4
PO 340 Environmental Politics	3
One of the following four groups: 1. Environmental Biology Group Z 230 General Zoology B 423 General Ecology 2. Environmental Geosciences Group GO 370 Environmental Geology 2 geosciences courses from list 'c.' below 3. Environmental Chemistry Group C 317, 319 Organic Chemistry and Lab C 211, 212 Analytical Chemistry I and Lab **OR C 431 Intro to Biochemistry 4. General Group: three courses from the following four lists, but no two courses from the same list. a. Biology: B 423 Ecology, B 415 Applied and Environmental Microbiology, Z 305 Entomology, Z 355 Vertebrate Natural History, Z 421 Mammalogy, Z 341 Ornithology b. Chemistry/Environmental Health: C 422 Environmental Chemistry, EH 442 Hazardous Waste Management, EH 310 Water Supply and Water Quality Management, EH 380 Air Quality Management c. Geosciences: GG 331 Climatology, GO 313 Geomorphology, GO 370 Environmental Geology, GO 201 Oceanography, GO 412 Hydrogeology, GP 300 Physics of the Earth d. Political Science/Economics/Psychology: PO 320 American Policy Process, PO 303 Public Administration, EC 333 Natural Resource Economics, P 451 Environmental Psychology	8-11
Total	30-33

*GO 101 is recommended. However, you may substitute GO 100 if you receive a grade of B or higher.
**Courses in this section applied toward the minor may not also be counted towards fulfilling a major requirement.

Finance — see Department of Marketing and Finance

Fitness Activity courses — see Department of Health, Physical Education and Recreation

Forestry — see Department of Biology

French — see Department of Modern Languages

General Business Management — see Department of Management

General Education courses — see Teacher Education

Department of Geosciences

Mathematics-Geosciences Building, Room 225 Telephone 208 385-1631
http://earth.idbsu.edu Fax: 208 385-4061
e-mail: info@trex.idbsu.edu

Chair and Professor: Paul R. Donaldson. *Professors:* Bentley, Hollenbaugh, Pelton, Snyder, Spinosa, Waag, White, Wood. *Assistant Professor:* Michaels. *Research Professors:* Barrash, Gillerman, Knoll, Lyle, Zollweg.

Degrees Offered

- B.S. in Geology
- B.S. in Geophysics
- B.S. in Earth Science Education, Secondary Education
- M.S. in Geology (See the *BSU Graduate Catalog.*)
- M.S. in Geophysics (See the *BSU Graduate Catalog.*)
- M.S. in Education, Earth Science Emphasis (See the *BSU Graduate Catalog.*)
- Minor in Environmental Studies

Department Statement

The curriculum leading to the B.S. degree in geology is designed for those students who plan a career in geology or who plan to attend graduate school. The curriculum leading to the B.S. degree in earth science education is designed to prepare students to teach earth science in secondary schools and to meet the teacher certification requirements of the State of Idaho. The curriculum leading to the B.S. degree in geophysics prepares students for a broad variety of careers in quantitative geoscience or for graduate school in many scientific and engineering disciplines.

A geophysics major receives a thorough preparation in geophysics, an introductory background in chemistry, computer science, geology, mathematics, and physics, and more focused study in one of nine elective areas: applied mathematics, chemistry, computer science, electrical engineering, environmental geoscience, geology, geotechnical engineering, hydrogeology, or physics.

In addition to the courses formally offered in all degree programs, a student may earn credit for independent study, internship, undergraduate or graduate thesis, and for participation in departmental research projects.

Nondegree course offerings in geography meet the 15 credit requirement under the 30-15-15 Social Science, Secondary Education Degree Program offered in the departments of anthropology, economics, history, political science, psychology, and sociology.

Degree Requirements

Geology
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
C 131, 132, 133, 134 College Chemistry and Lab	9
GO 101 Physical Geology	4
GO 103 Historical Geology	4
GO 221 Mineralogy	4
GO 280 Field Geology	3
GO 310 Sedimentation and Stratigraphy	4
GO 313 Geomorphology	3
GO 314 Structural Geology	4
GO 323 Petrology	3
GO 324 Petrography	1
GO 351 Invertebrate Paleontology	3
GO 482 Summer Field Camp	4
GO 498 or 499 Senior Seminar	1
Geology courses	9
GP 300 Physics of the Earth **OR** GP 301 Introduction to Applied Geophysics	3
M 204, 205* Calculus and Analytic Geometry Mathematics through M 324 is recommended for students planning graduate studies. *CS 124 and M 225 or an approved statistics course may be substituted for M 205.	9
Physics Option I: (Recommended for students planning graduate studies) PH 211, 212 Mechanics, Waves, and Heat and Lab PH 213, 214 Electricity, Magnetism, and Optics and Lab* *C 321-323 Physical Chemistry and Lab may be substituted for PH 213, 214. Physics Option II: PH 101, 102 General Physics	8-10
Upper-division electives to total 40 credits	0-12
Electives to total 128 credits	0-15
Total	128

Earth Science Education
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3

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Earth Science Education (continued)	
Area II — see page 41 for list of approved courses	
GG 101 Introduction to Geography	3
P 101 General Psychology	3
TE 201 Foundations of Education	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
BT 130 General Botany	4
Z 230 General Zoology	5
C 131, 132, 133, 134 College Chemistry and Labs	9
GG 213 Introduction to Meteorology	3
GO 101 Physical Geology	4
GO 103 Historical Geology	4
GO 201 Introduction to Oceanography	3
GO 221 Mineralogy	4
GO 313 Geomorphology	3
GO 323 Petrology	3
GO 324 Petrography	1
GO 498 or 499 Senior Seminar	1
Upper-division geology courses **OR** GG 331 Climatology **OR** GP 300 Physics of the Earth	6
M 111 Algebra and Trigonometry	5
PH 101, 102 General Physics	8
PH 105 Introduction to Descriptive Astronomy	4
TE 172 Intro Secondary Teaching: Classroom Observation	1
TE 225 Educational Psychology	3
TE 333 Educating the Exceptional Secondary-Age Student	1
TE 381 Secondary School Methods	3
TE 384 Secondary School Science Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
Secondary Student Teaching	10-16
Upper-division electives to total 40 credits	0-6
Electives to total 128 credits	1-7
Total	128
NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See "Teacher Education" for more information.	

Geophysics
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III requirements are automatically met by specific courses included in the major requirements below.	

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Geophysics (continued)	
C 131, 132, 133, 134 College Chemistry and Lab	9
CS 113 Introduction to Pascal **OR** CS 115 Introduction to C	2
CS 125 Introduction to Computer Science	5
CS 426 Linear Systems and Signal Processing **OR** EX 360 Signals and Systems	3-4
GO 101 Physical Geology	4
GO 221 Mineralogy	4
GO 280 Field Geology	3
GP 300 Physics of the Earth	3
GP 303 Basic Geophysical Theory	5
GP 305 Applied Geophysics	3
GP 308 Data Acquisition and Interpretation Laboratory	2
GP 498 Geophysics Senior Seminar	1
Upper-division geophysics electives	6
M 204, 205 Calculus and Analytic Geometry	9
M 324 Multivariable and Vector Calculus	4
M 333 Differential Equations with Matrix Theory	4
PH 211, 212 Mechanics, Waves, and Heat and Lab	5
PH 213, 214 Electricity, Magnetism, and Optics and Lab	5
Courses chosen from one of the following areas: 1. Applied mathematics: M 301, M 340 and either M 326, M 360, M 361, M 436, or M 464. 2. Chemistry: C 211, C 212, C 317, C 318, C 319. 3. Computer science: CS 127, CS 354, M 156. 4. Electrical engineering: EX 220, EX 221, EX 222, EX 223, EX 320, EX 321. 5. Environmental geoscience: any four of the following GG 321, GG 331, GO 370, GO 412, or GO 451. 6. Geology: GO 310, GO 314, GO 323, GO 324. 7. Geotechnical engineering: EN 250, EN 252, CX 360, CX 361, GO 403. 8. Hydrogeology: GP 410, GO 412, GO 413, XY 569. 9. Physics: PH 309, PH 310, and two courses chosen from PH 311, PH 312, PH 332, PH 341, PH 381, PH 382, or PH 432. Sequences must be taken in order.	10-12
Electives to total 128 credits	8-11
Total	128
NOTE: Electives include courses selected to meet an individual student's needs. Students must have a minimum of 40 upper-division (300/400 level) credit hours. See your advisor for assistance.	

Course Offerings

See page 53 for a definition of the course-numbering system.

GG GEOGRAPHY

Lower Division

GG 101 INTRODUCTION TO GEOGRAPHY (3-0-3)(F/S)(Area II)[GEOG 100]. A survey of Earth environments, basic concepts and techniques used in geography, and the utilization of natural resources.

GG 102 CULTURAL GEOGRAPHY (3-0-3)(F/S)(Area II)[GEOG 102]. A study of the distribution and character of cultural activities throughout the world with emphasis on human landscapes.

GG 201 THE USE AND INTERPRETATION OF MAPS (3-0-3)(F/S). An intensive use and interpretation of a wide spectrum of map types, their advantages and limitations for students of various fields, such as archaeology, history, geology, and teaching.

GG 210 SURVEY OF WORLD REGIONAL GEOGRAPHY (3-0-3)(F/S). A survey of human populations and their relationship to their physical environments. Countries, regions, cultures, ethnic geography, religion, language, and major economic units will be discussed. Students will learn to use maps, aerial photos, and reference materials.

GG 213 INTRODUCTION TO METEOROLOGY (3-0-3)(F). A study of weather phenomena in terms of origin, distribution, and classification. Instruments and research methods are also investigated. PREREQ: GG 101, GO 101 or PERM/INST.

GG 220 CARTOGRAPHY (1-6-3)(F/S). A study of the methods, concepts, techniques, and instrumentation of map construction. Involves compilation and graphic presentation

of data through the use of coordinate systems, map projections, and scale. Lettering tools, graphic design, dimensional problems, computer mapping, and aerial photographs are discussed.

GG 221 GEOGRAPHY OF IDAHO AND THE PACIFIC NORTHWEST (3-0-3)(F/S). Physical and cultural geography of the Pacific Northwest with emphasis on Idaho. Study includes the continuing physical, biological, social, political, and economic changes and the role of the region in relationship to the United States. Current problems and problem-solving in accordance with the known resource base.

Upper Division

GG 301 HISTORICAL GEOGRAPHY OF THE UNITED STATES (3-0-3)(F/S). The course explores the changing physical and cultural landscapes of the United States through time and space, and analysis of the various regions. Included is the study of the distribution and relationships between peoples, land, and resources. PREREQ: GG 102 PERM/INST.

GG 311 WORLD ECONOMIC GEOGRAPHY (3-0-3)(F/S). Economic geography is the study of the areal distribution and variation of resources and human activity related to producing, exchanging, and consuming commodities. Economic activities are studied in the context of where they occur, their regional characteristics, and their relationship to national or international phenomena. PREREQ: GG 101 or PERM/INST.

GG 321 CONSERVATION OF NATURAL RESOURCES (3-0-3)(F/S). Informative study of resources, their use and relative values. Discussions will include perception, attitudes, character of resources, demand factors, social implications, and population characteristics. Local and regional examples are emphasized. Local experts on conservation issues will serve as guest speakers. PREREQ: GG 101 or PERM/INST.

GG 331 CLIMATOLOGY (3-0-3)(F/S). Atmospheric processes, global heat and moisture balance, radiation budget, and world climate zones. Applied climatological concepts, evaporation, soil water conditions, regional and global climactic trends, climate change, and climate modification. PREREQ: GO 101 or GG 101.

GG 340 GEOGRAPHY OF THE SLAVIC STATES (3-0-3)(F/S). A study of physical and cultural phenomena that have shaped the urban and rural landscapes of the fifteen republics. PREREQ: GG 101 or GG 102, PERM/INST.

GG 350 REGIONAL GEOGRAPHY OF EUROPE (3-0-3)(F/S). Identification and study of physical and cultural regions of Europe. Climate, landforms, and soils along with resources, national groups, and political geography. PREREQ: GG 101 or 102, PERM/INST.

GO GEOLOGY

Lower Division

GO 100 FUNDAMENTALS OF GEOLOGY (3-2-4)(Area III)(Lab fee)(Field trip required)[GEOL 100]. An introduction to the principles of physical and historical geology. Topics include weathering, erosion, glaciation, volcanism, earthquakes, rocks, minerals, maps, and the origin of the earth and its physical and biological development. Open to all students except those with previous credit in geology, or earth science majors and those nonscience majors who plan an eight-hour sequence in geology.

GO 101 PHYSICAL GEOLOGY (3-2-4)(Area III)(Lab fee)(Field trip required)[GEOL 101]. A study of the origin and development of the earth, its materials, and its processes. Topics include weathering, erosion, volcanism, earthquakes, landscapes, and plate tectonics. Rocks, minerals, and topographic and geologic maps are studied in the laboratory.

GO 103 HISTORICAL GEOLOGY (3-3-4)(Area III)(Field trip required)[GEOL 102]. A study of the origin and progressive development of the earth and evolution of plants and animals. The geologic history of the earth is treated in considerable detail. Pre-historic life and fossil study as well as field trips to fossil beds are included in the laboratory work. PREREQ: GO 101.

GO 105 ROCKS AND MINERALS (2-3-3)(F/S). A systematic study of rocks and minerals, with emphasis on physical characteristics and methods of identification. Field trips and laboratory sessions are part of the course for those taking the class for credit. PREREQ: High school chemistry or PERM/INST.

GO 111 GEOLOGY OF IDAHO AND THE PACIFIC NORTHWEST (3-0-3)(Field trip required). A study of the geologic setting and history of Idaho and its immediate surroundings. Includes major topographic and scenic features, structural and stratigraphic features, mineral deposits, fossil and gem areas, and current problems in natural resource products. PREREQ: GO 103 or PERM/INST.

GO 201 INTRODUCTION TO OCEANOGRAPHY (3-0-3)(F/S). A general study of physiography, biological oceanography, and ocean geology, including the physiography, circulation patterns, waves, tides, and the sedimentation and biologic processes that occur in the various ocean environments.
PREREQ: GO 103.

GO 221 MINERALOGY (2-4-4)(F). A study of minerals including crystal forms, atomic structure, chemical properties, and environments of origin. The laboratory meets twice each week. Lab exercises emphasize identification of minerals by recognizing their physical properties in hand specimen and utilizing their optical properties in oil mounts and thin sections. Several exercises involve use of the x-ray diffractometer. PREREQ: GO 101. COREQ: C 131.

GO 280 FIELD GEOLOGY (1-6-3)(F)(Lab Fee)(Field trip required). Techniques of field mapping to solve geologic problems. Field exercises will use topographic maps, stereo-pair air photos, Brunton compass, transit and plane table alidade for mapping. A detailed geologic map and written geologic report will be made, interpreting one area of moderate complexity and regional significance. Two weekend field trips required. Required field work on Friday afternoons. PREREQ: GO 101, E 102. COREQ: M 111.

Upper Division

GO 305 SOIL MECHANICS LAB (0-3-1)(S)(Field trips required). Laboratory and field exercises on standard testing methods of engineering properties of soils: Atterberg limits, sieve and hydrometer analysis, engineering classification of soil and rock, compaction tests, field test for density, percolation rate, and soil strength. PREREQ: M 111 or equivalent.

GO 310 SEDIMENTATION AND STRATIGRAPHY (3-1-4)(S). The study of the transportation and deposition of sediments and their depositional environments. Emphasis is placed on the identification and correlation of sedimentary facies and on basin analysis. PREREQ: GO 323.

GO 313 GEOMORPHOLOGY (2-3-3)(F)(Field trips required). A study of the features of the earth's surface such as mountains, valleys, beaches, and rivers, and the process by which they are formed and changed. Laboratory work consists of map studies and field investigations. PREREQ: GO 103, E 102.

GO 314 STRUCTURAL GEOLOGY (3-3-4)(S)(Field trips required). Fundamentals of descriptive, kinematic, and dynamic analysis of structures within the Earth's crust, and a theoretical treatment of stress and strain. Laboratory problems in orthographic and stereographic methods and solution of structural problems using geologic maps and cross-sections. PREREQ: M 111, GO 101, 221, 280.

GO 323 PETROLOGY (2-3-3)(S). A study of igneous, sedimentary, and metamorphic rocks with emphasis on methods of their classification, physical, and chemical constraints on their origin, and their tectonic associations. PREREQ: GO 221. COREQ: GO 324.

GO 324 PETROGRAPHY (0-3-1)(S). A systematic study of igneous, sedimentary, and metamorphic rocks in hand specimen and thin section. The polarizing microscope is used extensively. The origins and histories of representative specimens are interpreted through examination of their mineral assemblages, textures, fabrics, and alteration. PREREQ: GO 221. COREQ: GO 323.

GO 351 INVERTEBRATE PALEONTOLOGY (2-3-3)(F)(Field trips required). The study of the invertebrate phyla represented in the fossil record. Special emphasis is placed on hardpart morphology, ontogeny, phylogeny, and taxonomy of geologically important groups. Laboratory work based on standard collections. Special project. PREREQ: GO 103

GO 370 ENVIRONMENTAL GEOLOGY (3-0-3)(S)(Alternate years). A study of the ways that geological materials and processes constrain human interaction with the natural environment. This includes the availability and use of geological resources, dealing with waste disposal and pollution, and minimizing the impact of geological hazards. PREREQ: An introductory course in geography or geology.

GO 403-403G ENGINEERING GEOLOGY (2-3-3)(S)(Alternate years.)(Field trip required). Introduction to soil and rock mechanics, slope stability analysis, surface and subsurface exploration of sites. Geological and geophysical considerations for construction projects. Current applications of geology to engineering projects. PREREQ: GO 280, PH 102 or PH 211, GO 323 or PERM/INST.

GO 410 OPTICAL MINERALOGY (1-3-2)(F)(Alternate years). A study of the behavior of light in crystals and the use of the polarizing microscope in the examination and identification of minerals in immersion media and thin sections. PREREQ: GO 324.

GO 412-412G HYDROGEOLOGY (3-0-3)(F). The study of subsurface water and its relationship to surface water, the hydrologic cycle, and the physical properties of aquifer systems. Flow nets and flow through porous and fractured media. Methods of determination of aquifer characteristics and performance and groundwater modeling. PREREQ: GO 101, M 204.

GO 413-413G APPLIED HYDROGEOLOGIC CONCEPTS (3-0-3)(S). Application of modern theoretical concepts to the analysis of factors that control the movement of groundwater. The theory of groundwater flow is presented in greater detail than is possible in an introductory course. PREREQ: GO 412, M 204.

GO 414 ADVANCED STRUCTURAL GEOLOGY (2-3-3)(F)(Alternate years)(Field trip required). A study of the geometric properties of deformed rocks, their measurement, and analysis. Course will emphasize structural analysis of folded and faulted terrains and metamorphic tectonics, mapping procedures, map interpretation, and data analysis. Study will include review and comparison of tectonic styles of deformation of different geologic provinces throughout North America. PREREQ: GO 314.

GO 421 ORE DEPOSITS (2-3-3)(F)(Field trips required). Genesis, structure, associations, and classification of mineral deposits. Discussion of modern theories of ore deposition, origin and migration of ore-bearing fluids and the processes of alteration, and

secondary enrichment, controls of ore occurrence, and the economics of exploration, development, and use of ores. Laboratory work consists of detailed studies of ore and alteration suites. Transmitted and reflected-light microscopy will be used to supplement hand-specimen study. PREREQ: GO 323 or PERM/INST.

GO 422 EXPLORATION AND MINING GEOLOGY (3-0-3)(S)(Field trips required). The course emphasizes geologic, engineering, and economic factors as they relate to exploring for and developing mineral deposits. The philosophy and methodology of systematically gathering, evaluating, and presenting data pertinent to exploration and development discussions are also studied. PREREQ: GO 323 or PERM/INST.

GO 431-431G PETROLEUM GEOLOGY (2-3-3)(F)(Field trips required)(Alternate years). A study of the nature and origin of petroleum, the geologic conditions that determine its migration, accumulation and distribution, and methods and techniques for prospecting and developing petroleum fields. PREREQ: GO 310, 314.

GO 450-450G GEOLOGY OF NATIONAL PARKS (3-0-3)(S)(Odd years). A systematic study of geologic materials, structures, processes, and landforms in the national parks. The course is structured by geological regions and emphasizes geological knowledge as a key to greater appreciation and understanding of these scenic areas. PREREQ: GO 103.

GO 451-451G PRINCIPLES OF SOIL SCIENCE (3-0-3)(F/S)(Alternate years). Major aspects of soil science, including the physical, chemical, and biological characteristics of soils, will be presented in the classroom lectures. Demonstration laboratory exercises and field trips will be required. PREREQ: Background in geology and chemistry.

GO 460-460G VOLCANOLOGY (2-0-2)(F)(Field trip required)(Alternate years). A study of volcanic processes and the deposits of volcanic eruptions. An in-depth review of the generation, rise and eruption of magmas, and of the types of vent structures produced. Field and petrographic characteristics of various types of volcanic deposits, as well as their volcano-tectonic relationships will be emphasized. An independent project pertaining to volcanoes or volcanic rocks will be required of all students taking the course for graduate credit. PREREQ: GO 323.

GO 471-471G REGIONAL FIELD STUDY (1, 2, or 3 CR)(F/S/SU). Field trips and field exercises to study geology of selected localities in North America. Review of pertinent literature and maps, recording of geologic observations, and the preparation of a comprehensive report on the geology of the areas visited. PREREQ: GO 103 or PERM/INST.

GO 482 GEOLOGY SUMMER FIELD CAMP (0-0-4)(SU). The study of geology in its natural environment—the field. Emphasis is upon geologic mapping, the collection, plotting and analysis of data to solve geologic field problems, and mapping on aerial photograph and topographic base. Student should expect to be in the field 8-10 hours per day, 6 days per week for 4 weeks. Students working toward a professional degree in geology (Bachelor of Science) must take COREQ: GO 483.

GO 483 GEOLOGY SUMMER FIELD CAMP REPORT (0-0-2)(SU). A comprehensive geologic report, map, and cross-section based upon mapping experiences at summer field camp. Map, report, and cross-section must be of professional quality. COREQ: GO 482.

GO 493 INTERNSHIP (4-6 credits).

GO 495 SENIOR THESIS (4-6 credits). Field study involving an original investigation in geology or geophysics, carried out independently, but supervised by one or more faculty members. Problem must be well-stated and method of study designed to give a conclusive result. Project may be substituted for GO 480 upon approval of a written proposal by a committee of three department faculty members. PREREQ: Senior standing.

GO 498, 499 GEOLOGY SENIOR SEMINAR (1-0-1). Research project based on field and/or literature studies. Fundamentals of geologic report preparation and oral presentations. PREREQ: geology or earth science education major.

GP GEOPHYSICS

Upper Division

GP 300 PHYSICS OF THE EARTH (3-0-3)(S). Introduction to the earth's gravity, magnetism, electricity, seismicity, heat, and radioactivity, with a discussion of the significance of these properties to geological processes. PREREQ: GO 101, PH 102 or PH 213.

GP 301 INTRODUCTION TO APPLIED GEOPHYSICS (3-0-3)(F/S). Introductory survey of geophysical methods for geologists and engineers, including elementary theory, field practice, data reduction, interpretation techniques, and economic considerations. Seismic, gravimetric, magnetic, and electrical/electromagnetic techniques. Applications to exploration geology (mining and petroleum), engineering geology, and hydrogeology. GP 301 is not intended for geophysics majors. PREREQ: GO 101, PH 102 or PH 213.

GP 303-303G BASIC GEOPHYSICAL THEORY (3-4-5)(F/S). General geophysical theory to provide background for more specialized courses in applied geophysics and quantitative geoscience. Emphasis on geophysical aspects of potential theory, continuum mechanics, mechanical and electromagnetic wave propagation, fluid flow, error analysis, and spectral analysis. PREREQ: M 324, M 333, PH 213, or PERM/INST.

GP 305-305G APPLIED GEOPHYSICS (2-2-3)(F/S). Geophysical methods for investigation of the subsurface, including instrumentation, data acquisition and reduction, and interpretation. Seismic, gravimetric, magnetic, and electrical/electromagnetic techniques. Applications to exploration geology (mining and petroleum), engineering geology, hydrogeology, and global geology. Students who desire more comprehensive study of a particular method are advised to enroll for GP 310, GP 320, or GP 330 as appropriate. PREREQ: GP 303 or PERM/INST.

GP 308-308G DATA ACQUISITION AND INTERPRETATION LABORATORY (0-4-2)(F/S). Field and laboratory experiments using the methods of applied geophysics including definition of objectives, preliminary survey design, choice of instrumentation and field parameters, data acquisition and quality control, and computer-assisted interpretation. PREREQ or COREQ: GP 305 or PERM/INST.

GP 310 GRAVIMETRIC AND MAGNETIC METHODS (2-2-3)(F/S). Comprehensive discussion of modern gravimetric and magnetic methods of subsurface investigation. Applications to exploration geology (mining and petroleum), engineering geology, hydrogeology, and crustal geology. PREREQ: GO 101, GP 303 or PERM/INST.

GP 320 ELECTRICAL AND ELECTROMAGNETIC METHODS (2-2-3)(F/S). Comprehensive discussion of modern electrical and electromagnetic methods of subsurface investigation, including ground penetrating radar. Applications to exploration geology (mining and petroleum), engineering geology, hydrogeology, and crustal geology. PREREQ: GO 101, GP 303 or PERM/INST.

GP 330 SEISMIC METHODS (2-2-3)(F/S). Comprehensive discussion of modern seismic methods of subsurface investigation. Applications to exploration geology (mining and petroleum), engineering geology, hydrogeology, and crustal geology. PREREQ: GO 101, GP 303 or PERM/INST.

GP 340-340G GEOPHYSICS FIELD CAMP (4 weeks-6 credits)(SU). Field experience in significant geophysical mapping projects. Survey design and hands-on operation of seismic, magnetic, gravimetric, and electrical/electromagnetic field and borehole geophysical instrumentation. Reduction and interpretation of acquired data. Preparation of appropriate reports. PREREQ: GP 301 or GP 305 or PERM/INST.

GP 410-410G EXPLORATION WELL LOGGING (2-3-3)(F/S). Fundamentals of geophysical and geological well logging applied to petroleum, mineral and groundwater exploration, and engineering site evaluation. Conventional interpretation of logs in sedimentary sections; special consideration for logs in igneous, metamorphic, and fresh-water sections. Lithologic description, natural gamma-ray, temperature, density, resistivity, and sonic logging. Integration of well logging, seismic reflection data, and surface geologic maps. Field and laboratory exercises. PREREQ: GP 301 or GP 305 or PERM/INST.

GP 420 GEOPHYSICAL APPLICATIONS OF DIGITAL SIGNAL PROCESSING (2-2-3)(F/S). Review of digital linear system theory. Digital representation of geophysical data. Geophysical applications of convolution, fast-Fourier transform (FFT), correlations, least squares filters, deconvolution, multi-channel, and two-dimensional operations. Emphasis is on processing of seismic reflection data, potential field maps, and earthquake seismograms. Computer laboratory exercises. PREREQ: GP 301 or GP 305, CS 426 or XE 360, or PERM/INST.

GP 430 MATHEMATICAL METHODS IN GEOPHYSICS (2-2-3)(F/S). Examination of important mathematical methods in geophysics. Topics depend on the interests of students and instructor. Emphasis is on problem-solving and the development of skills in applied mathematics. PREREQ: M 333 or PERM/INST.

GP 498, 499 GEOPHYSICS SENIOR SEMINAR (1-0-1). Research project based on field and/or literature studies. Fundamentals of report preparation and oral presentations. PREREQ: geophysics major.

GS GENERAL SCIENCE

GS 305 TEACHING SCIENCE IN THE SECONDARY SCHOOL (3-0-3)(S)(Alternate years). A course designed to introduce the prospective secondary school science teacher to an understanding of the nature of science, both as subject matter and as processes of scientific inquiry. Special emphasis is placed on problems of communicating scientific ideas, effective modes of instruction and evaluation, and curricular materials for secondary school science teaching.

German — see Department of Modern Languages

Gerontology Minor — see Aging, Interdisciplinary Studies Program

Graphic Design — see Department of Art

Greek — see Department of History

Health Information Management and Health Information Technology — see Department of Health Studies

Department of Health, Physical Education, and Recreation

Gymnasium, Room 209 Telephone 208 385-1570
http://www.idbsu.edu:80/hper Fax 208 385-1894
e-mail: cborton@bsu.idbsu.edu

Chair and Professor: Ross E. Vaughn. *Professors:* Button, Hoeger, Kozar, Petlickoff, Pfeiffer, Potter. *Associate Professors:* Thorngren. *Assistant Professors:* Gibson, Harris, McChesney, Spear, Wallace. *Special Lecturers:* Craner, Koto, Moore, Pascoe, Sandmire. *Educational Consultant:* Wade.

Degrees Offered

- B.S. in Athletic Training
- B.S. in Physical Education, Secondary Education
- B.S. in Physical Education, Nonteaching Options
  Biomechanics, Exercise Science, or Health Promotion
- M.S. in Exercise and Sport Studies (See the *BSU Graduate Catalog.*)

Department Statement

The department of health, physical education, and recreation has as its major focus the comprehension, development, and promotion of a healthy lifestyle. Our purpose through teaching, research, and service activities is to help others enjoy, improve, and enrich their quality of life through the three domains of learning:

- **psycho/motor**—developing motor skills and engaging in vigorous fitness activities
- **cognitive**— understanding and experiencing skillful movement through physical activity, games, and sports
- **affective**— cultivating positive attitudes, beliefs, and values through participating in leisure ventures, displaying appropriate conduct in group activities, and achieving self-fulfillment and wellness

Students completing a course of study within the department will have acquired and demonstrated knowledge and skills in movement, fitness, and program planning. These competencies, as well as the ability to make informed professional decisions, will be developed through an in-depth series of activity, theory, and practicum experiences. The result will enable graduates to be models of the profession and to interact effectively with people as they espouse the philosophy of a healthy lifestyle.

The department has developed five undergraduate options with different areas of specialty. The teaching option is for students seeking to certify as teachers at the 6-12 or K-12 grade levels. This option's areas of emphasis are coaching, athletic training, and health. The biomechanics option is for students seeking additional understanding of the mechanical bases of human movement for coaching, research, or preparation for graduate school. The exercise science option is for students desiring a strong background in biological sciences and exercise physiology as preparation for graduate school. The health promotion option is designed to prepare students for careers as fitness consultants in the private sector and to prepare them to successfully pass the American College of Sports Medicine Health/Fitness Instructor Certification Examination. The athletic training option is for students preparing for the National Athletic Trainers Association Certification Exam and for qualification as an athletic trainer in a college, professional sport, or sports medicine clinic. Also, many pre-physical therapy students pursue this option as an undergraduate degree.

Admission to Upper-Division Standing

Students musts be formally admitted to the program before enrolling in upper-division physical education classes. Applications must be submitted **NO LATER THAN** October 1 or March 1, depending on when your total credit hours, including current course load, exceeds 57 credits. Forms can be picked up from academic advisors and should be returned to G-209, along with a copy of your transcript.

Application Criteria

1. The student's total credit hours, including current course load, must exceed 57 credit hours.
2. The student must achieve a grade of C or better for each of the following lower-division courses (Program-specific requirements are noted).

E 101, 102	English Composition (core)
P 101	General Psychology (Area II core)
CM 111	Fundamentals of Speech Communication (Area II core)
PS 100	Foundations of Physical Science (Area III core)
	or
PH 101	General Physics (Area III core)
C	Chemistry sequence (athletic training, exercise science only) (Area III core)
Z 111, 112	Anatomy and Physiology (Area III core)
TE 201	Found of Education (teaching option only) (Area II core)
PE 100	Health Education
PE 101	Foundations of Physical Education
PE 114	Fitness Foundations
PE 113, 150, 151, 153, 155, 156, 159, 203, 212	Sport and Fitness Activities. Teaching option (5 credits); nonteaching options, except athletic training (3 credits)
PE 121	Standard First Aid and CPR or equivalent
PE 230, 231	Applied Anatomy
PE 284	Microcomputers in Physical Education or equivalent

3. Students apply for upper-division standing must have a cumulative GPA of 2.50 or better.
   Students not qualifying for admittance to upper-division standing can reapply once their GPA is raised to at least a 2.50 and they have a C or better grade for each of the courses listed above.
4. Each faculty member will be given an opportunity to submit in writing to the chair recommendations as well as reservations regarding each student's:
   A. involvement in professional activities (for example, Physical Education Majors and Minors Club (PEMM), departmental projects, attendance at professional activities)
   B. performance level in fitness, academic, and motor skills
   C. commitment to becoming a model physical educator
5. Those enrolling in upper-division physical education courses without upper-division standing will be administratively withdrawn.
6. Once admitted to upper-division standing, students must maintain a cumulative 2.5 GPA before being permitted to enroll for student teaching, enroll in a PE 493 internship, or graduate.

Physical Education Core Requirements required of all teaching and nonteaching graduates include: PE 100 Health Education, PE 101 Foundations of Physical Education, PE 114 Fitness Foundations, PE 230, 231 Applied Anatomy and Lab, PE 306, 308 Human Growth and Motor Learning and Lab, PE 309 Evaluation in Physical Education, PE 310, 312 Exercise Physiology and Lab, PE 351, 352 Kinesiology and Lab, PE 401 Psycho/Social Aspects of Activity, PE 451 Adapted Physical Education.

NOTE: Students must demonstrate:

1. Computer literacy by completing PE 284, a comparable computer class, or by passing a proficiency exam offered by the department.
2. Competency in first aid and CPR. This requirement can be met by completing PE 121 or through the American Red Cross.
3. Competency in swimming. Testing will take place in PE 114 Fitness Foundations. If students fail to pass the test, they will be required to take a fitness activity swimming class.

Degree Requirements

6-12 Physical Education, Secondary Education Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
P 101 General Psychology	3
TE 201 Foundations of Education	3
Area II core course in sociology	3
Area III	
Z 111, 112 Human Anatomy and Physiology	8
PS 100 Foundations of Physical Science **OR** PH 101 General Physics	4
P 212 Adolescent Psychology	3
PE 100 Health Education	3
PE 101 Foundations of Physical Education	3
PE 113 Rhythmic Skills/Dance	1
PE 114 Fitness Foundations	1
PE 121 Standard First Aid and CPR	1
PE 150 Badminton/Racquetball	1
PE 151 Basketball/Volleyball	1
PE 153 Flag Football/Aerobic Cross-training	1
PE 155 Golf/Bowling	1
PE 156 Softball/Tennis	1
PE 159 Soccer/Tumbling	1
PE 203 Recreational Activities	1
PE 212 Track and Field	1
PE 230, 231 Applied Anatomy and Lab	3
PE 271 Intro to Teach Physical Education: Classroom Observation	1
PE 284 Microcomputers in PE or equivalent	3
PE 300 Curriculum Proficiency	2
PE 304 Instructional Styles	3
PE 306, 308 Human Growth and Motor Learning and Lab	3
PE 309 Evaluation in Physical Education	3
PE 310, 312 Exercise Physiology and Lab	3
PE 351, 352 Kinesiology and Lab	3
PE 401 Psycho/Social Aspects of Activity	3
PE 451 Adapted Physical Education	3
PE 457 Organization and Administration of Physical Education	2
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 Educating Exceptional Secondary-Age Students	1
TE 381 Secondary School Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
Student Teaching	10-16
Electives to total 128 credits (PE 107 Introduction to Coaching is recommended)	12
Total	128-134

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See "Teacher Education" for more information.

Physical Education, Nonteaching Option Biomechanics Emphasis Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
P 101 General Psychology	3
Area II core course in sociology	3
Area II core course in any field	3
Area III	
Z 111, 112 Human Anatomy and Physiology	8
M 204 Calculus and Analytic Geometry	5
EN 124 Digital Computer Programming	2
EN 205 Mechanics/Statics	3
EN 206 Mechanics/Dynamics	3
M 205 Calculus and Analytic Geometry	4
M 324 Multivariable and Vector Calculus	4
M/PH 225 Intermediate Applied Programming	2
PE 100 Health Education	3
PE 101 Foundations of Physical Education	3
PE 113 Rhythmic Skills/Dance	1
PE 114 Fitness Foundations	1
PE 121 Standard First Aid and CPR	1
PE 212 Track and Field	1
PE 230, 231 Applied Anatomy and Lab	3
PE 284 Microcomputers in PE or equivalent	3
PE 306, 308 Human Growth and Motor Learning and Lab	3
PE 309 Evaluation in Physical Education	3
PE 310, 312 Exercise Physiology and Lab	3
PE 313 Conditioning Procedures	2
PE 351, 352 Kinesiology and Lab	3
PE 401 Psycho/Social Aspects of Activity	3
PE 451 Adapted Physical Education	3
PE 493 Internship	6
Sport and fitness activity chosen from PE 150, 151, 153, 155, 156, 159 or 203	1
PH 211, 212 Mechanics, Waves, and Heat and Lab	5
Upper-division electives to total 40 credits	10
*Electives to total 128 credits	9
Total	128

*Recommended electives: EN 301, EN 306; M 333, M 361; P 295, PH 207, PH 341.

Physical Education, Nonteaching Option Exercise Science Emphasis Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3

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Physical Education, Nonteaching Option, Exercise Science Emphasis (continued)	
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
P 101 General Psychology	3
Area II core course in sociology	3
Area II core course in any field	3
Area III	
Z 111, 112 Human Anatomy and Physiology	8
PS 100 Foundations of Physical Science **OR** PH 101 General Physics	4
B 301 Cell Biology	3
C 131, 132, 133, 134 College Chemistry and Labs	9
C 317, 319 Organic Chemistry and Lab	5
H 207 Nutrition	3
PE 100 Health Education	3
PE 101 Foundations of Physical Education	3
PE 113 Rhythmic Skills/Dance	1
PE 114 Fitness Foundations	1
PE 121 Standard First Aid and CPR	1
PE 230, 231 Applied Anatomy and Lab	3
PE 284 Microcomputers in Physical Education or equivalent	3
PE 293 Internship	3
PE 306, 308 Human Growth and Motor Learning and Lab	3
PE 309 Evaluation in Physical Education	3
PE 310, 312 Exercise Physiology and Lab	3
PE 313 Conditioning Procedures	2
PE 351, 352 Kinesiology and Lab	3
PE 401 Psycho/Social Aspects of Activity	3
PE 417 Health Promotion	3
PE 451 Adapted Physical Education	3
PE 493 Internship	3
Sport and fitness activity chosen from PE 150, 151, 153, 155, 156, 159, 203 or 212	2
Z 401 Human Physiology	4
Upper-division electives to total 40 credits	2
*Electives to total 128 credits	14
Total	128

*Recommended electives: B 205, C 318, C 320, C 431, H 220, H 300, P 295, PH 207, RT 225, RT 226, TE 225, Z 230, Z 409.

Physical Education, Nonteaching Option
Health Promotion Emphasis
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
P 101 General Psychology	3
Area II core course in sociology	3
Area II core course in any field	3
Area III	
Z 111, 112 Human Anatomy and Physiology	8
PS 100 Foundations of Physical Science **OR** PH 101 General Physics	4

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Physical Education, Nonteaching Option, Health Promotion Emphasis (continued)	
C 107, 108, 109, 110 Essentials of Chemistry recommended	9
H 109 Drugs: Use and Abuse	3
H 207 Nutrition	3
MG 301 Management and Organizational Theory	3
MG 401 Organizational Behavior	3
MK 301 Principles of Marketing	3
PE 100 Health Education	3
PE 101 Foundations of Physical Education	3
PE 113 Rhythmic Skills/Dance	1
PE 114 Fitness Foundations	1
PE 121 Standard First Aid and CPR or equivalent	1
PE 230, 231 Applied Anatomy and Lab	3
PE 284 Microcomputers in PE or equivalent	3
PE 306, 308 Human Growth and Motor Learning and Lab	3
PE 309 Evaluation in Physical Education	3
PE 310, 312 Exercise Physiology and Lab	3
PE 313 Conditioning Procedures	2
PE 351, 352 Kinesiology and Lab	3
PE 401 Psycho/Social Aspects of Activity	3
PE 415 Health Programs: Methods and Administration	3
PE 417 Health Promotion	3
PE 451 Adapted Physical Education	3
PE 493 Internship	1 + 3
Electives in sport and fitness activities	2
Additional sport and fitness activity chosen from PE 150, 151. 153. 155, 156, 159, 203 or 212.	2
Upper-division electives to total 40 credits	1
*Electives to total 128 credits	12
Total	128

*Recommended electives: 10 credits chosen from: B 300, C 107, C 108, C 109, C 110, CM 221, CM 251, CM 478, FA 167, FI 303, H 410, H 414, H 480, H 497, MG 305, MG 340, MG 406, MK 306, P 211, P 212, P 251, P 297, P 305, P 313, P 435; PE 236, PE 405, PE 457, SO 325.

BSU Athletic Training Program

The Boise State University Athletic Training Program (BSU-AT Program) is currently the only NATA approved undergraduate major in the northwest. The BSU-AT Program operates within the department of health, physical education and recreation.

Please note that this program is an NATA undergraduate program; therefore, it is not possible to earn a master's degree in athletic training at Boise State University.

Undergraduate preparation in athletic training includes study in both academic and clinical settings. Academic preparation includes an extensive group of classes, with all of the following:

- Medical Terminology
- Introduction to Athletic Injuries
- Advanced Athletic Training
- Injury Evaluation
- Training Room Modalities
- Theory and Application of Therapeutic Exercise
- Internship in Athletic Training

The clinical program includes working in the athletic treatment centers on campus, being directly associated with an intercollegiate team, and assisting with the intramural program, and with various sports events held both on and off campus. In addition, BSU is fortunate to be the only institution in the western United States with a private sports medicine clinic on campus: the Idaho Sports Medicine Institute. Internships are also available at local high schools, hospitals, and physical therapy clinics in the Boise area.

Student athletic trainers are required to complete a minimum of 800 clinical hours in addition to the academic requirements. After students have completed

all of the requirements, they should take the NATA National Certification Examination. This exam consists of written simulation, objectives, and an oral practical component. Upon successful completion, students are granted certified status through the NATA.

Student athletic trainers work under the direct supervision of NATA-approved clinical instructors both on and off campus, providing a vital medical support team for the various activity programs. The BSU-AT program is committed to providing the highest quality program of study for future professionals in the athletic training field.

All applicants should be aware that athletic training is a limited enrollment program. That is, only a limited number of students can be admitted into the upper-division courses during an academic year. Candidates are selected on the basis of their previous academic performance, admission to upper-division standing in the HPER department, related experiences, overall attitude, and demonstrated interest. Students can apply for upper-division standing only after they have completed two years of undergraduate course work.

Applications must be submitted no later than April 15th, in order to be considered for the following academic year.

For information phone Dr. John McChesney, A.T.C., Curriculum Director at 208 385-1481.

Athletic Training
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
P 101 General Psychology	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
Z 111, 112 Human Anatomy and Physiology	8
PH 101 General Physics	4
C 107, 108, 109, 110 Essentials of Chemistry and Labs	9
H 101 Medical Terminology	3
H 207 Nutrition	3
PE 100 Health Education	3
PE 101 Foundations of Physical Education	3
PE 114 Fitness Foundations	1
PE 120 Training Room Procedures	1
PE 121 Standard First Aid and CPR	1
PE 142 Taping and Wrapping Techniques in Athletic Training	1
PE 230, 231 Applied Anatomy and Lab	3
PE 236 Introduction to Athletic Injuries	3
PE 284 Microcomputers in PE	3
PE 306, 308 Human Growth and Motor Learning and Lab	3
PE 309 Evaluation in Physical Education	3
PE 310, 312 Exercise Physiology and Lab	3
PE 313 Conditioning Procedures	2
PE 351, 352 Kinesiology and Lab	3
PE 401 Psycho/Social Aspects of Activity	3
PE 402 Advanced Athletic Training	3
PE 403 Training Room Modalities	2
PE 406 Theory and Application of Therapeutic Exercise	3
PE 411 Athletic Training Clinical Instruction I	2
PE 412 Athletic Training Clinical Instruction II	1

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Athletic Training (continued)	
PE 413 Athletic Training Clinical Instruction III	2
PE 414 Athletic Training Clinical Instruction IV	1
PE 417 Health Promotion	3
PE 422 Injury Evaluation	2
PE 451 Adapted Physical Education	3
Upper-division electives to total 40 credits	3
Electives to total 128 credits	10
Total	128

NOTE: Pre-physical therapy students should take C 131, 132, 133, 134 instead of C 107, 108, 109, 110, and should also take M 111 and PH 102. Students planning to apply to physical therapy schools should check those schools' prerequisite course requirements and should select their BSU courses accordingly.

Health Education Minor for Nonphysical Education Majors

Course Number and Title	Credits
PE 100 Health Education	3
PE 114 Fitness Foundations	1
PE 121 Standard First Aid and CPR	1
PE 123 First Aid Instructor Training course	1
PE 415 Health Programs: Methods and Administration	3
H 207 Nutrition	3
Z 107 Concepts of Human Anatomy and Physiology	4
Two electives selected from: H 109 Drugs: Use and Abuse P 261 Human Sexuality P 291 Death: A Confrontation for Everyone P 313 Psychology of Aging PE 405 Consumer Health	5-6
Total	21-22

Health Education Minor for Physical Education Majors

Course Number and Title	Credits
PE 123 First Aid Instructor Training course	1
PE 415 Health Programs: Methods and Administration	3
H 207 Nutrition	3
Two electives selected from: H 109 Drugs: Use and Abuse P 261 Human Sexuality P 291 Death: A Confrontation for Everyone P 313 Psychology of Aging PE 405 Consumer Health	5-6
Total	12-13

The Coaching Endorsement consists of two parts. Students desiring to coach at the elementary school level or as a volunteer in youth sport organizations should complete Part 1, which leads to American Coaching Effectiveness Program (ACEP) Level I certification. Students desiring to coach sports at the interscholastic level should complete both Part I and Part II.

Coaching Endorsement

Course Number and Title	Credits
Part I-Volunteer coaches	
PE 107 Introduction to Coaching	2
Complete one of the following:	
PE 121 Standard First Aid and CPR	1
PE 236 Introduction to Athletic Injuries	3
American Red Cross Certification in First Aid and CPR	0

— continued —

Coaching Endorsement (continued)	
One coaching methods course selected from: PE 250 Coaching Baseball PE 251 Coaching Basketball PE 252 Coaching Football PE 256 Coaching Women's Gymnastics PE 257 Coaching Tennis PE 258 Coaching Track and Field PE 259 Coaching Volleyball PE 260 Coaching Wrestling	2
PE 293 Internship in Coaching Youth Sports (or equivalent experience)	1
Subtotal	4-8
Part II-Interscholastic coaches	
Complete Part I	4-8
Z 107 or Z 111, 112 Human Anatomy and Physiology	4-8
PE 313 Conditioning Procedures PE 401 Psycho/Social Aspects of Sport PE 430 Coaching, Nature of Profession	2 3 2
One coaching methods course selected from: PE 250 Coaching Baseball PE 251 Coaching Basketball PE 252 Coaching Football PE 256 Coaching Women's Gymnastics PE 257 Coaching Tennis PE 258 Coaching Track and Field PE 259 Coaching Volleyball PE 260 Coaching Wrestling	2
PE 493 Internship "Interscholastic Athletics"	3
Two skills courses that complement coaching methods courses	1+1
Total	22-30

K-12 Endorsement for Physical Education Majors	
Course Number and Title	**Credits**
P 211 Child Psychology	3
PE 361 Elementary School Physical Education Methods	3
TE 477 Elementary Student Teaching-Specialty Area	4-8
Total	10-14

Course Offerings

See page 53 for a definition of the course-numbering system.

PE PHYSICAL EDUCATION

Lower Division

PE 100 HEALTH EDUCATION (3-0-3)(F/S). Covers nutrition, diseases, health needs, services, drugs, family living, and personality structure and development. Enhances student adjustment toward effective functioning in a changing environment. Required of all PE majors and athletic training majors.

PE 101 FOUNDATIONS OF PHYSICAL EDUCATION (3-0-3)(F/S). Instruction in physical education program offerings and requirements at BSU. Emphasis on an understanding of what is involved in the profession, including interaction of humanities, exercise physiology, kinesiology, psycho-social aspects, human growth, and motor development as related to physical education. Required of all PE and athletic training majors.

PE 103 INTRODUCTION TO RECREATION (2-0-2)(S). Instruction in the growth and development of recreation education and its role in present-day society. Offered odd-numbered years.

PE 107 INTRODUCTION TO COACHING (2-0-2)(F/S). An overview of the various elements that are critical to the coaching process, including coaching philosophy, sport psychology, practice planning, conditioning principles, injury prevention/rehabilitation, and sport management. Successful completion leads to American Coaching Effectiveness Program (ACEP) Level I certification. Special Fee: $7.00.

PE 113 RHYTHMIC SKILLS/DANCE (0-3-1)(F/S). Professional activity. Instruction and practice in rhythmic skills (locomotor, non-locomotor, and manipulative) and dance, emphasizing concepts, fundamental, and practical application. Required of all PE majors.

PE 114 FITNESS FOUNDATIONS (0-3-1)(F/S). Assessment, prescription and development of an individualized physical fitness program. Designed to improve cardiovascular endurance, strength, flexibility, and weight control. Required of all PE and athletic training majors.

PE 120 TRAINING ROOM PROCEDURES (0-2-1)(F). Instruction in actual clinical aspects of campus athletic training programs, emphasizing observation and practical application. Required of all athletic training majors.

PE 121 STANDARD FIRST AID AND CPR (1-1-1)(F/S). Instruction in and application of basic skills, utilizing the multi-media approach to first aid and CPR training. Required of all PE majors.

PE 122 ADVANCED FIRST AID AND CPR (3-0-3)(F/S). Instruction in wounds, shock, poisoning, heat and cold injuries, skeletal injuries, water rescue, CPR extrication, emergency child-birth, and training required for police, fire, and ski patrol persons.

PE 123 FIRST AID INSTRUCTOR TRAINER COURSE (1-2-1)(S). Instruction in methods of teaching CPR and standard first aid. Offered in spring of odd-numbered years.

PE 138 WEIGHT MANAGEMENT (1-0-1)(F/S). A healthy approach to weight loss is presented. Students will learn to self-monitor their progress toward attainment of ideal weight using a simple 100-point scoring system. Behavioral changes in the areas of nutrition and exercise are facilitated by an optional support group composed of class members. Pass/Fail. May be taken for physical education credit or health science credit (H 138), but not both.

PE 139 STRESS MANAGEMENT (1-0-1)(F/S). A series of exercises are presented to help students identify the various sources of stress in their lives, expand their repertoire of appropriate stress management techniques, and develop an action plan for the effective management of stress. Behavioral changes which facilitate stress management are reinforced by an optional support group composed of class members. Pass/Fail. May be taken for physical education credit or health science credit (H 139), but not both.

PE 140 PREPARING FOR DRUG FREE YEARS (1-0-1)(F/S). An alcohol/drug education program that empowers parents of children age 9-12 to reduce the risk that their children will develop alcohol/drug problems. Program is based on contemporary research which shows parents can make a difference. Pass/Fail. May be taken for physical education credit or health science credit (H 140), but not both.

PE 142 TAPING AND WRAPPING TECHNIQUES IN ATHLETIC TRAINING (0-2-1)(F/S). Introduces a variety of wrapping and taping procedures used in the field of athletic training as forms of external support to the ankle, knee, hip, groin, shoulder, elbow, wrist, hand, and fingers. Required for admission into the Athletic Training Program.

PE 150 A. BADMINTON/B. RACQUETBALL (0-3-1)(F/S). Professional activities. Instruction and practice in badminton/racquetball activities, emphasizing concepts, fundamentals, strategy, conditioning, and practical application. Required of all 6-12 PE majors.

PE 151 A. BASKETBALL/B. VOLLEYBALL (0-3-1)(F/S). Professional activities. Instruction and practice in basketball/volleyball activities, emphasizing concepts, fundamentals, strategy, conditioning, and practical application. Required of all 6-12 PE majors.

PE 153 A. FLAG FOOTBALL/B. AEROBIC CROSS-TRAINING (0-3-1)(F/S). Professional activities. Instruction and practice in flag football/aerobic activities, -emphasizing concepts, fundamentals, strategy, conditioning, and practical application. Required of all 6-12 PE majors.

PE 155 A. GOLF/B. BOWLING (0-3-1)(F/S). Professional activities. Instruction and practice in golf/bowling activities, emphasizing concepts, fundamentals, strategy, conditioning, and practical application. Required of all 6-12 PE majors. Special fee required.

PE 156 A. SOFTBALL/B. TENNIS (0-3-1)(F/S). Professional activities. Instruction and practice in softball/tennis activities, emphasizing concepts, fundamentals, strategy, conditioning, and practical application. Required of all 6-12 PE majors.

PE 159 A. SOCCER/B. TUMBLING (0-3-1)(F/S). Professional activities. Instruction and practice in soccer/tumbling activities, emphasizing concepts, fundamentals, strategy, conditioning, and practical application. Required of all 6-12 PE majors.

PE 160 LIFETIME FITNESS AND HEALTH (3-2-4)(F/S). A survey of contemporary fitness and health related issues. Emphasis is upon providing an understanding of basic concepts that are essential for knowledgeable decision-making. Topics include mental health, stress, fitness, nutrition, drug use/abuse, disease, and aging. Laboratory experiences stress lifestyle changes and an opportunity to set and achieve personal goals. May be taken for physical education credit or health science credit (H 160), but not both.

PE 203 RECREATIONAL ACTIVITIES (0-3-1)(F/S). Recreational games and activities designed for school settings with emphasis on concepts, materials, methods, and teaching progressions. Required of all 6-12 PE majors.

PE 212 TRACK AND FIELD (0-3-1)(F/S). Professional activity. Instruction and practice in track and field events, emphasizing concepts, basic skills and techniques, conditioning, and practical application. Required of all 6-12 PE majors.

PE 217 WRESTLING (0-2-1). Professional activities. Instruction and participation in wrestling for development of basic skills and techniques, emphasizing fundamentals, conditioning, and practical application. Offered on demand.

PE 218 RHYTHMIC GYMNASTICS (0-2-1). Professional activity. Instruction and participation in rhythmic gymnastics for development of basic skills and techniques, emphasizing fundamentals, skill progressions, conditioning, and practical application. Offered on demand.

PE 230 APPLIED ANATOMY (2-0-2)(F/S). Investigation of human osteology, myology, arthrology, and neurology as they relate to movement. Emphasis is on application of gross human anatomy to principles of simple and complex movement. Required of all PE and athletic training majors. PREREQ: Z 107 or Z 111-112 or concurrent enrollment in Z 112. COREQ: PE 231.

PE 231 LABORATORY FOR APPLIED ANATOMY (0-2-1)(F/S). The laboratory to accompany PE 230. COREQ: PE 230.

PE 236 INTRODUCTION TO ATHLETIC INJURIES (2-2-3)(F/S). Introduction to principles of care and prevention of sport induced injury. Emphasis will be on identification and differentiation of minor and major trauma related to sports participation. Required of all athletic training majors.

PE 250 COACHING BASEBALL (2-0-2)(S). Instruction in methods of coaching baseball with emphasis on fundamentals, strategy, conditioning, and practical application. PREREQ: Sophomore standing. Offered in spring of odd-numbered years.

PE 251 COACHING BASKETBALL (2-0-2)(F). Instruction in methods of coaching basketball with emphasis on fundamentals, strategy, conditioning, and practical application. PREREQ: Sophomore standing.

PE 252 COACHING FOOTBALL (2-0-2)(F). Instruction in methods of coaching football with emphasis on fundamentals, strategy, conditioning, and practical application. PREREQ: Sophomore standing.

PE 254 SPORT OFFICIATING (2-0-2)(S). Instruction in officiating sports for development of skills and application of methods to sports.

PE 256 COACHING WOMEN'S GYMNASTICS (2-0-2). Instruction in methods of coaching women's gymnastics with emphasis on fundamentals, skill progressions, safety, conditioning, and practical application. PREREQ: Sophomore standing. Offered upon demand.

PE 257 COACHING TENNIS (2-0-2)(S). Instruction in methods of coaching tennis with emphasis on fundamentals, strategy, conditioning, and practical application. PREREQ: Sophomore standing. Offered in spring of even-numbered years.

PE 258 COACHING TRACK AND FIELD (2-0-2)(S). Instruction in methods of coaching track and field with emphasis on fundamentals, conditioning, meet organization/administration, and practical application. PREREQ: Sophomore standing and PE 212.

PE 259 COACHING VOLLEYBALL (2-0-2)(F). Instruction in methods of coaching volleyball with emphasis on fundamentals, strategy, conditioning, and practical application. PREREQ: Sophomore standing.

PE 260 COACHING WRESTLING (2-0-2). Instruction in methods of coaching wrestling with emphasis on fundamentals, strategy, conditioning, and practical application. PREREQ: Sophomore standing. Offered on demand.

PE 271 INTRODUCTION TO TEACHING PHYSICAL EDUCATION: CLASSROOM OBSERVATION (1-1-1)(F/S). Participants will be required to observe and report systematic and anecdotal recordings of teaching/learning events in public school gymnasiums. In addition, students will be asked to take on a more active, teacher assistant role on several occasions throughout the semester.

PE 282 EMERGENCY AND BASIC WATER SAFETY (1-2-2)(F/S). American Red Cross (ARC) course. Personal and community water safety and how to respond in an aquatic emergency. Students must be able to pass an intermediate skills test consisting of swimming continuously for 5 minutes including the crawl stroke and sidestroke for 50 yards each; jumping into deep water and treading water for one minute; demonstrating the survival float and water safety assistance skills in reaching, throwing, and wading.

PE 283 WATER SAFETY INSTRUCTOR'S COURSE (1-2-2)(F/S). Review of courses the student is eligible to teach. Teaching methods and practice teaching. Leads to American Red Cross (ARC), WSI certification. PREREQ: Students must be able to pass an American Red Cross intermediate skills test.

PE 284 MICROCOMPUTERS IN PHYSICAL EDUCATION (3-0-3)(F/S). An introduction to the use of microcomputers in physical education and allied disciplines. The course includes BASIC programming, selection and evaluation of hardware and software, and unique computer applications for physical educators.

PE 288 LIFEGUARD TRAINING (1-2-2)(F/S). The essential skills training will be provided for those desiring to certify through the American Red Cross (ARC) as nonsurf lifeguards. PREREQ: Students must be able to pass an American Red Cross intermediate skills test.

PE 293 INTERNSHIP (1-3 credits)(F/S). Practicum field experience in physical education-related areas. Practical experience utilizing theory and practice of the assigned activity in various settings. Required in some options.

Upper Division

PE 300 CURRICULUM PROFICIENCY IN PHYSICAL EDUCATION (2-0-2)(F/S). The planning of a school physical education program including the activity selection, sequencing, unit development, program model, and evaluation. PREREQ: Admission to upper-division standing.

PE 303 INTRAMURAL ORGANIZATION (2-0-2)(F). Instruction in organization and administration of intramural activities. Offered in the fall of odd-numbered years. PREREQ: Junior standing.

PE 304 INSTRUCTIONAL STYLES FOR TEACHING PHYSICAL EDUCATION (2-3-3)(F/S). Instruction and participation in the delivery of physical education lessons for school settings, including class management, class organization, instructional methodology, observation skills, and the evaluation of teaching. PREREQ: Admission to upper-division standing.

PE 306-306G HUMAN GROWTH AND MOTOR LEARNING (2-0-2)(F/S). Designed to provide the student with an understanding of human growth, movement development, motor learning, and control. Application to skilled behavior is emphasized. PREREQ: Admission to upper-division standing. COREQ: PE 308-308G.

PE 308-308G LABORATORY FOR HUMAN GROWTH AND MOTOR LEARNING (0-2-1)(F/S). The laboratory to accompany PE 306-306G. COREQ: PE 306-306G.

PE 309 EVALUATION IN PHYSICAL EDUCATION (3-0-3)(F/S). Instruction in philosophy of evaluation, test construction/evaluation/administration, statistical analysis and interpretation of test scores, and computer applications for statistical analysis. PREREQ: Admission to upper-division standing.

PE 310-310G EXERCISE PHYSIOLOGY (2-0-2)(F/S). Instruction in the physiological and biochemical changes accompanying exercise and training with emphasis on application of scientific principles to training program design. Required of all PE majors. PREREQ: Admission to upper-division standing. COREQ: PE 312-312G.

PE 312-312G LABORATORY FOR EXERCISE PHYSIOLOGY (0-2-1)(F/S). The laboratory to accompany PE 310-310G. COREQ: PE 310-310G.

PE 313 CONDITIONING PROCEDURES (1-0-2)(F/S). Instruction in conditioning procedures with emphasis on program planning, objectives, exercise analysis, and prescription. PREREQ: Admission to upper-division standing and PE 310.

PE 341 SECONDARY SCHOOL DANCE METHODS (2-0-2)(F). Instruction in methods of teaching social, folk, square, rounds, mixers, and aerobic dance. Offered in the fall of even-numbered years.

PE 351-351G KINESIOLOGY (2-2-3)(F/S). Anatomical and mechanical considerations applied to human motion in sport and exercise. Required of all PE majors. PREREQ: Admission to upper-division standing. COREQ: PE 352-PE 352G.

PE 352-352G LABORATORY FOR KINESIOLOGY (0-2-1)(F/S). The laboratory to accompany PE 351-351G. COREQ: PE 351-351G.

PE 357 DANCE FOR CHILDREN (2-0-2)(S). Instruction in the analysis of fundamentals, development of skills, and application of methods in teaching dance to children. Offered in spring of odd-numbered years.

PE 361 ELEMENTARY SCHOOL PHYSICAL EDUCATION METHODS (3-0-3)(F/S). Instruction in methods of teaching elementary school physical education emphasizing movement needs, analysis and development of skills, and practical application. PREREQ: Junior standing.

PE 362 ELEMENTARY SCHOOL HEALTH AND PHYSICAL EDUCATION CURRICULUM AND INSTRUCTION (4-0-4)(F/S). This course provides planning, organization, and management techniques for teaching elementary school health and physical education. The health content focuses on issues, trends, practices, individual/social health problems, and topic sequencing, while the physical education portion emphasizes movement needs, skill analysis/development, and activity progressions. PREREQ: Junior standing, admission to teacher education.

PE 369 MOTOR PROGRAMMING FOR SPECIAL POPULATIONS (2-0-2)(F). Instruction in motor growth and development, identification, assessment, prescription, and methods of implementing fitness programs for special populations. PREREQ: Junior standing, PE 361.

PE 401-401G PSYCHO/SOCIAL ASPECTS OF ACTIVITY (3-0-3)(F/S). The course examines the cultural aspects of sport including educational, religion, political, social, and economical values. Psychological factors related to performance include personality, motivation, and anxiety. PREREQ: Admission to upper-division standing.

PE 402-402G ADVANCED ATHLETIC TRAINING (3-3-3)(S). Instruction in advanced theory and application of techniques of athletic training for student pursuing a career as professional athletic trainer. PREREQ: Admission to upper-division standing, PE 236 and 351, 352. Offered in spring of odd-numbered years.

PE 403 TRAINING ROOM MODALITIES (2-0-2)(F). Instruction in theory and application of various therapeutic modalities for care and treatment of athletic injuries, emphasizing cryotherapy, thermal therapy, and electrical modalities. PREREQ: Admission to upper-division standing, PE 236 and 351, 352. Offered in the fall of even-numbered years.

PE 405 CONSUMER HEALTH (2-0-2)(S). Instruction in factors involved in the selection and evaluation of health services and products, emphasizing quackery awareness, consumer protection laws and organizations, and health insurance considerations. PREREQ: Junior standing. Offered in the spring of even-numbered years.

PE 406 THEORY AND APPLICATION OF THERAPEUTIC EXERCISE (2-2-3)(S). Introduction to the theory and application of physical exercise for the treatment of musculoskeletal disorders in athletics. Topics will include passive, assistive, active, and resistive forms of exercise, as well as the current therapeutic modalities available. PREREQ: PE 236, 351, 352, and admission to upper-division standing. Offered in spring of even-numbered years.

PE 411 ATHLETIC TRAINING CLINICAL INSTRUCTION I (0-4-2)(F). Instruction in a variety of clinical psychomotor skills as delineated by the National Athletic Trainer's Association. Includes record keeping, ice application, hydrocollator application, whirlpool application, cryokinetics, cryostretch, daily adjustable progressive resistive exercise routine, measurement of range-of-motion, and sprains and strains. PREREQ: Admission into the clinical instruction component of the Athletic Training Program.

PE 412 ATHLETIC TRAINING CLINICAL INSTRUCTION II (0-2-1)(S). Instruction in a variety of clinical psychomotor shills as delineated by the National Athletic Trainer's Associate including evaluation procedures (history, observation, palpation, special tests) of injuries to the ankle, knee, hip, lumbar spine, shoulder complex, elbow, wrist, hand, cervical spine, abdomen, and head. PREREQ: PE 411.

PE 413 ATHLETIC TRAINING CLINICAL INSTRUCTION III (0-4-2)(F). Instruction in a variety of psychomotor skills as delineated by the National Athletic Trainer's Association. To include management and treatment of injuries to the foot, ankle, lower leg, knee, thigh, hip, pelvis, lumbar spine, shoulder, elbow, forearm, wrist, hand, chest, abdomen, cervical spine, head, and face. PREREQ: PE 412.

PE 414 ATHLETIC TRAINING CLINICAL INSTRUCTION IV (1-1-1)(S). To include instruction in a variety of psychomotor skills. Includes equipment maintenance, supervision of 1st year level athletic training students (those enrolled in PE 412), and surgical observation. PREREQ: PE 413.

PE 415 HEALTH PROGRAMS: METHODS AND ADMINISTRATION (3-0-3)(S). Instruction related to issues, trends, and current administrative practices in health education. Emphasis placed upon topic sequencing, individual and social health problems, and methods of teaching health-related topics. PREREQ: Junior standing.

PE 417 HEALTH PROMOTION (2-2-3)(F/S). Course is designed to familiarize students with current trends and health promotion strategies. Provides both a theoretical and utilitarian practical background in risk factors, program implementation, education intervention, exercise testing, and corporate culture. PREREQ: Admission to upper-division standing and PE 310, 312.

PE 422 INJURY EVALUATION (2-0-2)(F). Instruction in theory and application of basic passive and functional examination of traumatic conditions resulting from sports participation, emphasizing specific examination techniques. PREREQ: Admission to upper-division standing. Offered in the fall of odd-numbered years.

PE 430 COACHING-NATURE OF THE PROFESSION (2-0-2)(S). Nature of the coaching profession with emphasis on the functions of the coach in the interscholastic athletic program. PREREQ: Junior standing.

PE 433 LEISURE COUNSELING (2-0-2)(S). Instruction in meeting needs of a more free-time society through fitness, social, artistic, community, and learning activities. Offered on demand.

PE 451 ADAPTED PHYSICAL EDUCATION (3-0-3)(F/S). Course is designed to acquaint physical educators with the unique needs of the disabled. Emphasis will be on planning activities, games, sports, and exercise programs that will contribute to the special student's developmental health and wellness. PREREQ: Admission to upper-division standing.

PE 457 ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION (2-0-2)(F/S). Instruction in organization and administration of physical education and athletic programs. Emphasis on the role of physical education and athletics in the total education program. Required of all physical education teaching majors. PREREQ: Admission to upper-division standing.

PE 481 FACILITIES AND EQUIPMENT (2-0-2). Instruction in physical education and athletic facility and equipment care and planning, emphasizing needs, codes, materials, space requirements, equipment and supply purchase and care, and computer programming.

PE 493 INTERNSHIP IN PHYSICAL EDUCATION (1-6 Credits)(F/S). Practical field experience in physical education-related areas. Opportunity to apply knowledge and theory learned in classroom to practical setting. Required in some options. PREREQ: Admission to upper-division standing, 2.5 GPA and PERM/INST.

FA FITNESS ACTIVITY

The Fitness Activity Program provides for beginning, intermediate and advanced levels of instruction in a variety of activities to meet the needs and interests of the student. The courses meet two hours per week for one semester. One credit will be granted for successful completion. Eight credits of fitness activity courses may be counted as electives toward graduation. No fitness activity course may be challenged for credit. All fitness activity courses are graded pass/fail; therefore, credit earned count toward graduation but earn no quality points used in calculating the grade point average.
***FA 168 Aerobic Activities and FA 162 Adapted Physical Education may be repeated for credit.**

Fitness activity course numbers provide the following information:
1. The first digit indicates skill level (I, II, III):
   1) LEVEL I courses are designed for the beginner who has had little or no instruction in the activity.
   2) LEVEL II is for the individual who has command of basic skills and is of intermediate performance level.
   3) LEVEL III is for the individual who has command of intermediate skills and is ready for emphasis on advanced game strategies and skills.
2. The second digit indicates the activity classification (1–aquatics, 2–dance, 3–individual sports, 4–martial arts, 5–outdoor pursuits, 6–personal fitness, 7–racquet and court sports, 8–team sports, 9–participation sports).
3. The third digit indicates the specific activity (example: 1–kayaking, 2–skin and scuba diving, etc.)

Lower Division

FA 111 KAYAKING (0-2-1)(F/S). Basic skills of kayaking. Covers safe handling, self-rescue skills, and helping or rescuing others. Students must be able to maintain themselves in deep water, fully clothed, for ten minutes. Special fee: full-time students exempt. (Pass/Fail).

FA 112 SKIN AND SCUBA DIVING I (0-2-1)(F/S). Basic skin and scuba diving skills. Proper use of mask, fins, and snorkel, mechanical use of equipment, safety techniques, and panic control are stressed. Students must swim 400 yards, tread water for 15 minutes, and carry a ten pound weight 25 yards. Certification is optional. Special fee: full-time students exempt. (Pass/Fail).

FA 113 SWIMMING I (0-2-1)(F/S). Basic water safety, skill, and knowledge; floating, bobbing, diving, rhythmic breathing, treading water, and introduction to the crawl, side, and elementary backstroke. For students who do not know how to swim. (Pass/Fail).

FA 114 RAFTING (0-2-1)(S). Basic skills of rafting. Covers safe handling, self-rescue skills, and helping or rescuing others. Students must be able to maintain themselves in deep water, fully clothed, for ten minutes. Special fee: full-time students exempt. (Pass/Fail).

FA 116 CANOEING (0-2-1)(F/S). Develop proper stroking/handling techniques and knowledge of river currents. Learn to paddle on lakes, reservoirs, and flat rivers, or experience the excitement of white-water canoeing. Must be able to swim. Special fee: full-time students exempt. (Pass/Fail).

FA 117 SAILING (0-2-1)(F/S). Learn the basic techniques of sailing. Instruction includes rigging, safety procedures, knot tying, terminology, boat care, and navigation. Involves lectures and weekend sailing trip. Special fee: full-time students exempt. (Pass/Fail).

FA 119 CYCLING (0-2-1)(F/S). Learn proper cycling technique, bicycle mechanics, road safety, and tour planning. Special fee: full-time students exempt. (Pass/Fail).

FA 120 ROCK CLIMBING (0-2-1)(F/S). Learn the challenge of rock climbing. Basic knots, repelling, belaying, and other climbing skills are taught. No experience necessary. Special fee: full-time students exempt. (Pass/Fail).

FA 121 BALLET I (0-2-1)(F/S). A structured class in the basics of classical dance, Barre work, and technique with historical background stressed. Designed as a tool to help students gain strength and agility. (Pass/Fail).

FA 122 FOLK DANCE I (0-2-1). Instruction and participation in techniques and application of basic steps and patterns used in folk dances from different countries. (Pass/Fail).

FA 123 MODERN DANCE I (0-2-1)(F/S). Opportunities for developing a sensitivity to the use of body movement, space, and time for creative expression. Improvement of flexibility, balance, coordination, and relaxation by using modern dance techniques and movement exploration. (Pass/Fail).

FA 124 SOCIAL DANCE I (0-2-1)(S). Instruction and participation in dance fundamentals including waltz, polka, jitterbug, foxtrot, western swing, cha cha, samba, tango, folk, square, round dances, and mixers. (Pass/Fail).

FA 125 JAZZ DANCE (0-2-1-)(F/S). Basic fundamentals and techniques of jazz dance. (Pass/Fail).

FA 131 ARCHERY I (0-2-1-). Provides the beginning archery students with instruction and participation in fundamental techniques of archery: target, field, clout, bow hunting, novelty, etc. (Pass/Fail).

FA 133 BOWLING (0-2-1)(F/S). Instruction and participation in bowling for development of fundamental skills, rules, handicaps, and scorekeeping. Special fee required. (Pass/Fail).

FA 134 FENCING I (0-2-1). Instruction and participation in fencing for development of basic skills and techniques. (Pass/Fail).

FA 135 GOLF I (0-2-1)(F/S). Instruction and participation in golf for development of fundamental skills, rules, and proper etiquette of the game. Special fee required. (Pass/Fail.)

FA 136 GYMNASTICS I (0-2-1)(Coed). Instruction and participation in gymnastics for development of fundamental skills and spotting and safety techniques. (Pass/Fail.)

FA 141 DEFENSIVE TACTICS I (0-2-1). Defense against one or more persons, arrest, control devices, and individual/group tactics. For criminology majors only. A 'Gi' is required. (Pass/Fail.)

FA 142 JUDO I (0-2-1). Principles and philosophy of judo and techniques of falling, throwing, and grappling. A 'Gi' is required. (Pass/Fail.)

FA 143 KARATE I (0-2-1)(F/S). Presentation of techniques based on the theory of energy conservation. Exercises coordinating the mental and physical powers possessed by every individual. A 'Gi' is required. (Pass/Fail.)

FA 144 SELF-DEFENSE I (0-2-1)(F/S). Defensive tactics of Aikido, Judo, and Karate. Coordination of mind and body and nonaggressive application of laws of gravity and force. Improvement of coordination and condition of the participant. A 'Gi' is required. (Pass/Fail.)

FA 150 WINTER MOUNTAINEERING (0-2-1)(F/S). Course designed to teach a person how to cope with the mountain winter environment in comfort and safety. Includes mountaineering techniques, first aid, snow shelter, avalanche awareness, equipment, map, and compass. Students spend the night in self-made shelters and put knowledge to practical application. Special fee: full-time students exempt. (Pass/Fail).

FA 151 ALPINE SKIING I (0-2-1)(S). Basic skills and techniques of alpine skiing. Students furnish equipment and transportation. Special fee required. (Pass/Fail.)

FA 152 BACKPACKING, CAMPING AND SURVIVAL SKILLS I (0-2-1)(F/S). Fundamental skills in backpacking, overnight camping, and basic survival. Includes choice and care of equipment, camping sites, outdoor cooking skills, and ecology. Students furnish equipment and transportation. (Pass/Fail).

FA 153 CROSS COUNTRY SKIING I (0-2-1)(S). Basic skills and techniques of cross country skiing. Students furnish equipment and transportation. Special fee required. (Pass/Fail).

FA 154 FLY CASTING AND STREAM STRATEGY I (0-2-1)(F/S). Techniques of fly casting, including single and double haul methods. Presentation of insect, minnow, and terrestrial imitations. Techniques of catching and releasing of warm water, cold water, and anadromous fishes. Students furnish equipment and transportation. (Pass/Fail).

FA 155 FLYTYING I (0-2-1)(F/S). A practical orientation and application of flytying skills for the beginning or experienced fly tier. The course will focus on tying dry and wet flies, nymphs, bucktails, and streamers. Special fee required (Pass/Fail).

FA 156 TRAP AND SKEET SHOOTING I (0-2-1)(F/S). A course in fundamental skills of shotgun shooting. Sighting procedures, gun parts, care of equipment, and safety are stressed. Shotgun trap loading is also taught. Students must furnish shotgun, shells, and trap range fees. (Pass/Fail).

FA 157 CAVE EXPLORATION (0-2-1)(F/S). Instruction includes information about types of caves, formations, formation growth, essential equipment, and utilization of proper safety techniques. Conservation of natural resources is emphasized as part of cave exploration field trips. Special fee: full-time students exempt. (Pass/Fail).

FA 158 RECREATIONAL OUTDOOR PHOTOGRAPHY (0-2-1)(F/S). The mechanics of camera and flash systems are covered along with troubleshooting, use of shutter speed, aperture, and composition. The course consists of four (4) classroom sessions plus weekend field trips to various recreational settings where hiking is involved. Art students may not substitute this class for another photography course required as part of their major. Special fee: full-time students exempt. (Pass/Fail).

FA 159 MOUNTAIN BIKING (0-2-1)(F/S). Equipment orientation, basic mechanics, maintenance, riding techniques, trip planning, and logistics are all part of the itinerary. Several evening rides as well as an overnight trip in the backcountry are scheduled. Students must provide their own mountain bikes and helmets. Special fee: full-time students exempt. (Pass/Fail.)

FA 162 ADAPTED PHYSICAL EDUCATION I (0-2-1)(F/S). Adaptive and corrective exercise programs to aid men and women who are unable to participate in a regular activity class. Course is structured to meet the special needs of the individual. May be repeated for credit. (Pass/Fail.)

FA 164 PERSONAL FITNESS AND WEIGHT CONTROL I (0-2-1). Introduction to the essential components of total fitness with prescribed fitness programs for individual needs. (Pass/Fail).

FA 165 WEIGHT TRAINING I (0-2-1). Instruction and participation in progressive body-building and conditioning exercises with resistance for development of beginning skills and fitness. (Pass/Fail).

FA 166 YOGA AND STRESS MANAGEMENT I (0-2-1). Introduction to yoga theory, practice, and tradition; introduction to stress/distress theories; in-depth practice of Hatha Yoga postures: in-depth breath control (abdominal breath.) (Pass/Fail).

FA 168 AEROBIC ACTIVITIES (0-2-1)(F/S). Instruction and participation in various aerobic activities for the development of cardiovascular and neuromuscular fitness. Will include activities such as aerobic dance, jogging, and aerobic swimming (refer to class schedule for specifics). May be repeated for credit. (Pass/Fail).

FA 171 BADMINTON I (0-2-1). Instruction and participation in badminton to encourage skill development, understanding, and appreciation of the game. (Pass/Fail).

FA 172 RACQUETBALL I (0-2-1)(F/S). Instruction and participation will emphasize basic techniques and skills of racquetball with emphasis on playing procedures. Students furnish racquets and balls. Protective eyewear required. (Pass/Fail).

FA 173 TENNIS I (0-2-1)(F/S). Instruction and participation in tennis for development of fundamental skills, rules, and basic strategy. Students furnish racquets and balls. (Pass/Fail).

FA 181 BASKETBALL I (0-2-1)(F/S). Instruction and participation in basketball for development of fundamental skills, rules, and basic team strategy. (Pass/Fail).

FA 182 SOFTBALL I (0-2-1). Instruction and participation in softball for development of fundamental skills, rules, and basic team strategy. (Pass/Fail).

FA 186 VOLLEYBALL I (0-2-1)(F/S). Instruction and participation in volleyball for development of fundamental skills, rules, and basic team strategy. (Pass/Fail).

FA 187 SOCCER I (0-2-1)(F). Instruction and participation in soccer for development of fundamental skills, rules, and basic team strategy. (Pass/Fail).

FA 190 CLUB SPORTS I (-0-2-1)(F/S). Instruction and participation in club sports approved by the BSU Student Senate. Club advisor's approval required. (Pass/Fail).

FA 191 VARSITY SPORTS I (0-2-1)(F/S). Instruction and participation in BSU department of athletics-approved sports. Coach's approval required. (Pass/Fail).

FA 213 SWIMMING II (0-2-1)(F/S). Instruction and participation in swimming for development of intermediate skills and techniques. Instruction in self-rescue skills, games, diving, and contests. Students must be able to swim 50 yards. (Pass/Fail).

FA 216 WHITE-WATER CANOEING (0-2-1)(F/S). Students will canoe white-water rivers and have the opportunity to experience surfing, eddy turns, and river hydraulics. American Red Cross certification is available. All equipment is supplied. Participants must be able to swim. PREREQ: FA 116 or PERM/INST. Special fee: full-time students exempt. (Pass/Fail.)

FA 220 INTERMEDIATE ROCK CLIMBING (0-2-1)(F/S). Instruction covers techniques for mid-fifth class climbing, protection and placements, belaying, and repelling in a safe manner. Content will help improve skill level and develop leading ability on suitable terrain. Personal climbing equipment required. (Pass/Fail). PREREQ: FA 120 or PERM/INST.

FA 222 FOLK DANCE II (0-2-1). Instruction and participation in folk dance for development of advanced skills. (Pass/Fail).

FA 223 MODERN DANCE II (0-2-1). Instruction and participation in intermediate modern dance for development of flexibility, balance, coordination, and movement, control leading to dance choreography and production work. (Pass/Fail). PREREQ: FA 123.

FA 224 SOCIAL DANCE II (0-2-1). Instruction and participation in social dance for development in the waltz, cha cha, fox trot, rhumba, tango, lindy, western swing, folk, square, and various novelty dances. (Pass/Fail).

FA 233 BOWLING II (0-2-1). Instruction and participation in bowling for development of intermediate skills and techniques. Special fee required. (Pass/Fail). PREREQ: FA 133.

FA 235 GOLF II (0-2-1). Instruction and participation in golf for development of intermediate skills and techniques. Special fee required. (Pass/Fail). PREREQ: FA 135.

FA 236 GYMNASTICS II (0-2-1)(Coed). Instruction and participation in gymnastics for development of intermediate skills and techniques, performing combinations, compulsory, and optional routines. (Pass/Fail). PREREQ: FA 136. .

FA 242 JUDO II (0-2-1). Instruction and participation in judo for those seeking advanced degrees. A 'Gi' is required. (Pass/Fail.) PREREQ: FA 142.

FA 243 KARATE II (0-2-1). Instruction and participation in karate for development of advanced skills and techniques. A 'Gi' is required. (Pass/Fail.) PREREQ: FA 143.

FA 244 SELF-DEFENSE II (0-2-1). Instruction and participation in advanced defensive tactics of Aikido, Judo, and Karate. Coordination of mind and body and nonaggressive application of laws of gravity and force. A 'Gi' is required. (Pass/Fail.) PREREQ: FA 144.

FA 259 BICYCLE RACING (0-2-1)(F/S). Pre-race training, coping strategies, time trials, and triathlon competition are part of the content. Additional instruction includes bicycle maintenance and safety in racing and triathlon settings. Students must provide their own bicycles and helmets. Special fee: full-time students exempt. (Pass/Fail.)

FA 265 WEIGHT TRAINING II (0-2-1)(F/S). Instruction and participation in progressive body-building and conditioning exercise with resistance for development of intermediate skills. (Pass/Fail). PREREQ: FA 165.

FA 272 RACQUETBALL II (0-2-1)(F/S). Instruction and participation in racquetball for development of intermediate skills and techniques. Students furnish racquets and balls. Protective eye wear is required. (Pass/Fail). PREREQ: FA 172.

FA 273 TENNIS II (0-2-1). Instruction and participation in tennis for development of intermediate skills and techniques. Students furnish racquets and balls. (Pass/Fail). PREREQ: FA 173.

FA 281 BASKETBALL II (0-2-1)(F/S). Instruction and participation in basketball for development of intermediate skills and techniques. (Pass/Fail). PREREQ: FA 181.

FA 286 VOLLEYBALL II (0-2-1)(F/S). Instruction and participation in volleyball for development of intermediate skills and techniques. (Pass/Fail). PREREQ: FA 186.

FA 290 CLUB SPORTS II (0-2-1)(F/S). Instruction and participation in club sports approved by BSU Student Senate. Club advisor's approval required. (Pass/Fail).

FA 291 VARSITY SPORTS II (0-2-1)(F/S). Instruction and participation in BSU department of athletics-approved sports. Coach's approval required. (Pass/Fail).

Upper Division

FA 313 SWIMMING III (0-2-1)(F/S). Participation in swimming for development of advanced skills and techniques. Instruction in stroke mechanics, training program design, starts, turns, and survival swimming. (Pass/Fail). PREREQ: FA 213.

FA 365 WEIGHT TRAINING III (0-2-1)(F/S). Instruction and participation in progressive bodybuilding and conditioning exercises with resistance for development of advanced skills and fitness. (Pass/Fail). PREREQ: FA 265.

FA 372 RACQUETBALL III (0-2-1)(F/S). Instruction and participation in racquetball for development of advanced skills and techniques. Emphasis on doubles play and safety. Students furnish racquets and balls. Protective eyewear is required. (Pass/Fail). PREREQ: FA 272.

FA 373 TENNIS III (0-2-1). Instruction and participation in advanced drills, game experience, strategy and study of the USTA rules and code. Students furnish racquets and balls. (Pass/Fail). PREREQ: FA 273.

Department of Health Studies

Health Science Riverside

Telephone 208 385-1130
Telephone 208 385-3929

Chair and Associate Professor: Sara La Riviere. *Professors:* Long, Stokes. *Associate Professors:* Elison, Seddon. *Assistant Professor:* Andersen.

Degrees Offered

- A.S. in Health Information Technology
- B.S. in Environmental Health
- B.S. in Health Information Management
- B.S. in Health Science Studies
- B.S. in Medical Technology
- B.S. in Pre-dental Studies
- B.S. in Pre-medical Studies
- B.S. in Pre-veterinary Studies
- Minor in Alcohol and Drug Studies

Department Statement

Students in this department may choose to study environmental health, health information management, health science studies, a preprofessional area, or alcohol and drug studies. Students are encouraged to work closely with an advisor to ensure that the courses they take will meet degree requirements.

Faculty in the department also advise students who are interested in a health-care career but have not yet decided which discipline to enter.

Environmental Health

Environmental health specialists play an important role in assisting communities to ensure a healthful environment. Specific activities may include helping private businesses and public agencies maintain sanitary conditions in food establishments, in recreational facilities, and in public and private water supplies. Other activities may include assisting communities in properly disposing of toxic wastes; pest control; minimizing community air, water, and noise pollution; and assisting businesses in promoting safe and healthful working conditions.

The environmental health curriculum provides a broad background in understanding public health problems and in working with people effectively to arrive at solutions to these problems. During the first two years, students take general college education courses. These may be taken at BSU or at other accredited 2- or 4-year colleges or universities, with students transferring to BSU for the junior and senior years. Upper-division students must complete an internship with public health agencies or private business.

Health Information Management

Health information management concerns the techniques used in securing, analyzing, integrating, and managing health information. A health information career is a blend of patient care, management, and technology. The associate and baccalaureate programs combine clinical practice in acute care and non-acute care facilities, with courses of study such as classification systems, computerization of data, and administration of health data. Internships are completed by upper division students in public or private computerized information areas.

Health Science Studies

The bachelor of science degree in health science studies provides a curriculum for students who wish to gain an education in health science studies as a foundation for additional professional or graduate work in several health science professions, including medicine, dentistry, hospital administration, medical technology, and physical therapy. Employment with public health agencies or institutions is also an option. Undecided health science majors can use the curriculum to obtain the beginning courses until they decide on a major. Those students should work closely with an advisor to ensure that they take courses that will meet requirements.

Minor in Alcohol and Drug Studies

Undergraduate students may complete a minor in alcohol and drug studies. At the graduate level, students may complete a master of arts or science in interdisciplinary studies (College of Arts and Science) with an emphasis in alcohol and drug studies.

Pre-Professional Studies

Pre-professional studies is designed for students who intend to apply to a professional school. This option serves students who have declared a major in pre-medicine, pre-dental, pre-dental hygiene, pre-dietetics, pre-occupational therapy, pre-optometry, pre-pharmacy, pre-physical therapy, pre-veterinary medicine, pre-chiropractic, pre-physician assistant, or medical technology. Students should seek regular counsel with the advisor who has been designated for his or her major field of interest.

Degree Requirements

Environmental Health
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
P 101 General Psychology	3
SO 101 Introduction to Sociology	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
B 301 Cell Biology	3
B 205 Microbiology **OR** B 303 Bacteriology	4-5
B 415 Applied and Environmental Microbiology	4
BT 130 General Botany	5
C 131, 132, 133, 134 College Chemistry and Labs	9
C 317, 319 Organic Chemistry and Lab	5
CM 356 Communication in Small Group **OR** CM 390 or SO 390 Conflict Resolution	3
E 202 Technical Communication	3
EH 100 Introduction to Environmental Health	1
EH 310 Water Supply and Water Quality Management	3
EH 320 Community Environmental Health Management	3
EH 380 Air Quality Management	2
EH 415 Occupational Safety and Health	3
EH 442 Hazardous Waste Management	2
EH 450 Environmental Health Law	2
EH 493 Internship	4
H 304 Public Health Administration	3
H 480 Epidemiology	3
M 111 Algebra and Trigonometry **OR** M 204 Calculus and Analytic Geometry	5
M 120 Applied Statistics with the Computer	4

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Environmental Health (continued)	
PH 101, 102 General Physics	8
Z 230 General Zoology	5
Z 305 Entomology	4
*Electives to total 128 credits	9-10
Total	128

*Suggested electives chosen from B 310, B 412, B 423, EC 206, GO 101, H 498-499, M 361, MG 301, PO 101, PO 102, and Z 401.
NOTE: Environmental health students must earn at least a grade of C in their required professional courses. The professional courses are (1) all EH courses; (2) all H courses; (3) E 202; and (4) CM 356/SO 390.

Course Offerings

See page 53 for a definition of the course-numbering system.

EH ENVIRONMENTAL HEALTH

Lower Division

EH 100 INTRODUCTION TO ENVIRONMENTAL HEALTH (1-0-1)(F). Various program areas within the field of environmental health, such as water quality, air quality, and hazardous waste management, are discussed. Lectures are presented by environmental health faculty and guest speakers from the regulatory agencies and industry. Environmental health majors only.

EH 160 ENVIRONMENTAL HEALTH PRACTICUM (0-V-1)(F/S). Field observations in public health agencies and industry. Requires a minimum 20 hours in the field and periodic seminars with a university instructor. (Pass/Fail).

Upper Division

EH 310 WATER SUPPLY AND WATER QUALITY MANAGEMENT (2-3-3)(F). Engineering, biological, and management principles of community water supply and water pollution control. PREREQ: botany, zoology, C 131-134, one year mathematics, upper-division standing, environmental health major or PERM/INST. Even-numbered years.

EH 320 COMMUNITY ENVIRONMENTAL HEALTH MANAGEMENT (2-3-3)(F). Sanitation and management practices for community problems dealing with waste disposal, vector control, food and milk protection, swimming pools, and recreation activities. PREREQ: botany, zoology, C 131-134, one year mathematics, upper-division standing. environmental health major, or PERM/INST. Odd-numbered years.

EH 380 AIR QUALITY MANAGEMENT (2-0-2)(F). Chemical, engineering, and management principles of community and industrial air quality control. PREREQ: organic chemistry or concurrent enrollment, environmental health major, or PERM/INST. Odd-numbered years.

EH 415 OCCUPATIONAL SAFETY AND HEALTH (2-3-3)(S). Recognition, evaluation, and control of environmental health hazards or stresses (chemical, physical, biological) that may cause sickness, impair health, or cause significant discomfort to employees or residents of the community. PREREQ: PH 101-102 and organic chemistry or concurrent enrollment, environmental health major, or PERM/INST. Even-numbered years.

EH 442-442G HAZARDOUS WASTE MANAGEMENT (2-0-2)(S). Historical, regulatory and technical aspects of hazardous waste management, relating primarily to the requirements of the Resource Conservation and Recovery Act and the Comprehensive Environmental Reclamation, Compensation, and Liability Act.

EH 450-450G ENVIRONMENTAL HEALTH LAW (2-0-2)(S). Various aspects of environmental and health protection law are discussed, including sources of regulatory authority, legal procedures, agency roles, and specific statutes. Graduate students will complete extra assignments. PREREQ: Upper-division standing and environmental health major or PERM/INST. Even-numbered years.

EH 493 ENVIRONMENTAL HEALTH INTERNSHIP (0-V-V)(F/S). Three or more hours of internship per week in a business or governmental agency. The student works within the organization, keeps a record of the experience, and discusses these experiences at a seminar. PREREQ: Upper-division standing; recommendation of faculty advisor; consent of instructor. (Pass/Fail).

Health Information Management

Health information management concerns the application of techniques used in the development, implementation, and retention of health information. The associate degree program is a combination of clinical practice and study in areas such as classification systems, health data, record retention systems, and computerization of health data. Completion of the 2-year associate of science degree in health information technology makes students eligible for the national certification examination.

The associate degree program is accredited by the Committee on Allied Health Education and Accreditation of the American Medical Association, in cooperation with the Council on Education of the American Health Information Management Association.

The health information management (B.S.) curriculum provides a broad background in theory and administration of information. Students are trained to administer health information and solve problems in information technology. Students complete internships in health information in cooperation with facilities in the public or private sector.

Admission Requirements for the A.S. Degree

1. First Year
   A. Admission to BSU.
   B. Student must see a health information technology advisor.
   C. First-year GPA of 2.00 or higher.
2. Second Year
   A. Only students who have completed or are in the process of completing the first-year curriculum with a GPA of 2.00 or higher will be considered for acceptance into the second year of the program.
   B. Submit a negative tuberculosis report (PPD test) and documentation of Rubella immunity by September 1 of the sophomore year.

Pre-health information students should contact Patt Elison, Health Science Riverside or the office secretary, 208 385-1130, for advising information or to make an appointment.

Application Process for A.S. degree

1. Complete and return to the Health Information Management Program office a "Special Programs Application" on or before March 1.
2. Complete the interview process.
3. Submit $15.00 per academic year for name pin and lab fee, payable with academic lab fees.

Promotion and Graduation

1. Students must maintain a GPA of at least 2.00 in order to enter the second year of the program.
2. A grade of lower than C in any professional course (numbered H or MR) must be repeated and raised to C or higher before continuing in the program.

Degree Requirements

Health Information Technology
Associate of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course	3
Area II — see page 41 for list of approved courses	
Area II core course	3
Area III — see page 41 for list of approved courses	
Z 111-112 Human Anatomy and Physiology	8
Area III core course	4
H 101 Medical Terminology	3
H 202 Health Delivery Systems	3
H 211 Disease Conditions I	3
H 212 Disease Conditions II	3
H 213 Introduction to Health Law and Ethics	3

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Health Information Technology (continued)	
MR 115 Introduction to Health Records	3
MR 120 Introduction to Computers in Health Science	3
MR 201, 202 Health Information I and Lab	5
MR 203, 204 Health Information II and Lab	5
MR 205 Health Data	3
MR 207 Diagnostic and Operative Coding	3
MR 209 Health Record Transcription	2
*MR 215 Clinical Practice	2
*After the successful completion of the professional year at BSU, students will have a period of directed practice in an affiliated health facility.	
Total	65

Admission Requirements for the B.S. Degree

To be admitted to the bachelor of science degree program, each student must have met and satisfactorily completed all requirements for the associate degree in health information technology at BSU, or have an associate degree in health information technology, or have permission from the program director.

Of the credits listed below, 65 will have been completed in conjunction with the associate degree in health information technology.

Health Information Management
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Z 111-112 Human Anatomy and Physiology	8
Area III core course in a second field	4
Computer course (EN 102, IS 101, MR 120, or TE 208	3
Health science requirements	21
H 101 Medical Terminology	
H 202 Health Delivery Systems	
H 211-212 Disease Conditions I and II	
H 213 Introduction to Health Law and Ethics	
H 304 Public Health Administration	
H 480 Epidemiology	
Health information requirements:	32
MR 115 Introduction to Health Records	
MR 120, IS 101, EN 102 or TE 208 Computer Science	
MR 201, 202 Health Information I and Lab	
MR 203, 204 Health Information II and Lab	
MR 205 Health Data	
MR 207 Diagnostic and Operative Coding	
MR 209 Health Records Transcription	
MR 215 Clinical Practice	
MR 309 Introduction to Health Data Management	
MR 409 Health Data Research	

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Health Information Management (continued)	
General data courses selected from the following: BU 328 Business Communication B 300 Biology of Aging CM 307 Interviewing CM 351 Intercultural Communication CM 361 Organizational Communication **OR** CM 483 Studies in Organizational Communication CM/SO 390 Conflict Management H 498 Seminar IS 310 Introduction to Management Information Systems M 361 Probability and Statistics I MG 301 Management and Organizational Theory MG 305 Human Resource Management MG 401 Organizational Behavior MG 405 Management of Continuous Learning MR 493 Health Information Internship P 331 Psychology of Health PO 303 Introduction to Public Administration SO 310 Elementary Social Statistics	30
Total	128

Course Offerings

See page 53 for a definition of the course-numbering system.

MR HEALTH INFORMATION

Lower Division

MR 115 INTRODUCTION TO HEALTH RECORDS (3-0-3)(S). Principles of medical record technology, the professional organizations, medical record practitioners, and the content of the hospital chart.

MR 120 INTRODUCTION TO COMPUTERS IN HEALTH SCIENCE (3-0-3)(F,S). Word processing, database management, spread sheet analysis, and graphical presentation of health science information. The acquisition of information on selected topics requiring the use of microcomputers in health information management and medical informatics. PREREQ: Majors only or PERM/INST.

MR 201 HEALTH INFORMATION I (3-0-3)(F). Preparation, analysis, preservation, and retrieval of health information manually and by computer. The value of this information to the patient, the doctor, and the community. PREREQ: MR 115. COREQ: MR 202.

MR 202 HEALTH INFORMATION I LABORATORY (0-4-2)(F). Practice in the various methods of numbering, filing, and retrieving health records manually and by computer. COREQ: MR 201.

MR 203 HEALTH INFORMATION II (3-0-3)(S). Quality assurance, basic principles of supervising and managing a medical record department, and communication theory and practices for medical record professionals. PREREQ: MR 201. COREQ: MR 204.

MR 204 HEALTH INFORMATION II LABORATORY (0-4-2)(S). Applications in quality assurance, management, and communication principles. Observation of record-keeping practices in nonhospital settings and continued computer activities. COREQ: MR 203.

MR 205 HEALTH DATA (3-0-3)(S). Collection and presentation of routine data for daily, monthly, and annual hospital statistical reports. Formulas, preparation of birth certificates, and abstracting data for the computer. PREREQ: PERM/INST.

MR 207 DIAGNOSTIC AND OPERATIVE CODING (3-0-3)(F). Principles and practice in coding diseases and operations according to International Classification. Other systems of coding and methods of indexing included. PREREQ: PERM/INST.

MR 209 HEALTH RECORD TRANSCRIPTION (0-4-2)(S). Machine transcription of histories, physical examinations, operations, and other medical dictation. Typing ability is required. PREREQ: H 101.

MR 215 CLINICAL PRACTICE (0-V-2). Following completion of all other program requirements, students spend 120 hours in medical record departments of affiliated health facilities demonstrating their proficiency in the various areas of medical record technology. (Pass/Fail.)

Upper Division

MR 309 INTRODUCTION TO HEALTH DATA MANAGEMENT (3-0-3)(F/S). Issues of health database management. Includes medical data systems and software, patient information systems, health agency systems, case mix management systems, and other specialized health information systems. Special attention to current applications of database in health care delivery. PREREQ: MR 210, EN 102, IS 101, TE 208 or PERM/INST.

MR 409 HEALTH DATA RESEARCH (3-0-3)(F/S). Applied research issues and procedures. Issues in health database management: research design, validity and reliability, data set design and manipulation, database security, and protection, retrieval programming, and statistical output. PREREQ: Upper-division standing and one of the following MR 120, EN 102, IS 101, TE 208, or PERM/INST.

MR 493 HEALTH INFORMATION INTERNSHIP (1-4-3)(F/S). An internship in a health data area under the direction of a preceptor who is a practicing professional. Student keeps a record of experiences and discusses them at a weekly one-hour seminar. PREREQ: Upper-division standing; recommendation of faculty advisor; consent of instructor. (Pass/Fail).

Degree Requirements

Health Science Studies
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field (Strongly recommended: P 101 General Psychology, SO 101 Introduction to Sociology, CM 111 Fundamentals of Speech Communication)	3
Area III — see page 41 for list of approved courses	
C 131, 132, 133, 134 College Chemistry and Labs **OR** C 107, 108, 109, 110 Essentials of Chemistry and Labs	8-9
M 111 Algebra and Trigonometry **OR** M 106 Mathematics for Business Decisions	4-5
BT 130 General Botany **AND** Z 230 General Zoology **OR** Z 111-112 Human Anatomy and Physiology	8-9
H 101 Medical Terminology	3
H 202 Health Delivery Systems	3
H 207 Nutrition	3
H 413 Introduction to Health Law and Ethics	3
H 480 Epidemiology	3
Health science courses (3 courses from the following) H 109 Drugs: Use and Abuse H 160 Lifetime Fitness and Wellness H 211-212 Disease Conditions I and II H 214 or 414 Assessment of Alcohol and Drug Problems H 220 Cardiopulmonary Renal Physiology H 300 Pathophysiology H 304 Public Health Administration H 306 Applied Pharmacotherapeutics H 449 Counseling Techniques for Health Professionals	9-10
Statistics course chosen from: M 120 Applied Statistics with the Computer **OR** P 295 Statistical Methods **OR** SO 310 Elementary Social Statistics	3-4
Emphasis — select one: science or general health science Students should consider completing a formal minor to fulfill part of an emphasis.	39-41

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Health Science Studies (continued)	
Science emphasis (natural/physical/and mathematics) B 205 Microbiology or B 303 General Bacteriology B 301 Cell Biology B 310 Pathogenic Bacteriology B 343/344 Genetics B 412 General Parasitology B 420 Immunology C 211-212 Analytical Chemistry I and Lab C 317, 319/ 318, 320 Organic Chemistry and Lab C 321/324 Physical Chemistry C 431/432 Biochemistry with Laboratory CS 113 Introduction to Pascal or CS 115 Introduction to C H 493 Internship H 498 Senior Seminar M 204 Calculus and Analytic Geometry PH 101-102 General Physics PH 207 Biophysics Z 301 Comparative Anatomy Z 351 Vertebrate Embryology Z 400 Histology Z 401 Human Physiology Z 409 General and Comparative Physiology (Or other courses as approved by the advisor and department chair)	
General health emphasis AC 205 Introduction to Financial Accounting AC 206 Introduction to Managerial Accounting B 205 Microbiology B 300 Biology of Aging C 317, 319/318, 320 0organic Chemistry and Lab CM 251 Communication in the Small Group CS 113 Introduction to Pascal CS 115 Introduction to C E 202 Technical Communication EC 205 Principles of Microeconomics EC 206 Principles of Macroeconomics EC or PO 310 Public Finance H 410 Health and Aging H 445 Alcohol/Drug Abuse and the Family H 493 Internship H 498 Senior Seminar M 204 Calculus and Analytic Geometry MK 301 Principles of Marketing MG 301 Management and Organization Theory MG 305 Human Resource Management P 225 Physiological Psychology P 301 Abnormal Psychology P 313 Psychology of Aging P 331 The Psychology of Health PE 230 Applied Anatomy PE 310, 312 Exercise Physiology and Lab PE 351, 352 Kinesiology and Lab PE 405 Consumer Health PH 101, 102 General Physics PO 303 Introduction to Public Administration SO 325 Sociology of Aging SO 340 Sociology of the Family SO 390 Conflict Management **OR** CM 390 Conflict Management SW 433 Aging: Social Policy and Programs (Or other courses as approved by the advisor and department chair.)	
Electives to total 128 credits	5-12
Total	128

NOTE: Health science students must earn at least a grade of C in all health (H) courses and all courses in their emphasis.
Students who intend to apply to colleges of medicine, dentistry or veterinary medicine should consider taking C 317, 318, 319, 320 and PH 101, 102.

Course Offerings

See page 53 for a definition of the course-numbering system.

H HEALTH SCIENCE

Lower Division

H 100 INTRODUCTION TO ALLIED HEALTH (1-0-1)(F). Various allied health disciplines and their clinical functions are discussed. Information on basic educational requirements, opportunities, and advancement for each discipline of health care delivery. Lectures by allied health faculty and guest speakers from the medical community. Orientation to allied health care in clinical facilities.

H 101 MEDICAL TERMINOLOGY (3-0-3)(F/S). Introduction to Greek and Latin prefixes, suffixes, combining forms and roots used in medical terminology, as well as the study of anatomical, physiological, and pathological terms, clinical procedures, abbreviations, and lab tests according to systems of the body. Medical terminology is treated as a medical language and clinical application is stressed.

H 109 DRUGS: USE AND ABUSE (3-0-3)(F/S). An introductory course which deals with the basic medical, social, and psychopharmacological considerations related to the use of therapeutic and non-therapeutic (recreational) drugs.

H 138 WEIGHT MANAGEMENT (1-0-1)(F/S). A healthy approach to weight loss is presented. Students will learn to self-monitor their progress toward attainment of ideal weight using a simple 100-point scoring system. Behavioral changes in the areas of nutrition and exercise are facilitated by an optional support group composed of class members. Pass/Fail. May be taken for physical education credit or health science credit (PE 138), but not both.

H 139 STRESS MANAGEMENT (1-0-1)(F/S). A series of exercises are presented to help students identify the various sources of stress in their lives, expand their repertoire of appropriate stress management techniques, and develop an action plan for the effective management of stress. Behavioral changes which facilitate stress management are reinforced by an optional support group composed of class members. Pass/Fail. May be taken for physical education credit or health science credit (PE 139), but not both.

H 140 PREPARING FOR DRUG FREE YEARS (1-0-1)(F/S). An alcohol/drug education program that empowers parents of children age 9-12 to reduce the risk that their children will develop alcohol/drug problems. Program is based on contemporary research which shows parents can make a difference. Pass/Fail. May be taken for physical education credit or health science credit (PE 140), but not both.

H 160 LIFETIME FITNESS AND WELLNESS (3-2-4)(F/S). A survey of contemporary fitness and wellness related issues. Emphasis is on providing an understanding of basic concepts that are essential for knowledgeable decision-making. Topics include mental health, stress, fitness, nutrition, drug use/abuse, disease, and aging. Laboratory experiences stress lifestyle changes and an opportunity to set and achieve personal goals. May be taken for health science credit or physical education credit (PE 160), but not for both.

H 202 HEALTH DELIVERY SYSTEMS (3-0-3)(F,S). Consideration of processes, professionals, politics, programs, laws, and institutions which are involved in the maintenance of health and treatment of disease.

H 206 NURSING SKILLS FOR HEALTH CARE PERSONNEL (1-0-1)(F). Nursing skills as they pertain to individuals working in a health care setting, to include collecting patient vital signs, body positioning and mechanics, medical and surgical asepsis, and medication preparation. PREREQ: Admission to radiological sciences or respiratory therapy program.

H 207 NUTRITION (3-0-3). Study of fundamentals of nutrition as a factor in maintaining good health. Present day problems in nutrition are also discussed. Previous or concurrent enrollment in C 107-108 and Z 111 is suggested.

H 211-212 DISEASE CONDITIONS I AND II (3-0-3)(F/S). Introduction to the general principles of disease. Etiology, signs, symptoms, treatment, and management of diseases that affect individual organs in the various body systems. PREREQ: H 101. Sequence beginning fall semester.

H 213/413 INTRODUCTION TO HEALTH LAW AND ETHICS (3-0-3)(F,S). Study of the basic legal and ethical concepts considered to be essential in the care of clients by health providers, including informed consent, patient rights, and the role of professional codes of ethics. Upper-division students will complete extra assignments.

H 214/414 ASSESSMENT OF ALCOHOL AND DRUG PROBLEMS, PART I (3-0-3)(F). Emphasis on issues relating to alcohol/drug dependency and approaches to diagnosis and/or assessment. Legal, social, and health implications will also be considered.

H 215/415 ASSESSMENT OF ALCOHOL AND DRUG PROBLEMS, PART II (3-3-4)(S). Clinical application of concepts and principles presented in Part I. Students will practice techniques of assessment/diagnosis of alcohol/drug problems. Limited enrollment. PREREQ: H 214/414 or PERM/INST.

H 216 LABORATORY VALUES (1-0-1)(F). Introduction to the clinical significance of selected laboratory tests. PREREQ: PERM/INST.

H 220 CARDIOPULMONARY RENAL PHYSIOLOGY (3-0-3)(F). Normal and clinical physiological functions of the pulmonary, circulatory and renal systems. PREREQ: Z 111-112.

Upper Division

H 300 PATHOPHYSIOLOGY (4-0-4)(F). Emphasis on dynamic aspects of human disease. Disruption of normal physiology and alterations, derangements, and mechanisms involved. PREREQ: C 107, 108 or equivalent and Z 111, 112 or equivalent.

H 304-304G PUBLIC HEALTH ADMINISTRATION (3-0-3)(F/S). Functions of local, state, and federal health agencies, and factors which have an impact on agency programs. Those students registered for graduate credit will complete extra work. PREREQ: Upper-division standing and college of health science major or PERM/INST.

H 306 APPLIED PHARMACOTHERAPEUTICS (3-0-3)(F/S). Emphasis on use of drugs in relation to health and illness in any setting, on legal aspects, and on patient education. Students will be expected to use prerequisite information in pathophysiology to study drugs and their inter-system relationships. Fall offering, by computer-assisted program, is for RNs only. PREREQ: H 300 or PERM/INST.

H 410 HEALTH AND AGING (3-0-3)(F). Course will focus on major health problems and issues of the elderly. It will include discussion of: 1) the continuity of care for the older person; 2) the organizations and personnel providing care; and 3) the agencies involved with licensure, certification, or other types of regulations for health care providers. The course will include some discussion of nontraditional health centers for the older person, for example, work site, community, social organizations, and senior centers. PREREQ: Upper-division standing or PERM/INST.

H 445-445G ALCOHOL/DRUG ABUSE AND THE FAMILY (3-0-3)(F,S). An examination of the effects of chemical abuse on the family system. Included are the roles family members assume to accommodate the chemically dependent person, and the financial and emotional costs to the entire family. Special attention is given to intervention and other treatment approaches.

H 449-449G COUNSELING TECHNIQUES FOR HEALTH PROFESSIONALS (3-0-3)(F). Counseling techniques for health professionals. Topics to include interviewing and questioning techniques, client observation and influencing skills, and ethics. Special emphasis is given to confrontation techniques which can help break through the denial system of patients and help determine sound treatment plans. PREREQ: Upper-division or graduate standing.

H 480-480G EPIDEMIOLOGY (3-0-3)(S). Study of the distribution of disease or physiological conditions of humans and of factors which influence this distribution. Those students registered for graduate credit will complete extra work. PREREQ: Upper-division standing, college of health science major or PERM/INST, and statistics or MR 205.

H 493 PREPROFESSIONAL INTERNSHIP (Variable credit). Internship opportunities in health sciences are available through the department. PREREQ: Upper-division standing, cumulative GPA above 3.25, recommendation of faculty advisor, and PERM/INST. (Pass/Fail).

H 498-499 SEMINAR (1-0-1 or 2-0-2)(F/S). Presentation of selected health science topics under faculty direction. 1 or 2 credits.

Alcohol and Drug Studies Minor

Advisor: Dr. Sara La Riviere — Telephone 208 385-3929
Health Science Riverside

Alcohol and Drug Studies Minor

Course Number and Title	Credits
H 109 Use and Abuse of Drugs	3
H 214/414 Assessment of Alcohol/Drug Problems I	3
H 215/415 Assessment of Alcohol Drug Problems II	4
H 445 Alcohol/Drugs and the Family	3
PE 100 Health Education	3
SO 435 Drugs in Societal Context	3
Two of the following: H 449 Counseling Techniques for Health Professionals P 212 Adolescent Psychology P 301 Abnormal Psychology P 313 Psychology of Aging P 331 Psychology of Health	6
Total	25

Pre-Professional Studies

Pre-professional studies is designed for students who need to have undergraduate studies prior to applying to a professional school, including students who have declared a major in pre-medicine, pre-dental, pre-dental hygiene, pre-dietetics, pre-occupational therapy, pre-optometry, pre-pharmacy, pre-physical therapy, pre-veterinary medicine, pre-chiropractic, pre-physician assistant, or medical technology.

In view of the specialized nature of each program, the student should seek regular counsel with the advisor who has been designated for his or her major field of interest.

Students need to be aware of deadlines established by professional schools and testing organizations. Admissions examinations (such as the Medical College Admission Testing, Dental Admission Testing, Dental Hygiene Aptitude Testing, Pharmacy College Admission Testing, the Veterinary Aptitude Test, Allied Health Professions Admission Test, the Graduate Record Exam, etc.) must be taken at specific times. These examinations may or may not be administered on the BSU campus. Deadlines for applying to professional schools vary yearly from school to school. Students are responsible for determining the specific deadlines and fees which pertain to their field of interest.

In addition to academic course work, the pre-professional studies students have opportunities to work in a clinical environment and observe at first hand the practice and delivery of health care.

Qualified students may register for an internship. These students work and study in a clinical environment with a practicing physician, dentist, or veterinarian. To register for an internship, students must have upper-division standing, cumulative GPA above 3.25, approval of the advisor, and consent of the instructor. See the course description for H 493 Internship.

Information is available from advisors concerning state-supported tuition programs for qualified Idaho residents to professional schools outside the state of Idaho. These programs are:

1. WAMI (Washington-Alaska-Montana-Idaho) for medical school
2. Idaho contract with the University of Utah for medical school
3. IDEP (Idaho Dental Education Program) for dental school
4. WOI (Washington-Oregon-Idaho) for veterinary medicine school
5. WICHE (Western Interstate Consortium of Higher Education) for schools of optometry and occupational therapy.

Pre-Medical and Pre-Dental Information

Students planning on gaining admission to medical or dental school must successfully combine an academic major with the specific prerequisite requirements of the professional school they wish to attend. Most medical and dental schools provide substantial latitude in the academic majors that students may pursue at the baccalaureate level; for this reason, students are encouraged to select degrees other than the pre-medical or pre-dental degrees listed below. Students must work closely with their pre-medicine or pre-dental advisor to successfully and efficiently meet both the academic requirements of the major they select and the professional school requirements. Most medical/dental school applicants have earned a baccalaureate degree prior to acceptance into professional school. The prerequisite courses required by most medical/dental schools include, but are not limited to the following: E 101, 102 English Composition; C 131, 132, 133, 134 College Chemistry and Labs; Z 230 General Zoology; BT 130 General Botany; PH 101, 102 General Physics; and C 317, 318, 319, 320 Organic Chemistry and Labs.

Students should consult either the *Medical School Admission Requirements* handbook or the *Admission Requirements of U.S. and Canadian Dental Schools* handbook for requirements specific to their professional school of interest.

Pre-Medical and Pre-Dental Advisor Information Students with general questions and pre-medical and pre-dental students who have not completed the C 131, 132, 133, 134 College Chemistry series should contact Glenda Hill, 208 385-3832, Health Science Riverside.

Pre-medical students who have completed the C 131, 132, 133, 134 College Chemistry series and who are pursuing a biology related degree track should contact Dr. Eugene Fuller, 208 385-1321, Science-Nursing Building, Room 211.

Pre-dental students who have completed the C 131, 132, 133, 134 College Chemistry series should contact Dr. Charles Baker, 208 385-3499, Science-Nursing Building, Room 226.

Degree Requirements

Pre-Dental Studies, Biology Option
Pre-Medicine Studies, Biology Option
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
P 101 General Psychology	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
B 301 Cell Biology	3
B 303 General Bacteriology	5
B 343, 344 Genetics with or without Lab	3-4
BT 130 General Botany	4
C 131, 132, 133, 134 College Chemistry and Labs	9
*C 317, 318, 319, 320 Organic Chemistry and Labs	8-10
C 431, 432 Biochemistry with or without Lab	3-4
M 111 Algebra and Trigonometry M 204 Calculus and Analytic Geometry	10
PH 101, 102 General Physics	8
Z 230 General Zoology	5
Z 301 Comparative Anatomy	4
Z 351 Vertebrate Embryology	4
Z 400 Vertebrate Histology	4
Z 401 Human Physiology **OR** Z 409 General and Comparative Physiology	4
**Electives to total 128 credits	20-24
Total	128

* Pre-dental students must earn at least 8 credits. Pre-medical students must earn at least 10 credits.
** Additional upper-division credits so that upper-division credits total at least 40.

Pre-Dental Studies, Chemistry Option
Pre-Medical Studies, Chemistry Option
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
P 101 General Psychology	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
B 301 Cell Biology	3
B 343, 344 Genetics, with or without lab	3-4
BT 130 General Botany	4
C 131, 132, 133, 134 College Chemistry and Labs	9
C 317, 318, 319, 320 Organic Chemistry and Labs	10
C 431,432 Introduction to Biochemistry **OR** C 211,212 Analytical Chemistry I and Lab	4-5
C 321, 324 Physical Chemistry	8
C 411 Analytical Chemistry II	4
C 496 Chemistry Independent Studies	2
C 499 Chemistry Seminar	2
M 111 Algebra and Trigonometry	5
M 204, 205 Calculus and Analytic Geometry	9
M 324 Multivariable and Vector Calculus	4
PH 101, 102 General Physics	8
Z 230 General Zoology	5
Z 301 Comparative Anatomy	4
Z 351 Vertebrate Embryology	4
*Electives to total 128 credits	8-10
Total	128

* Additional upper-division credits so that upper-division credits total at least 40.

Pre-Veterinary Medicine

Advisor: Dr. Russell J. Centanni — Telephone 208 385-3504
Science-Nursing Building, Room 212

The states of Idaho and Washington have an agreement under which a number of places in the Washington State University School (WSU) of Veterinary Medicine are guaranteed each year to qualified Idaho residents. Idaho residents who plan on veterinary medicine as a career should satisfy the entrance requirements for the WSU School of Veterinary Medicine. Students should seek regular counseling from the pre-veterinary medicine advisor. Student must maintain either at least 3.20 overall GPA, at least 3.30 GPA the last 45 credits, and at least a 3.30 GPA in the prerequisite core requirements. Candidates with the greater depth and breadth of academic background are given preference by WSU.

Students should take either the Graduate Record Examination (GRE) or the Veterinary Aptitude Test (VAT) in October of the year in which they apply to enter the WSU School of Veterinary Medicine.

Veterinary medicine is an animal-oriented profession; therefore, an applicant's experience in working with animals and an understanding of the veterinary profession are viewed by professional schools' admissions committees as important considerations in the selection process.

Pre-Veterinary Medicine
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
B 301 Cell Biology	3
B 303 General Bacteriology	5
B 343 Genetics	3
BT 130 General Botany	4
C 131, 132, 133, 134 College Chemistry and Labs	9
C 317, 318, 319, 320 Organic Chemistry and Labs	10
C 431, 432 Biochemistry	4
M 111 Algebra and Trigonometry	5
M 204 Calculus and Analytic Geometry	5
PH 101, 102 General Physics	8
Z 230 General Zoology	5
Upper-division electives to total 40 credits	25
Electives	12
Total	128

NOTES: WSU now requires one semester each of algebra and trigonometry, organic chemistry, and general physics. However, two semesters are still needed to satisfy BSU degree requirements.

Medical Technology

Advisors: Dr. Robert Ellis — Telephone 208 385-3478
Glenda C. Hill — Telephone 208 385-3832

Medical technologists perform many routine and specialized tests in the clinical laboratory to develop data for use in determining the presence and extent of disease, as well as implications as to the cause of disease. Medical technologists work in areas of hematology, serology and immunology, chemistry, blood banking, microbiology and parasitology, urinalysis, histology, and cytology.

A criterion for admission to many professional schools of medical technology is a bachelor of science degree. When in operation, the professional school at St. Alphonsus Regional Medical Center requires such a degree. The bachelor of science degree in health science studies satisfies this requirement. Other medical technology programs have specific prerequisite requirements, but do not require a bachelor's degree prior to admission.

Students are responsible for applying directly to hospital schools for admission to a professional program in medical technology. Upon admission to a hospital school affiliated with BSU and approved and accredited by CAHEA, students may register for and earn an additional 32 credits for MT 487, 488, 489 Medical Technology Clinical Class and Practice, and apply for a bachelor of science degree in medical technology.

Medical Technology
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
B 301 Cell Biology	3
B 303 General Bacteriology	5
B 310 Pathogenic Bacteriology	4
B 420 Immunology	3
BT 130 General Botany	4
C 131, 132, 133, 134 College Chemistry and Labs	9
C 317, 319 Organic Chemistry and Labs	5
*C 431, 432 Biochemistry and Laboratory * Two semesters of Biochemistry C 431, 432, 433 (7 credits) are recommended.	4
H 202 Health Delivery Systems	3
Health science electives	8
M 111 Algebra and Trigonometry	5
Z 230 General Zoology	5
Z 401 Human Physiology	4
Electives to total 128 credits	4
Adjunctive Clinical Faculty St. Alphonsus Regional Medical Center Sandy Perotto, Medical Technology Education Training Coordinator Frank Roberts, Pathologist **NOTE: a 1997-1998 class will not be conducted** **MT 487, 488, 489 MEDICAL TECHNOLOGY CLINICAL CLASS AND PRACTICE** A 12-month course of study of the following subjects, taught as part of the hospital program: Hematology, Clinical Bacteriology, Clinical Parasitology, Urinalysis, Clinical Chemistry, Immunohematology, Serology-Immunology, Toxicology, Clinical Mycology, Clinical Correlations Seminar	32
Total	128

Course Offerings

See page 53 for a definition of the course-numbering system.

MT MEDICAL TECHNOLOGY

MT 201 BASIC MEDICAL TECHNOLOGY (2-0-2)(S). Introduction to the basic aspects of theory and practice encountered in medical technology. Even-numbered years.

MT 487 CLINICAL CLASS AND PRACTICE (76 hours per semester-324 hours per semester-8 CR)(SU)(second session). Clinical instruction in a hospital school approved and accredited by CAHEA. PREREQ: Acceptance by a hospital school accredited by CAHEA.

MT 488 CLINICAL CLASS AND PRACTICE (153 hours per semester-647 hours per semester-12 CR)(F). Clinical instruction in a hospital school approved and accredited by CAHEA. PREREQ: Acceptance by a hospital school accredited by CAHEA.

MT 489 CLINICAL CLASS AND PRACTICE (153 hours per semester-218 hours per semester-12 CR)(S). Clinical instruction in a hospital school approved and accredited by CAHEA. PREREQ: Acceptance by a hospital accredited by CAHEA.

Nondegree Programs

A number of health-related nondegree programs are available at BSU. Each is described below.

Pre-Chiropractic

Advisor: Dr. Russell J. Centanni Telephone 208 385-3504
Science-Nursing Building, Room 212

The 2-year pre-chiropractic program satisfies the minimum requirements of most chiropractic institutions in the country. Students must maintain a minimum 2.50 GPA for consideration by chiropractic schools. Internships are available with local chiropractors; for more information, see the course description for H 493 Internship.

Pre-Chiropractic

Course Number and Title	Credits
E 101, 102 English Composition	6
P 101 General Psychology Area II core course in social science	3 3
Humanities or social science electives	12
C 131, 132, 133, 134 College Chemistry and Labs C 317, 318, 319, 320 Organic Chemistry and Lab	9 10
M 111 Algebra and Trigonometry	5
PH 101, 102 General Physics	8
Z 111, 112 Human Anatomy and Physiology	8
Total	64
Suggested electives: B 205 Microbiology, CM 111 Fundamental of Speech Communication, GB 101 Introduction to Business, H 101 Medical Terminology, H 202 Health Delivery Systems, H 207 Nutrition, H 493 Pre-professional Internship, and Z 301 Comparative Anatomy.	

Pre-Dietetics

Advisor: Dr. Elaine M. Long Telephone 208 385-3260
Health Science Riverside

Pre-Dietetics

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I core courses	6
EC 205 Principles of Microeconomics **OR** EC 206 Principles of Macroeconomics P 101 General Psychology SO 101 Introduction to Sociology	3 3 3
AC 205 Introduction to Financial Accounting	3
B 205 Microbiology	4
C 107, 108, 109, 110 Essentials of Chemistry and Labs	9
E 202 Technical Communication	3
H 207 Nutrition	3
M 108 Intermediate Algebra M 120 Applied Statistics with the Computer	4 4
Z 111-112 Human Anatomy and Physiology	8
Elective (consult with your advisor)	3
Total	65

Pre-Dental Hygiene

Advisor: Rudy Andersen, D.D.S. Telephone 208 385-1787
Health Science Riverside

A career in dental hygiene requires either an associate degree or a bachelor of science degree in dental hygiene. Students may take the first two years of general education courses at BSU and then apply for admission to professional school. The program suggested here is based upon the prerequisites at Idaho State University. Students should consult an advisor and pattern their program at BSU on the requirements of the specific professional school to which they expect to apply.

Pre-Dental Hygiene

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I core courses	6
CM 111 Fundamentals of Speech Communication P 101 General Psychology SO 101 Introduction to Sociology Area II core (history, economics, or anthropology)	3 3 3 3
B 100 Concepts of Biology B 205 Microbiology	4 4
C 107, 108, 109, 110 Essentials of Chemistry and Labs	9
H 100 Introduction to Allied Health H 207 Nutrition	1 3
M 108 Intermediate Algebra **OR** M 111 Algebra and Trigonometry M 120 Applied Statistics with the Computer	4-5 4
Z 111, 112 Human Anatomy and Physiology	8
Total	52-53
NOTE: Students should take Dent 201 Principles of Dental Hygiene (a 2 credit telecourse from ISU) in the fall of their sophomore year.	

Pre-Occupational Therapy

Advisor: Glenda C. Hill Telephone 208 385-3832
Health Science Riverside

Occupational therapy schools differ considerably in their pre-professional requirements. A minimum of two pre-professional years is required, more in the case of some schools. A student interested in this career is advised to consult the advisor, determine which of the several schools would be the student's choice, and pattern the pre-professional curriculum in line with the requirements of the desired school.

Pre-Occupational Therapy

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I core courses (determined by professional school)	6-12
CM 111 Fundamentals of Speech Communication P 101 General Psychology SO 101 Introduction to Sociology Area II core course (determined by professional school)	3 3 3 3-6
B 100 Concepts of Biology	4
H 101 Medical Terminology	3
M 108 Intermediate Algebra **OR** M 111 Algebra and Trigonometry Depends on math requirements at professional school	4-5

— continued —

Pre-Occupational Therapy (continued)	
P 295 Statistical Methods P 301 Abnormal Psychology Developmental Psychology (options vary)	3 3
Z 111, 112 Human Anatomy and Physiology	8
Other recommended courses depend on the selected professional occupational therapy school. Prerequisites: C 107, C 108, PH 101, AR 105, AR 106 AR 123, AR 225 or other applied art courses.	
Total	

Pre-Optometry

Advisor: Dr. Conrad Colby — Telephone 208 385-3383
Health Science Riverside

Students interested in preparing for optometry training should take science courses and laboratories designed for science majors. Brief survey courses in the sciences will not prepare a student for the schools and colleges of optometry.

Although a minimum of two years of pre-optometry study is required, most students accepted by a school or college of optometry have completed three years in an undergraduate college. A large percentage of students accepted by the schools and colleges of optometry have earned a baccalaureate degree.

The requirements for admission to the schools and colleges of optometry vary. Students should write to the optometry schools of their choice for a list of specific courses. However, all optometric schools and colleges require at least two years of pre-optometric study, as shown below.

Pre-Optometry

Course Number and Title	Credits
E 101, 102 English Composition	6
B 205 Microbiology	4
C 131, 132, 133, 134 College Chemistry and Labs C 317, 319 Organic Chemistry and Lab	9 5
M 111 Algebra and Trigonometry M 204 Calculus and Analytic Geometry	5 5
Z 111, 112 Human Anatomy and Physiology Z 230 General Zoology **OR** BT 130 General Botany	8 5 4
PH 101, 102 General Physics	8
Total	59

Additional courses that may be needed for the pre-optometric program:

Psychology	Differential Calculus	Comparative Anatomy
Philosophy	Art History	Statistics
Organic Chemistry	Social Science	Analytic Geometry
Bacteriology	Literature	Integral Calculus
Physiology	Microbiology	Introduction to Theatre
Algebra and Trigonometry		

Pre-Pharmacy

Advisor: Dr. Robert Ellis — Telephone 208 385-3478
Science-Nursing Building, Room 314

BSU students who wish to receive a doctorate of pharmacy (Pharm. D.) usually plan to take their pre-professional courses at BSU and then apply for admission to the College of Pharmacy at Idaho State University (ISU). The pharmacy program consists of two years of preparatory studies followed by four years in the College of Pharmacy at ISU. The curriculum outlined below is based on the minimum requirements of ISU. Students who intend to apply to pharmacy schools other than ISU are advised to consult the pre-pharmacy advisor and pattern their curriculum after that of the school to which they expect to transfer. The suggested English, Area I, and Area II credits apply toward the 30 semester credits required by the American Council on Pharmaceutical Education in oral and written communication, humanities, and social sciences.

Pre-Pharmacy

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I core courses	6-12
CM 111 Fundamentals of Speech Communication EC 206 Principles of Macroeconomics Area II core course	3 3 6-12
B 205 Microbiology	4
C 131, 132, 133, 134 College Chemistry and Labs C 317, 318, 319, 320 Organic Chemistry and Labs	9 10
M 111 Algebra and Trigonometry *M 204 Calculus and Analytic Geometry * When possible, it is desirable to take M 204 the first semester.	5 5
PH 101, 102 General Physics	8
Z 230 General Zoology	5
Total	64

Pre-Physical Therapy

Advisor: Glenda C. Hill — Telephone 208 385-3832
Health Science Riverside

The curriculum listed below is designed for students interested in a professional career in physical therapy. Physical therapy schools can differ significantly in their pre-professional requirements. Therefore, students interested in transferring to a physical therapy program should consult the advisor, determine physical therapy programs of interest, and pattern their specific pre-professional curriculum in line with these schools.

Because of the highly competitive nature of admittance into physical therapy programs, along with the transition to an increasing number of master's entry-level physical therapy programs, students should anticipate earning a baccalaureate degree before being accepted into a professional program. As with medicine, physical therapy programs provide substantial latitude in the academic major selected at the bachelor's level.

The curriculum listed below indicates commonly required physical therapy prerequisites. Degree requirements, along with prerequisites specific to individual physical therapy programs of interest, will need to be added.

Pre-Physical Therapy

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I (Refer to requirements of major and professional school requirements.)	3
CM 111 Fundamentals of Speech Communication P 101 General Psychology SO 101 Introduction to Sociology other Area II (Refer to additional requirements of major and professional school requirements.)	3
B 100 Concepts of Biology	4
C 131, 132, 133, 134 College Chemistry and Labs	9
M 111 Algebra and Trigonometry	5
P 295 Statistical Methods P 301 Abnormal Psychology	3 3
PH 101, 102 General Physics	8
Z 111, 112 Human Anatomy and Physiology	8
Total	34

Other suggested courses: C 317, 319 Organic Chemistry and Lab, B 205 Microbiology, PE 230, 231 Applied Anatomy and Lab, PE 310, 312 Exercise Physiology and Lab, PE 351, 352 Kinesiology and Lab, Computer class. Upper-division biology, core electives and other selected courses should be chosen with respect to meeting the requirements of the student's major and the school to which the student expects to transfer.

Pre-Physician Assistant

Advisor: Glenda C. Hill
Health Science Riverside
Telephone 208 385-3929

Physician assistants are taught at educational programs located primarily in university schools of medicine and allied health. Most physician assistant programs require 21 to 24 months to complete, although programs vary in length. Most programs require applicants to have completed two years of college prior to admission and to have had previous health care experience.

Prerequisite course requirements vary from school to school. Students are encouraged to consult with their advisor, determine which physician assistant programs are of interest, and pattern their course work to fulfill these specific program requirements.

In order to be licensed in Idaho, physician assistants must have a baccalaureate degree. The health science studies degree (see department of health studies) is very compatible with the requirements of most physician assistant professional schools.

Pre-Physician Assistant

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I (depends on requirements of professional school)	6-12
Area II (depends on requirements of professional school) Suggested courses: CM 111, P 101, SO 101	6-12
B 100 Concepts of Biology **OR** Z 230 General Zoology B 205 Microbiology	4-5 4
C 107, 108, 109, 110 Essentials of Chemistry and Labs **OR** C 131, 132, 133, 134 College Chemistry and Labs C 317, 319, Organic Chemistry and Lab may be required or recommended.	8-9
H 101 Medical Terminology	3
M 108 Intermediate Algebra **OR** M 111 Algebra and Trigonometry Depends on math requirements at professional school	4-5
P 301 Abnormal Psychology P 295 Statistical Methods	3 3
Z 111, 112 Human Anatomy and Physiology	8
Total	55-76

Department of History

Albertsons Library, Room 192
http://www.idbsu.edu:80/history
e-mail: histadm@sspafac.idbsu.edu
Telephone 208 385-1255
Fax 208 385-4058

Chair and Professor: Errol Jones. *Professors:* Buhler, Fletcher, Odahl, Shallat, Sims, Vinz, Zirinsky. *Associate Professors:* Lundy, Schackel. *Assistant Professors:* Casner, Miller, Woods.

Director of Graduate Studies and Professor: Michael Zirinsky
Director of Classical Languages and Professor: Charles Odahl.

Degrees Offered

- B.A. in History
- B.A. in History, Secondary Education
- M.A. in History (See the *BSU Graduate Catalog.*)
- Minor in Latin Languages and Literature
- Minor Certification Endorsement in Latin

Department Statement

The department of history offers two baccalaureate degree programs: history, bachelor of arts (45 hours of history) and history, secondary education, bachelor of arts (45 hours of history; 32-38 hours of state teacher certification requirements). The history, bachelor of arts degree helps students prepare for either graduate study in history or careers related to history; in addition, it provides a broad liberal arts training. The history, secondary education, bachelor of arts degree prepares students for teaching careers.

Students majoring in history, bachelor of arts, and history, secondary education, bachelor of arts are required to take 27 credits of upper division history course work distributed as follows: a seminar of 3 credits, twelve credits in major field of emphasis, 6 credits in one minor field and 6 credits in another minor field. There are three history fields each representing one of the following geographic regions: 1) United States and Canada, 2) European, 3) regional history which includes Asia, Africa, Latin America, and the Middle East. (Note that HY 210 Introduction to the Study of History is a department requirement and must be passed with a grade of 'C' or better). Specific requirements for each degree are listed below.

The department also offers course work in classical languages and literature, with a 29-hour academic minor in Latin language and literature and a 20-hour minor certification endorsement for teaching Latin in secondary schools.

Degree Requirements

History
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
PO 101 American National Government	3
Area II core course in history	3
Area II core course in a second field	3
Area II core course in any field, except history	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4

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History (continued)	
Additional Area I and II courses	9
HY 101/201 History of Western Civilization	3
HY 102/202 History of Western Civilization	3
HY 105 Eastern Civilizations	3
HY 151/251 U. S. History	3
HY 152/252 U. S. History	3
*HY 210 Introduction to the Study of History *Must be completed with a grade of 'C' or better	3
One year of college level foreign language in sequence Language equivalency required by the history department will be determined by the department of modern languages or the classical language program director.	8
History Seminar	3
Upper-division history major emphasis	12
Upper-division history minor field I	6
Upper-division history minor field II	6
Upper-division electives to total 40 credits	13
Electives to total 128 credits	11
Total	128

NOTE: Majors must have upper-division course work distributed between U.S., European, and regional history, with at least 12 hours in one area and at least 6 hours in each of the other two.

History, Secondary Education Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
PO 101 American National Government	3
Area II core course in history	3
Area II core course in a second field	3
Area II core course in any field, except history	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
HY 101/201 History of Western Civilization	3
HY 102/202 History of Western Civilization	3
HY 105 Eastern Civilizations	3
HY 151/251 U. S. History	3
HY 152/252 U. S. History	3
*HY 210 Introduction to the Study of History *Must be completed with a grade of 'C' or better	3
One year of college level foreign language in sequence Language equivalency required by the history department will be determined by the department of modern languages or the classical language program director.	8
History Seminar	3
Upper-division history major emphasis	12
Upper-division history minor field I	6
Upper-division history minor field II	6
TE 172 Intro to Secondary Teaching: Classroom Observation	1
TE 201 Foundations of Education	3
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 291 Education of the Exceptional Child	3
TE 381 Secondary School Methods	3

— continued —

History, Secondary Education (continued)	
TE 385 Secondary School Social Studies Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
Student Teaching	10-16
Electives to total 128 credits	0-1
Total	128-133

NOTE: Majors must have upper-division course work distributed between U.S., European, and regional history, with at least 12 hours in one area and at least 6 hours in each of the other two. Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See "Teacher Education" for more information.

History Minor Certification Endorsement

Course Number and Title	Credits
HY 101, 102 History of Western Civilization **OR** HY 201, 202 Problems in Western Civilization	3
HY 105 Eastern Civilizations	3
HY 151, 152 U. S. History **OR** HY 251, 252 Problems in U. S. History	6
PO 101 American National Government	3
Upper-division history courses, including 3 credit hours of U. S. history, with the remaining 9 credit hours selected from two of the following major history areas U. S., European, and regional	12
Total	24

Classical Languages-Latin, Secondary Education Minor

Course Number and Title	Credits
LA 211 Elementary Classical Latin Language and Literature	4
LA 212 Advanced Classical Latin Language and Literature	4
LA 323 Early Church Latin Literature	3
LA 324 Medieval Latin Literature	3
LA 491 Advanced Latin Tutorial-Augustan Age	3
LA 492 Advanced Latin Tutorial-Constantinian Era	3
Total	20

NOTE: The State Department of Education requires 20 credit hours, 9 in language study, for a minor certification endorsement to teach in Idaho secondary schools. The 20 credits in Latin language courses for the academic minor in Latin language and literature are sufficient for state certification. However, it is strongly recommended that students earn at least 9 additional credits from the following history and culture courses to give themselves a firm grounding in the ancient and medieval civilizations using the Latin language. History and culture courses: HY 320 Ancient Rome, AR 201 Survey Western Art, E 217 Mythology, HY 323 Early Christianity, HY 324 Medieval Europe, HY 481 European Seminar on Augustus and the Golden Age of Rome, HY 481 European Seminar on Constantine and the Late Roman Empire, HY 381 European Colloquium on the Age of the Cathedrals, PY 305 Ancient Philosophy, and PY 307 Medieval Philosophy.

Latin Language and Literature Minor

Course Number and Title	Credits
LA 211 Elementary Classical Latin Language and Literature	4
LA 212 Advanced Classical Latin Language and Literature	4
LA 323 Early Church Latin Literature	3
LA 324 Medieval Latin Literature	3
LA 491 Advanced Latin Tutorial-Augustan Age	3
LA 492 Advanced Latin Tutorial-Constantinian Era	3
HY 320 Ancient Rome	3
History and culture courses chosen from AR 201 Survey of Western Art, E 217 Mythology, HY 323 Early Christianity, HY 324 Medieval Europe, HY 481 European Seminar on Augustus and the Golden Age of Rome, HY 481 European Seminar on Constantine and the Late Roman Empire, HY 381 European Colloquium on the Age of the Cathedrals, PY 305 Ancient Philosophy, and PY 307 Medieval Philosophy	6
Total	29

Course Offerings

See page 53 for a definition of the course-numbering system.

CLASSICAL LANGUAGES

GR GREEK

Lower Division

GR 211 ELEMENTARY ANCIENT GREEK LANGUAGE and LITERATURE (3-2-4) (F)(Alternate years). An intensive introduction to the basic vocabulary, grammar, and syntax of ancient Greek with emphasis on comprehension of the nominal declension and verbal conjugation forms of the language; and a survey of classical Greek literature from the eighth to the fourth century B.C., with short reading passages excerpted from the ancient authors.

GR 212 ADVANCED ANCIENT GREEK LANGUAGE and LITERATURE (3-2-4)(S) (Alternate years). An intensive completion to the study of ancient Greek with emphasis on comprehension of the advanced grammatical forms and syntactical patterns of the language; and a survey of late classical and early Christian Greek literature to the fourth century A.D., with translations and analyses of extended passages from the ancient authors. PREREQ: GR 211.

LA LATIN

Lower Division

LA 211 ELEMENTARY CLASSICAL LATIN LANGUAGE and LITERATURE (3-2-4) (F)(Alternate years). An intensive introduction to the basic vocabulary, grammar and syntax of classical Latin with emphasis on comprehension of the nominal declension and verbal conjugation forms of the language; and a survey of Roman republican literature with illustrative reading passages excerpted from the ancient authors. Recommended: HY 320 Ancient Rome.

LA 212 ADVANCED CLASSICAL LATIN LANGUAGE and LITERATURE (3-2-4)(S) (Alternate years). An intensive completion to the study of classical Latin with emphasis on comprehension of the advanced grammatical forms and syntactical patterns of the language; and a survey of Roman imperial literature with translations and analysis of extended historical and literary texts from the ancient authors. PREREQ: LA 211, or a year of high school Latin.

Upper Division

LA 323, 323G EARLY CHURCH LATIN LITERATURE (2-2-3)(F)(Alternate years). Translation and analysis of selections from the major writings of the Latin Fathers of the early Church, such as Tertullian, Cyprian, Lactantius, Ambrose, Jerome and Augustine. Recommended: A year of college Latin and HY 323 Early Christianity.

LA 324, 324G MEDIEVAL LATIN LITERATURE (2-2-3)(S)(Alternate years). Translation and analysis of selections from significant medieval Latin writers, such as the papal biographers, Egeria, Gregory of Tours, the Venerable Bede, Einhard, Pope Gregory VII, Fulcher of Chartres, Abelard and Jacque De Vitry. Recommended: A year of college Latin and HY 324 Medieval Europe.

LA 491, 491G ADVANCED LATIN TUTORIAL – AUGUSTAN AGE (2-2-3)(SU/F)(Alternate years). Translation and analysis of classical texts from authors of the "Golden Age of Latin Literature," such as Cicero, Caesar, Vergil, and Livy. Survey of materials and methods of teaching Latin in secondary schools. Recommended: HY 481/581 European Seminar on Augustus and the Golden Age of Rome. PREREQ: PERM/INST.

LA 492, 492G ADVANCED LATIN TUTORIAL - CONSTANTINIAN ERA (2-2-3) (SU/F)(Alternate years). Translation and analysis of Christian texts from the Constantinian Era, such as imperial biographies, laws, letters, and creeds. Survey of materials and methods of teaching Latin in secondary schools. Recommended: HY 481/581 European Seminar on Constantine and the Late Roman Empire. PREREQ: PERM/INST.

HY HISTORY

All History courses specifically required for the major are offered each semester allowing for some flexibility in student scheduling. However, the Department strongly encourages history majors to take HY 210 by the second semester sophomore year before taking any upper-division history courses.

Lower Division

HY 101 HISTORY OF WESTERN CIVILIZATION (3-0-3)(Area II)[HIST 101]. A political, economic, and cultural survey of western civilization from the earliest settled communities of the ancient Near East in the fourth millennium B.C. up through the cultural renaissance and religious reformation of western Europe in the sixteenth and seventeenth centuries of the Christian era.

HY 102 HISTORY OF WESTERN CIVILIZATION (3-0-3)(Area II)[HIST 102]. A political, economic, and cultural survey of western civilization from the end of the religious wars of the seventeenth century up through the worldwide expansion of western culture in the twentieth century of the modern era.

HY 104 HISTORY OF SCIENCE (3-0-3)(F/S)(Alternate years). A survey on the development of the western concept of science and cultural and scientific interaction at selected critical points of change in western history; the origins of science under the Greeks; medieval assumptions about the physical world; the scientific revolution of the seventeenth and eighteenth centuries; biological theories; and science in the modern world.

HY 105 EASTERN CIVILIZATIONS (3-0-3)(F,S)(Area II). A topical and chronological historical survey of China and Japan. The course will introduce the philosophies, religions, cultures, and social patterns of China and Japan. Western intrusion (missionaries, trading companies, military personnel) into Asia, and the Asians' reactions to the West are included in this class. Other areas of Asia, including India, Korea, and Southeast Asia will be integrated into the class lectures and reading assignments.

HY 151, 152 UNITED STATES HISTORY (3-0-3)(Area II)[HIST 111, HIST 112]. First semester: the history of American civilization from Pre-Columbian days to 1877 with emphasis given to the development of the Union and expansion. Second semester: A survey of the significant factors influencing American development from the Civil War to the present, including the growth of American business and the emergence of the nation to a world power.

HY 201 PROBLEMS IN WESTERN CIVILIZATION (3-0-3)(F/S)(Area II). A study of selected historiographical problems the researcher encounters when interpreting the history of western civilization from ancient Near Eastern to early modern European times. Not open to students with credit in HY 101. PREREQ: High school course in world history or related subject matter or PERM/INST.

HY 202 PROBLEMS IN WESTERN CIVILIZATION (3-0-3)(F/S)(Area II). A study of selected historiographical problems the researcher encounters when interpreting the history of western civilization from early modern European times up through the modern twentieth century era. Not open to students with credit in HY 102. PREREQ: High school course in world history or related subject matter or PERM/INST.

HY 210 INTRODUCTION TO THE STUDY OF HISTORY (3-0-3). An introduction to the study of history for liberal arts students, exploring the nature of the discipline, and dealing with practical problems of historical research and writing, including the applications of various methodological approaches to the analysis of data. Required of all history majors, prior to taking any upper-division history courses.

HY 251 PROBLEMS IN U.S. HISTORY (3-0-3)(F)(Area II). Selected problems from colonial times through reconstruction following the Civil War. Not open to students who have completed HY 151. PREREQ: High school history course or PERM/INST.

HY 252 PROBLEMS IN U.S. HISTORY (3-0-3)(S)(Area II). Selected problems from the rise of industrialism after the Civil War to the present. Not open to students who have completed HY 152. PREREQ: High school history course or PERM/INST.

HY 261 HISTORY OF MULTICULTURAL AMERICA (3-0-3)(F/S)(Alternate years). An examination of America's multicultural history, with emphasis on how race and ethnicity have shaped American experience and identity.

Upper Division

HY 303 THE ENLIGHTENMENT AND THE FRENCH REVOLUTION (3-0-3)(F/S) (Alternate years). A study of European thought in the seventeenth and eighteenth centuries, with emphasis upon monarchical absolutism, the crisis of the Old Regime, and the coming of the French Revolution. Recommended: HY 101. PREREQ: HY 102.

HY 307 MODERN GERMANY (3-0-3)(F/S)(Alternate years). The struggle for German unity in modern times, and the relation of this issue to the origins of the two World Wars. The problem will be traced through the "opening to the east" inspired by Willy Brandt. HY 102 recommended.

HY 308 FRANCE SINCE THE REVOLUTION (3-0-3)(F/S)(Alternate years). The failure of the French people in the nineteenth and twentieth centuries to achieve political and social equilibrium. The problem will be traced through the establishment of the fifth Republic by Charles deGualle. HY 102 recommended.

HY 309 THE RENAISSANCE (3-0-3)(S)(Alternate years). A study of European society, economic development, artistic expression, humanism, and political concepts from the twelfth through sixteenth centuries. PREREQ: HY 101 or PERM/INST.

HY 310 THE REFORMATION (3-0-3)(F)(Alternate years). Survey of church-state relationships including the Babylonian "Captivity of the papacy," the Great Schism, the impact of the national state, the theological and political philosophies of reformers from Wycliff to the Council of Trent, and the world wide impact of Protestantism, the Catholic Reformation, and dissident minority sects. PREREQ: HY 101 or PERM/INST.

HY 311, 312 HISTORY OF ENGLAND (3-0-3)(F/S)(Alternate years). First semester: Survey of the major cultural, political, economic, and religious developments in England from the beginning to 1688. Second semester: Great Britain from the seventeenth century to the present.

HY 313, 314 HISTORY OF RUSSIA (3-0-3)(F/S)(Alternate years). HY 313: Origin and development of the Kievan and Muscovite states. HY 314: growth and development of Tsarist Russia.

HY 317 HISTORY OF SOVIET RUSSIA (3-0-3)(F/S)(Alternate years). A survey of the history of Soviet Russia from the last tsars through the present.

HY 319 ANCIENT GREECE (3-0-3)(F/S)(Alternate years). A study of the ancient Greek world from the Minoan sea empire of the second millennium to the empire of Alexander the Great in the late fourth century B.C. Political, economic, and cultural history are emphasized with special attention given to the outstanding achievements of the Greeks in political and philosophical thought, epic and dramatic poetry, historical writing, and Visual Arts. PREREQ: HY 101, PERM/INST

HY 320 ANCIENT ROME (3-0-3)(F/S). A survey of Rome from its earliest beginnings under Etruscan tutelage through its late imperial phase in the fifth century of the Christian era. Emphasis on political and military developments, social and religious changes, outstanding personalities and literary, legal and artistic achievements. PREREQ: HY 101 or PERM/INST.

HY 323 EARLY CHRISTIANITY (3-0-3)(F/S)(Alternate years). A study of the rise and development of Christianity from its Jewish and Greek origins in the first century through its establishment and elaboration as the state religion of the late. Roman empire in the fifth century. Doctrinal, ethical, organizational, liturgical, and aesthetic developments within the Christian movement, and the political, social, and cultural roles of the Church within the late empire are analyzed through the media of early Christian and contemporary pagan writings and artistic remains.

HY 324 MEDIEVAL EUROPE (3-0-3)(F/S)(Alternate years). A survey of the political, religious, economic, and cultural development of Western Europe from the fourth to the fourteenth century. Special emphasis given to the Constantinian revolution, the rise and elaboration of monasticism, the Carolingian empire, feudalism and chivalry, the Gregorian papacy, and the outstanding cultural achievements of the twelfth century renaissance.

HY 325 THE BYZANTINE EMPIRE (3-0-3)(F,SU)(Alternate years). A survey of the history and culture of the Byzantine Empire from the foundation of Constantinople by the Christian emperor Constantine in A.D. 330 to the final conquest of the empire by the Ottoman Turks in 1453. The course provides a detailed study of the eastern Greek Orthodox imperial successor civilization to the ancient Roman Empire, and its role in converting and civilizing the peoples of eastern Europe and Anatolia in the middle ages.

HY 326 THE HISTORY OF THE BALKANS SINCE 1453 (3-0-3)(S)(Alternate years). This course will consider the history of the southeast European region since 1453. It will evaluate Ottoman rule in the Balkan peninsula, the collapse of Ottoman authority, and the rise of the independent nation-states of Bulgaria, Serbia, Albania, Greece, and Romania.

HY 327 LIVING RELIGIONS: A Comparative Historical Study (3-0-3)(F)(Alternate years). A comparative analysis of the major active religious traditions of the world, treating their historical development, philosophical foundations, and social and political ramifications, especially in modern times, with emphasis on Islam, Hinduism, Buddhism, Taoism, Shinto, Judaism, and Christianity. Recommended: HY 105.

HY 329 HISTORY OF MODERN SOUTH ASIA: India, Pakistan and Burma from 1750 to the Present (3-0-3)(F/S)(Alternate years). The Mughal Empire, its decline; the rise of British Power, its social, political, and economic impact; South Asian reaction to British rule; the rise of nationalism and independence; and Indian and Pakistani history since 1947.

HY 330 HISTORY OF MODERN AFRICA; 1750-Present (3-0-3)(F)(Alternate years). History of the African Continent from 1750 to the present with emphasis on the sub-Saharan regions, including the slave trade, its abolition, the pre-colonial eras, independence movements, and the emergence of the modern African state. Mediterranean, Black, and White African states will be included.

HY 331 THE ISLAMIC MIDDLE EAST (3-0-3)(F)(Alternate years). A history of the people, institutions, and culture of the Near and Middle East from Muhammad to the decline of the Ottoman and Safavid empires in the eighteenth century.

HY 332 THE MODERN MIDDLE EAST (3-0-3)(S)(Alternate years). A history of the Near and Middle East during the nineteenth and twentieth centuries, the decline of the Ottoman Empire, the breakdown of cosmopolitan Islam, and the rise of Turkish, Iranian, Arab, and Israeli nationalism. HY 102 recommended.

HY 333 HISTORY OF SPORTS AND THE AMERICAN IDEAL (3-0-3)(F/S)(Alternate years). Traces the historic development of sport in America and its impact on American society. From Indian games to Big League this course has something for every interest. The area of sport is placed within the context of American thought and the social milieu of the nation.

HY 334, 334G UNITED STATES SOCIAL AND CULTURAL HISTORY (3-0-3)(F/S)(Alternate years). Selected themes from colonial times to the present. The nature and meaning of the national experience, customs, traditions, and intellectual developments. HY 151, 152 recommended.

HY 335 DIPLOMATIC HISTORY OF THE UNITED STATES (3-0-3)(F/S)(Alternate years). Development of diplomacy from the foundation of the Republic to the present with emphasis on the emergence and continuance of the United States as a world power, and the impact of domestic developments upon the formulation of foreign policies. HY 151, 152 recommended.

HY 336 UNITED STATES CONSTITUTIONAL HISTORY (3-0-3)(F)(Alternate years). A study of the origins, writing, and development of the American constitution with emphasis on the role of the Supreme Court. PREREQ: HY 151, 152 or PERM/INST.

HY 338 HISTORY OF IRELAND (3-0-3)(F/S)(Alternate years). The development of the concept of an Irish nationality, the effects of the long colonial relationship between Ireland and Great Britain, the struggle for Irish independence, the contemporary Ulster issue.

HY 340 WOMEN IN AMERICA FROM THE COLONIAL ERA TO THE PRESENT (3-0-3)(F)(Alternate years). A survey of the changing roles, experiences and contributions of women to American history from the seventeenth century to the present. Emphasis on race, class, and ethnicity. Designed to introduce the student to some of the major issues in women's history and to understand how changes in women's lives are related to other changes in American history.

HY 344 THE HISTORY OF MODERN SOUTHEAST ASIA (3-0-3)(S)(Alternate years). This course examines Southeast Asian history from the middle of the nineteenth century to the present. The profound outside influences and the strength of the Southeast Asian indigenous world views are explored throughout the course.

HY 345 THE HISTORY OF TWENTIETH CENTURY CHINA (3-0-3)(S)(Alternate years). China's transition from the Qing Dynasty (1912) to the Nationalist Period (1928-1949) will introduce twentieth century China. The emphasis in this course will be on post World War II China and China's growth in the post-Mao Zedong era.

HY 346 CRITICAL ISSUES IN MODERN ASIAN HISTORY (3-0-3)(F)(Alternate years). This course examines how the historic rural/urban relations, gender issues, and interregional trade and conflict throughout Asia have changed since World War II.

HY 350 EUROPEAN EXPLORATION OF NORTH AMERICA (3-0-3)(S)(Alternate years). A political, economic, and social examination of the history of European exploration of North America from the Age of Reconnaissance (fifteenth century) to the end of the nineteenth century.

HY 351 COLONIAL AMERICA (3-0-3)(F)(Alternate years). Colonial rivalry in North America; an investigation of the political organizations, social institutions, economic development, and the war for American independence. PREREQ: HY 151 or PERM/INST.

HY 353 THE NATIONAL ERA, 1815-1848 (3-0-3)(S)(Alternate years). The development of American nationalism, the Era of Good Feelings, the emergence of Jacksonian Democracy, Manifest Destiny, the beginnings of sectional rivalry, and the Mexican War. PREREQ: HY 151 or PERM/INST.

HY 354 CIVIL WAR AND RECONSTRUCTION (3-0-3)(F/S)(Alternate years). A study of the origins of the conflict between the states, the encounter, and the problems of reunification. PREREQ: HY 151 or PERM/INST.

HY 355 WESTERN AMERICA (3-0-3)(F/S)(Alternate years). The frontier as a region in transit from the Atlantic seaboard to the Pacific coast, but largely the settlement and development of the Trans-Mississippi West. HY 151 Recommended.

HY 356 THE INDIAN IN UNITED STATES HISTORY (3-0-3)(F/S)(Alternate years). Emphasis is on Indian-white relations. The time period studied extends from early contacts, European rivalries, and the origins of the United States Indian policy, to the reservation system, Red Power, and the current Indian problems.

HY 357 IDAHO AND THE PACIFIC NORTHWEST (3-0-3)(F/S)(Alternate years). Political, economic, and social development of the Pacific northwest with emphasis on the people, customs, and institutions of Idaho. HY 151 recommended.

HY 358 THE GILDED AGE (3-0-3)(S)(Alternate years). A study of United States history from 1877 to 1917, with emphasis upon industrial and concomitant social developments, emergence as a world power, and national responses to these changes, culminating with the Progressive Movement and Woodrow Wilson's "New Freedom." PREREQ: HY 152 or PERM/INST.

HY 359 RECENT UNITED STATES, 1917 to Present (3-0-3)(S)(Alternate years). Versailles and post-war disillusionment, boom and bust of the 20's, the Great Depression and FDR's New Deal, reappearance of the world scene, World War II and its aftermath. HY 152 recommended.

HY 367 COLONIAL LATIN AMERICA (3-0-3)(F)(Alternate years). A study of the development of distinctive Latin American societies through the fusion of late medieval Iberian with American and African cultures in Middle and South America, with emphasis upon the creation of colonial institutions in the context of Spain's and Portugal's imperial rise and decline and the early nineteenth century wars of independence. Recommended HY 102.

HY 368 MODERN LATIN AMERICA (3-0-3)(S)(Alternate years). An examination of Latin America in the aftermath of the wars of independence and the struggles for political and economic stability during the nineteenth century. Particular emphasis placed upon twentieth century socioeconomic change and the role of the United States in that process. Recommended: HY 152.

HY 373 THE HISTORY OF THE HABSBURG MONARCHY, 1526-1918 (3-0-3)(S) (Alternate years). The Habsburg monarchy dominated the lands of Central and Eastern Europe from the sixteenth century to the end of the First World War. This course will examine the reasons for its long survival as well as the sources of its collapse.

HY 374 EASTERN EUROPE SINCE THE SECOND WORLD WAR (3-0-3)(F) (Alternate years). This course will examine the history of Eastern Europe since the Second World War. The war itself, the communist takeover in Eastern Europe, and the overthrow of communist regimes will be the focus of the course.

HY 380 COLLOQUIUM IN AMERICAN HISTORY (3-0-3). Intensive studies of a particular period, topic, or problem in American history. Reading and discussion format. Consult current class schedule for specific selections offered each term. Colloquium may be repeated. PREREQ: Upper-division standing.

HY 381 COLLOQUIUM IN EUROPEAN HISTORY (3-0-3). Intensive studies of a particular period, topic, or problem in regional history. Reading and discussion format. Consult current class schedule for specific selections offered each term. Colloquium may be repeated. PREREQ: Upper-division standing.

HY 382 COLLOQUIUM IN REGIONAL HISTORY (3-0-3). Intensive studies of a particular period, topic, or problem in regional history. Reading and discussion format. Consult current class schedule for specific selections offered each term. Colloquium may be repeated. PREREQ: Upper-division standing.

HY 410 ARCHIVES AND MANUSCRIPTS (3-0-3)(S). Practical experience in the arrangement and description of manuscript collections located in the Idaho State Archives at 325 West State Street, Boise, and the research and writing of a paper using original or primary sources, including newspaper collections located in the Archives.

HY 417 UNITED STATES ECONOMIC HISTORY (3-0-3)(F/S). Major factors in the economic growth and development of the United States from colonial times to the present. Particular emphasis is given to the interaction of economic factors and other aspects of American society. PREREQ: EC 205 and EC 206 or PERM/INST. May be taken for history or economics credit, but not for both.

HY 422 HISTORY OF SOCIALISM (3-0-3)(F/S)(Alternate years). Survey of European egalitarian ideas and movements. Emphasis given to nineteenth and twentieth centuries.

HY 423, 423G EUROPEAN DIPLOMATIC HISTORY 1871-Present (3-0-3)(F/S) (Alternate years). Major problems in European diplomacy since 1871; search for security after unification of Germany, potential collapse of Ottoman Empire, imperialism in Africa and Asia, alliance systems, origins of World Wars I and II, the cold war, and merging of European diplomacy into world diplomacy.

HY 468 HISTORY OF MEXICO (3-0-3)(F/S)(Alternate years). An examination of cultural, social, political, and economic factors affecting the historical development of Mexico from pre-conquest times to the present, with emphasis upon the conquest era, the revolution, and post-revolutionary periods. Recommended: HY 367.

HY 480 SEMINAR IN AMERICAN HISTORY (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in American history. Preparation and presentation of research papers. Consult current class schedule for specific selections offered each term. Seminar may be repeated. PREREQ: Upper-division standing.

HY 481 SEMINAR IN EUROPEAN HISTORY (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in European history. Preparation and presentation of research papers. Consult current class schedule for specific selections offered each term. Seminar may be repeated. PREREQ: Upper-division standing.

HY 482 SEMINAR IN REGIONAL HISTORY (3-0-3). Critical analysis of source materials and historical literature on a topic of restricted scope in regional history. Preparation and presentation of research papers. Consult current class schedule for specific selections offered each term. Seminar may be repeated. PREREQ: Upper-division standing.

HY 498 HISTORY SEMINAR (3-0-3).

Honors Program

Driscoll Hall
http://www.idbsu.edu:80/honors
e-mail: bmech@bsu.idbsu.edu
Telephone 208 385-1122
Fax 208 385-1247

Director and Professor: William P. Mech.

Statement of Purpose

Admission to the Boise State University Honors Program is an opportunity for continued growth and excellence for students of demonstrated ability and achievement. The fundamental purpose of the program is to encourage and support efforts on the part of students to assume greater responsibility for their own education. The program is designed for promising, motivated students who are interested not only in learning the material offered in courses, but also in learning how to learn.

Admission and Retention

The Honors Program welcomes applications from students in all university departments. Admission to the program is based on an evaluation of the applicant's academic record and an interview with the applicant. Both a 3.5 high-school GPA and a score at or above the 88th percentile on the combined portion of the ACT or SAT are required for students applying to BSU on the basis of high school graduation. A cumulative GPA of at least 3.5 for a minimum of 15 college credits is required for all others, including continuing students, transfers, and students whose admission to BSU has not been based upon regular high school graduation and ACT or SAT scores.

A cumulative GPA of at least 3.5 is a fixed requirement for retention. Any student whose GPA falls below 3.5 for two consecutive semesters will be automatically dropped from the program. Students who complete no honors work for two consecutive semesters will be withdrawn from the program unless they can demonstrate, to the satisfaction of the Director, continuing progress toward the completion of Honors graduation requirements. Rare exceptions to Admission and Retention requirements may be granted by the Honors Program Committee of the Faculty Senate upon written petition by the student, justifying the exception on the basis of other evidence of academic potential. The petition must be accompanied by the recommendation of the Director of the Honors Program and a letter of support from a previous college instructor. Granting such an exception shall apply for one semester only; during that semester the student must achieve the minimum criteria for retention.

To apply, contact the Honors Program Office, Driscoll Hall, or telephone 208 385-1122.

Honors Courses

Honors courses are designed to be more thorough, rigorous, and, in some cases, more accelerated versions of regular courses or to be unique offerings specially designed for Honors students. In many Honors courses a seminar format is used to encourage critical, creative thinking in a more personalized atmosphere.

Each honors student takes special honors courses, some of which are expected of all students in the program. Honors courses are designated by an H on a student's transcript, so graduate schools and employers can easily determine the extent of each student's academic involvement in the program.

Honors courses fall into the following groups: departmental honors courses, honors colloquia, senior honors project, H-option courses, and honors seminars. For a list of current honors courses, consult the honors newsletter on the World Wide Web BSU Honors Home Page, which is updated frequently.

Honors Course Descriptions The following courses are offered regularly. With approval of the University Curriculum Committee, the Honors Colloquium may satisfy certain core requirements.

HP 100 H, 200 H, 300 H, 400 H SUMMER READING (1-3 credits) (F). An opportunity and incentive for students to continue their studies during the summer when they are away from campus and faculty. Students must select their area of interest, contact a faculty supervisor and coordinate through the Honors Program Director concerning testing and credit for the work prior to the end of the spring semester. Students will register during fall registration and will complete written and oral testing as required no later than October 15 in order to receive a letter grade.

HP 198 H, 298 H, 398 H, 498 H HONORS SEMINAR (1 credit) (F/S). A seminar involving interdisciplinary lectures and discussion for honors students. Topics are selected by the students.

HP 391 H PROSPECTUS PREPARATION FOR SENIOR HONORS PROJECT (1 credit) (F/S). The student will prepare a prospectus for the Senior Honors Project, consisting of three parts: a description of the proposed project, a preliminary bibliography and a topical or procedural outline.

HP 491 H SENIOR HONORS PROJECT (3 credits) (F/S). A Senior Honors Project is required of all students wishing to graduate with honors or distinguished honors. Such a project will be the result of significant individual effort by the student, with appropriate faculty supervision. The project may involve library, laboratory or field work or may be creative if appropriate to the discipline as determined by the department involved and the director of the Honors Program.

HP 492 H HONORS COLLOQUIUM (3 credits) (F/S). Upper-division Honor students bring the background of their own major to a multidisciplinary forum.

Honors Graduation

Honors/Distinguished Honors Requirements

Course Number and Title	Credits
Interdisciplinary Honors Colloquia	6
Upper-division Independent Study	3
H 391 Prospectus Writing for Senior Honors Project	1
H 491 Senior Honors Project	3
Lower- and upper-division independent study, interdisciplinary honors colloquia, honors only departmental courses, Summer Readings, seminars, and H-option courses	12
Total	25

NOTE: No more than 6 credits of the 25 required can be derived from Summer Readings and the 1-credit Honors Seminars.

To graduate with Honors from the program a student must have a cumulative undergraduate GPA of 3.5 in addition to meeting the requirements listed above.

Distinguished Honors may be granted to a student whose cumulative undergraduate GPA is at least 3.75 and whose records of academic and co-curricular activities indicate outstanding performance in both areas as determined by the Honors Program Committee of the Faculty Senate. Co-curricular activities may include, but are not limited to: publication of undergraduate work, presentations at regional or national conferences, and outstanding service in the Honors Student Association. In selecting students for graduation with Distinguished Honors, the committee will pay particular attention to evidence that a student has demonstrated independence and initiative in pursuing academic goals.

Additional Academic Opportunities

The Honors Program is both directly and indirectly involved in several other programs that benefit its students, including independent study, advanced placement, internship, credit by examination (challenge), the College Level Examination Program (CLEP), and the BSU Studies Abroad Program.

While the Honors Program aims at enrichment more than acceleration, an honors student may graduate in less than the usual four years through advanced placement, summer reading, and extra courses.

Scholarships

Several renewable Brown Honors Scholars awards in amounts from $1,000 to $7,500 are available each year for incoming honors students. The honors staff assists students in applying for prestigious and lucrative graduate and undergraduate scholarships such as the Rhodes, Marshall, Truman, Rotary, and Fulbright. The Rhodes and Marshall Scholarships pay fees and living allowances for study at a British university. The Truman Scholarship is awarded to qualified individuals interested in a career in public service. The Rotary Scholarship pays for one year of undergraduate or graduate study in any

country with a Rotary Club. The Fulbright Scholarship is designed for graduate study and research abroad, with the aim of increasing understanding between people in the U.S. and people in other countries.

Humanities — see Department of English

Human Resource Management — see Department of Management

Illustration — see Department of Art

Interdisciplinary Studies Program

Science/Nursing Building, Room 106 Telephone 208 385-1415
http://www.idbsu.edu/artsci Fax 208 385-3006
e-mail: dapple@bsu.idbsu.edu

Director: Michon Rozmajzl, Ph.D.

The Bachelor of Arts and Bachelor of Science Degrees in Interdisciplinary Studies are offered by Boise State University and administered by the College of Arts and Sciences.

The purpose of this degree program is to permit students to assume responsibility for developing a plan of study with a theme that suits their individual interests and particular needs. Students formulate their own plans of study by using both intercollege and interdepartmental combinations of courses that will provide either a specialized or broad pattern of educational experience. Plans of study that focus on work in a single department or follow an established interdisciplinary major are excluded from the interdisciplinary studies degree. Though the bachelor's degrees are not designed as vocational or pre-professional programs, students may wish to develop plans of study that will prepare them for graduate study in a specific subject or for teaching in secondary education.

The associate dean of the College of Arts and Sciences serves as the director of the Interdisciplinary Studies Program. Overseeing the program is a university-wide Interdisciplinary Studies Committee consisting of one member from each academic school or college. The director of Interdisciplinary Studies serves as the chair of that committee. Each student in the program has an Advisory Committee composed of three faculty members from the disciplines making up the interdisciplinary program. The student's Advisory Committee is responsible for helping the student select his or her particular plan of study and recommends to the Interdisciplinary Studies Committee that the plan of study be accepted. The Interdisciplinary Studies Committee is responsible for approving the members of the student's Advisory Committee, approving the student's plan of study, and approving the student's prospectus for the final project.

Students may withdraw from the program by presenting a letter of notification or by taking appropriate action to enter a program leading to another degree.

Admission Requirements
General admission to the university is required but does not guarantee admission to the Interdisciplinary Studies Program. To apply for admission to the Interdisciplinary Studies Program, an undergraduate must satisfy the following prerequisites:

1. Completion of at least 30 credit hours with a minimum GPA of 2.75.
2. Completion of the university's general English Composition requirement.
3. Completion with a "C" or better of at least one university core course in each of areas I, II, III.

An applicant who satisfies these prerequisites will be admitted to the program and allowed to pursue a baccalaureate degree in Interdisciplinary Studies upon having successfully completed the following application process:

1. Consultation with the program director about the intended plan of study and confirmation by the director that the above prerequisites have been satisfied.
2. Selection by the student and preliminary approval by the program director of a three-person faculty Advisory Committee.
3. Submission of a degree proposal and approval of that proposal by the University Interdisciplinary Studies Committee. The proposal must include the following:
   a. a completed Personal Data form.
   b. a completed Degree Plan, which lists courses to be included in the proposed interdisciplinary major, which satisfies degree requirements listed below for either the B.A. or B.S. in Interdisciplinary Studies, and which has been signed by all three members of the proposed faculty Advisory Committee. As of the date of approval of the degree plan, a total of at least 45 credit hours, including at least 30 credit hours of the major, must remain to be completed.
   c. a three-page statement of justification which (1) states intellectual, professional, or vocational reasons for requesting entry into the program; (2) explains why established majors at BSU do not meet the applicant's needs; and (3) justifies the selection of courses in relation to the conception of the individualized program of study as a whole.

Advisory Committee
The student's Advisory Committee shall be selected by the student with the approval of the university-wide Interdisciplinary Studies Committee. The Advisory Committee shall consist of three members chosen from disciplines relevant to the student's program of study. The Advisory Committee shall have responsibility for approving the student's proposed program of study and prospectus for the final project, and for recommending acceptance of both of these to the Interdisciplinary Studies Committee.

Interdisciplinary Studies Project/Thesis
A prospectus of the senior Interdisciplinary Studies Project/Thesis must be submitted to the director of the program by October 1st or March 1st of the semester prior to doing the senior project. The prospectus will be prepared under the direction of the student's Advisory Committee and will state the project's topic, its hypothesis or goal, and the activities to be carried out; it will also clearly reveal how the project is related to the approved plan of study as a whole. The student will enroll for the project or thesis during the senior year under the Interdisciplinary Studies number ID 491 Project. The project prospectus must be approved by the university-wide Interdisciplinary Studies Committee prior to registration for ID 491 (which requires approval by the IDS program director). The student is expected to consult on a regular basis with Advisory Committee members during the process of completing the project or thesis. The project is also expected to result in a written report, essay, or thesis which will be submitted to the Advisory Committee members and to the program director. Upon completion of the project or thesis, the chair of the Advisory Committee will, after consultation with other Advisory Committee members, assign a letter grade.

Interdisciplinary Studies
Bachelor of Arts or Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field (B.A. must complete three credits of Area I core literature.)	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field (B.A. must complete three credits of Area II history.)	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4

— continued —

Interdisciplinary Studies (continued)	
Bachelor of Arts Area I or II electives	
Area I or II electives These courses do not have to be selected from the approved core list, but are to be chosen from anthropology, art, communication, economics, foreign language, geography, history, humanities, literature, music, philosophy, political science, psychology, social work, sociology, teacher education, and theatre arts.	9
Bachelor of Science Area II or III electives	
Area II or III electives These courses do not have to be selected from the approved core list, but are to be chosen from anthropology, biology, chemistry, communication, economics, engineering, geography, geology, history, mathematics, physical science, physics, political science, psychology, social work, sociology, and teacher education.	9
ID 491 Project: in completing the project, you must draw critically from two or more disciplines you have studied and integrate disciplinary insights you have gained.	3
Major: At least two fields must be represented. No more than 30 credits from the College of Business and Economics, or from any one department may be included.	45
Upper-division electives to total 40 credits Credits from all 300– and 400–level courses, whether elective or required, are applicable. The number in the right-hand column is an estimated number of additional upper-division credits that may be needed to satisfy this requirement.	0-17
Electives to total 128 credits The number in the right-hand column is an estimated number of remaining elective credits that can be taken at either upper– or lower–division level.	0-12
Total	128

Course Offerings

See page 53 for a definition of the course-numbering system.

ID INTERDISCIPLINARY STUDIES

Upper Division

ID 491 PROJECT (3-0-3) (F/S). The prospectus will be prepared under the direction of the student's Advisory Committee and will state the project's topic, its hypothesis or goal, and the activities to be carried out; it will also clearly reveal how the project is related to the approval plan of study as a whole.

International Business Consortium and Programs

Business Building, Room 201 Telephone 208 385-1361
http://www.idbsu.edu/business/ib/ib.htm Fax 208 385-3637
e-mail: abuhunt@cobfac.idbsu.edu

Director and Professor: Nancy K. Napier. *Professors:* Frankle, Lichstenstein, Limayne, Loucks, McCain, Ray, Twight, Wojkowski. *Associate Professors:* Fronmueller, Schooley, White. *Assistant Professors:* Baughn, Nagasundaram, Raha, Sariksas.

Degrees Offered

- B.B.A., B.A., B.S. and Minor, in International Business

Department Statement

Idaho businesses are increasingly affected by the international environment, whether they currently operate overseas or not. The trend toward globalization is wide-spread, affecting small, medium, and large businesses in all aspects of their operations. In response to this shift toward a global economy, the College of Business and Economics developed an International Business major and minor.

The IB major combines international business, social sciences, and language courses to provide students with a strong interdisciplinary degree. The 130-hour program is extensive and in-depth, requiring students to complete nine IB courses, four social science courses (two in political science and two in history), and prove language proficiency or fulfill two years of language study.

The 24-credit IB minor is offered to business majors who seek more specialized courses in the international arena than are offered currently by the College of Business and Economics programs. To obtain the international business minor, nonbusiness students must also complete requirements for a business minor.

Most required IB courses are offered every semester. Academic advisors come from departments throughout the College of Business and Economics, with expertise in a number of different areas. Students may chose an advisor as well as a curriculum that matches their interests.

IB majors are encouraged to participate in work or travel opportunities offered through the program or in conjunction with other programs in the university and business community. Such programs include periodic study-tours to a foreign country with an emphasis on an issue affecting international business; studies abroad, offered through the Continuing Education Department; and internships, working with the Department of Commerce and local corporations, pursuing business at an international level.

Descriptions for courses other than those in International Business may be found under their separate departmental listings.

International Business
Bachelor of Business Administration

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
*Language 201-202	8
Area II — see page 41 for list of approved courses	
EC 205 Principles of Microeconomics	3
EC 206 Principles of Macroeconomics	3
HY 102 History of Western Civilization **OR**	3
HY 105 Eastern Civilization	
PO 231 International Relations	3
Area III — see page 41 for list of approved courses	
Area III core course - (M 105 or M 111)	4-5
Area III core course - (M 106 or M 204)	4-5
Area III core course in a lab science	4
AC 205 Introduction to Financial Accounting	3
AC 206 Introduction to Managerial Accounting	3
BU 328 Business Communications	3
EC 317 International Economics	3
FI 303 Principles of Finance	3
FI 430 International Finance	3
GB 202 Legal Environment of Business	3
GB 450 Business Policy	3
IB 320 Managing a Global Economy	3
IB 455 Senior Seminar in Global Strategy	3
IS 310 Introduction to Management Information Systems	3
MG 301 Management and Organization Theory	3
MG 334 International Management	3
MK Principles of Marketing	3
MK 430 International Marketing	3
PR 207 Statistical Techniques I	3
PR 208 Statistical Techniques II	3
PR 345 Principles of Production Management	3
**History course (300- or 400-level)	3
***International business courses (300- or 400-level)	9
*Language 101-102	8
****Political science course (300- or 400-level)	3
Nonbusiness elective	3
Business electives	6
Electives to total 130 credits	6
Total	130

NOTE: *If a student demonstrates language competency or is able to move directly into the 201, 202 language series, two additional courses are recommended to be chosen from the following courses or from courses approved by International Business advisor: LI 305 Introduction to Language Studies; F/G/S Language 377 Introduction to German/French or Spanish Culture and Civilization; F/G/S Language 303 Advanced Conversation and Composition Courses.
**The electives should relate to the language of interest. Choose from HY 307 Modern Germany, HY 309 France Since the Revolution, HY 312 History of England, HY 316 History of East Asia, HY 317 History of Soviet Russia, HY 329 History of Modern South Asia, HY 330 History of Modern Africa, HY 331 The Islamic Middle East, HY 332 The Modern Middle East, HY 368 Modern Latin America, HY 468 History of Mexico, HY 481 Seminar in European History, HY 482 Seminar in Third World History.
***Choose three from this list or other internationally related courses approved by the International Business advisor: AC 430 International Accounting, EC 315 Comparative Economic Systems, EC 319 Development Economics, FI 430 International Finance, MG 442 Comparative Management, MK 435 International Market Research, MK 436 International Promotion, MK 437 International Channels of Distribution (see respective department for course description) or overseas experience (e.g., Studies Abroad).
****The electives should relate to the language of interest. Choose from PO 311 Comparative Foreign Policy, PO 321 Introduction to Comparative Politics, PO 324 Comparative Communist Party-State Systems, PO 329 Politics of Industrialized Nations, PO 333 Comparative Governments and Politics of Developing Nations, PO 335 United States Foreign Policy, PO 421 International Law and Organization, PO 429 International Political Economy, PO 451 Comparative Legal Systems.

The international business minor is offered to business majors who seek more specialized courses in the international arena than are offered currently by the College of Business and Economics programs. To obtain the international business minor, nonbusiness students must also complete requirements for a business minor.

International Business Minor

Course Number and Title	Credits
EC 317 International Economics	3
FI 430 International Finance	3
IB 320 Managing in a Global Economy	3
MG 334 International Management	3
MK 430 International Marketing	3
PO 231 International Relations	3
One of the following history courses: HY 316 History of East Asia HY 329 History of South Asia HY 368 Modern Latin America HY 423 European Diplomatic History	3
One of the following political science courses: PO 321 Introduction to Comparative Politics PO 329 Politics of Industrialized Nations PO 333 Comp Government and Politics of Developing Nations	3
Total	24

Course Offerings

See page 53 for a definition of the course-numbering system.

Upper-division courses in the international business consortium and programs (those with a course number 300 or higher) provide higher-level instruction to students who have the skills necessary to perform at this level. In addition to fulfilling the specific prerequisites listed and meeting the general university requirements for junior standing, every student admitted to a course is expected: to communicate clearly and correctly so that assignments such as term papers and presentations can be completed effectively, to organize and solve problems using the techniques of intermediate level high school algebra, to use a microcomputer for simple word processing and spreadsheet applications.

IB INTERNATIONAL BUSINESS

IB 320 MANAGING IN A GLOBAL ECONOMY (3-0-3) (F). An overview of (1) the international business environment facing business firms, whether engaged in business overseas or not; (2) country characteristics and conditions affecting firms that conduct business overseas; and (3) firm-level decisions about strategy, entry into overseas markets, and functional areas including marketing, finance and personnel.

IB 443 IMPORTING AND EXPORTING PROCEDURES (3-0-3) (F). Focusing on exporting and importing, this course offers practical experience in international trade. Specifically, the course will cover payment and financial procedures, export procedures and documents, shipment methods, counter trade, and resources available for importers and exporters. PREREQ: IB 320.

IB 444 INTERNATIONAL MANAGEMENT SIMULATION (3-0-3) (S). The course uses a computer-simulated business game to provide teams of students the opportunity to learn how firms from Japan, the U.S., and Germany compete in a global economy. PREREQ: IB 320, College of Business and Economics core courses.

IB 455 SENIOR SEMINAR IN GLOBAL STRATEGY (3-0-3) (F/S). This capstone course for international business majors will help students integrate material learned in international business, economics, history, and political science courses. The students will apply their knowledge by helping local area firms decide whether and how to be more competitive in a global economy. PREREQ: Limited to international business majors who have completed all core international business courses and GB 450.

IB 481 INTERNATIONAL INTERNSHIP OR OVERSEAS EXPERIENCE (3-0-3) (F/S). The course offers students the opportunity to gain international experience through hands-on experience including study abroad or an internship, either with a local firm or with an overseas firm. PREREQ: Approval of international business advisor.

IB 493 INTERNATIONAL BUSINESS INTERNSHIP (number of credits varies). Internships with local companies who work in international business are available to IB majors who meet internship requirements. PREREQ: cumulative GPA of 2.5; business GPA of 3.0; a current resume submitted to the IB office; recommendation of faculty advisor, PERM/INST

International Relations — see Department of Political Science

Japanese — see Department of Modern Languages

Journalism — see Department of Communication

Latin Language and Literature Minor — see Department of History

Law, Pre, Advising — see Pre-Law Advising

Legal Assistant Program

Public Affairs and Arts West, Room 128 Telephone 208 385-3306

Director and Professor: William Skillern.

Program Statement

The legal assistant program is an optional minor program within the framework of a baccalaureate degree preparation, regardless of the major program designation. The legal assistant program, comprising 12 credits of prescribed preparatory courses and 24 credits of law-specialty courses, is designed to meet the needs of the legal community. Applicants to the legal assistant program are carefully screened and evaluated for suitability and acceptability for employment as paralegals. A personal interview is required (arranged at a mutually convenient time through the office of the director of the program). A student accepted for the legal assistant program as a minor field of study is expected to select courses in the substantive categories indicated below. After successfully completing the prescribed courses, the student receives a certificate in paralegal studies, which is entered on the student's transcript.

Students in the program must meet university core requirements and the requirements of their major, in addition to the requirements listed below.

Law-Specialty Courses Students in the Legal Assistant Program must complete at least 24 credits of course work in special areas of law, procedure, or process. Those 24 credits must include 6 credits of required law-specialty courses and 18 credits of course work selected from the alternative law-specialty courses. Because these courses provide the practical skills used by legal assistants, the courses emphasize the tasks and responsibilities of the legal assistant.The law-specialty courses are taught by practicing lawyers specifically selected as adjunct faculty members; qualified legal assistants may assist practicing lawyers selected to offer law-specialty courses in a team-teaching arrangement.

Students are admitted to the program in one of the following categories:

- those students who have been accepted for enrollment in the Legal Assistant Program and who have completed the university core requirements, including at least nine credits of law-related courses and evidence of computer literacy
- those students who have obtained a baccalaureate degree in any area (including at least nine credits of law-related courses and evidence of computer literacy) and who have been accepted for enrollment in the Legal Assistant Program
- those persons who have completed 30 semester credits of college course work and have at least three years of experience in a law-related job
- those persons who have completed at least 60 semester credits of college course work and have a letter of sponsorship from an employer willing to guarantee employment as a legal assistant

If you do not fall into one of these categories, but are employed as a legal assistant, you may be allowed to enroll in a particular course (if a seat in that course is available).

Legal Assistant Program

Course Number and Title	Credits
PL 301 Introduction to Law Practice and Role of Legal Assistant PL 302 Legal Ethics and Law Office Procedures PL 304 Legal Research and Writing PL 305 Westlaw Advanced Research	2 1 2 1
Law-specialty courses chosen from: PL 401 Estates, Wills and Trusts PL 403 Corporate Law PL 405 Real Estate and Property Law PL 407 Bankruptcy PL 411 Civil Litigation and Procedures PL 413 Criminal Law Practice PL 421 Family Law Practice PL 431 Natural Resource Law PL 471 Tort Law PL 493 Paralegal Internship PL 497 Special Topics on Emergent Issues in Law Practice and Paralegal Responsibilities PL 494 Workshops in Paralegal Studies	18
Computer literacy (or evidence of computer literacy) IS 101 Computer Applications	3
Law-related courses chosen from: CR 275 Law of Criminal Evidence CR 276 Law of Arrest, Search and Seizure CR 381 Judicial Administration and Court Management CR 426 Criminal Justice Research and Evaluation GB 202 Legal Environment of Business GB 302 Commercial Law GB 371 Transportation Law GB 441 Government and Business PO 351 Constitutional Law PO 421 International Law PO 451 Comparative Legal Systems PO 467 Administrative Law SO 370 Sociology of Law	9
Communication Skills (recommended, but not required) *CM 111 Fundamentals of Speech Communication *CM 112 Reasoned Discourse *PY 221 Introduction to Logic E 202 Technical Communication E 402 Advanced Technical Communication	
Management Techniques and Procedures (recommended, but not required) AC 205 Introduction to Financial Accounting AC 206 Introduction to Managerial Accounting GB 101 Introduction to Business GB 360 Business Ethics and Social Responsibility *M 105 Mathematics for Business Decisions *M 106 Mathematics for Business Decisions MM 105 Elements of Management MG 301 Management and Organizational Theory PO or SO 487 Organizational Theory and Bureau Structure	
Governmental Institutions, Processes and Historical Background (recommended, but not required) *HY 101 History of Western Civilization *HY 102 History of Western Civilization *HY 151 U. S. History *HY 152 U. S. History HY 336 U. S. Constitutional History *PO 101 American National Government PO 102 State and Local Government PO 303 Introduction to Public Administration PO 312 Legislative Behavior PO 320 American Policy Process	
Total	36

*Satisfies a university core requirement.

PL Law-Specialty Courses

Students must complete nine credits in law-related courses and provide evidence of computer literacy before enrolling in any of the law-specialty courses. In addition, students must complete PL 301, PL 302, PL 304, and PL 305 before enrolling in any of the law-specialty courses in the 400 series. (Exceptions may be made only for good and substantial reasons.) Before enrolling in any law-specialty course, you must obtain the program director's approval.

PL 301 INTRODUCTION TO LAW PRACTICE AND ROLE OF THE LEGAL ASSISTANT (2-0-2) (F/S). Familiarization of students with specific operations of law firms and legal departments and the role of the legal assistant. Essential skills of assertiveness, interviewing, investigation and formal/informal advocacy are introduced. Training in presenting a thorough, well-reasoned written legal analysis. PREREQ: Nine credits in law-related courses and evidence of computer literacy or PERM/PROG DIR.

PL 302 LEGAL ETHICS AND LAW OFFICE PROCEDURES (1-0-1) (F/S). Introduction to the Code of Professional Responsibility and the Code of Judicial Ethics. Explores the boundaries of authorized practice, delegation of authority, and confidentiality. Review of office procedures, including billing, time keeping, docketing, calendaring and filing systems. PREREQ: PL 301 or PERM/PROG DIR.

PL 304 LEGAL RESEARCH AND WRITING (2-0-2) (F/S). Use of law references to develop research skills for the legal assistant in the formulation of briefs, memoranda, and other documents relative to legal practice. Emphasis is given to accurate, analytical writing of legal terms and forms. PREREQ: PL 302 or PERM/PROG DIR.

PL 305 WESTLAW ADVANCE RESEARCH (1-0-1) (F/S). Development of computerized skills in the use of "Westlaw." PREREQ: PL 304 or PERM/PROG DIR.

PL 401 ESTATES, WILLS, AND TRUSTS (3-0-3) (F/S). Principles, provisions, and documents relative to wills and trusts. Includes jurisdictions of probate courts, estate and inheritance taxation and estate planning. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG DIR.

PL 403 CORPORATE LAW (3-0-3) (F/S). The law regarding contracts, agency, partnerships, corporations, negotiable instruments and sale of personal property. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG DIR.

PL 405 REAL ESTATE AND PROPERTY LAW (3-0-3) (F/S). Personal and real-property documents and law relating to mineral and energy resources, mortgages, zoning and covenants, titles, legal descriptions, appraisals, common problems of property ownership, government regulation of subdivisions, condemnation, boundary disputes, adverse possession, leases, joint ventures, liens and encumbrances, foreclosure, inter alia. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG DIR.

PL 407 BANKRUPTCY (3-0-3) (F/S). Examines basic concepts in the debtor-creditor relationship, including the rights and interests of both parties in a transaction. Principles of bankruptcy, creditor rights, and consumer protection are stressed. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG DIR.

PL 411 CIVIL LITIGATION AND PROCEDURES (3-0-3) (F/S). In-depth coverage of civil litigation in state and federal courts from client interview through trial and appeal. Idaho court practice emphasized but with sufficient understanding to be adapted to other states. Federal court practice based on federal and local rules. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG DIR.

PL 413 CRIMINAL LAW PRACTICE (3-0-3) (F/S). Substantive criminal law, definition of a crime, defenses to criminal accusation, joinder of parties and criminal allegations, instituting criminal action, formal pleading, the court process, negotiated pleas, probation and sentencing practice and procedure, constitutional safeguards and requirements. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG DIR.

PL 421 FAMILY LAW PRACTICE (3-0-3) (F/S). Legal provisions and documents relative to marriage, separation, divorce, communal property, child custody, child support, adoption, and other concerns. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG DIR.

PL 431 NATURAL RESOURCE LAW (3-0-3) (F/S). Federal public lands and resources; historical development of federal policy; federal/state relations; relations among the legislative, executive, and judicial branches of the federal government; individual treatment of water, mineral, range, timber, wildlife, recreation, and preservation of natural resources. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG DIR. DIR.

PL 471 TORT LAW (3-0-3) (F/S). Principles of the law of torts, including consideration of concepts of liability based upon fault and without fault, negligence and compensation for industrial injuries, defenses thereto and damages. Functions of Workers' Compensation. The role and responsibilities of the legal assistant will be emphasized. PREREQ: PL 305 or PERM/PROG DIR.

Linguistics — see Department of English

Department of Management

Business Building, Room 313 Telephone 208 385-1313
http://biz.idbsu.edu/mg Fax 208 385-1857

Chair and Associate Professor: Michael Fronmueller. *Professors:* Bigelow, Bixby, Napier, Wines. *Associate Professors:* Glen, Kaupins. *Assistant Professors:* Baughn, Gough, Learned, Wanek.

Degrees Offered

- B.B.A., B.A., and B.S. in General Business Management
- B.B.A., B.A., B.S., and Minor in Management, Entrepreneurial Option
- B.B.A., B.A., B.S., and Minor in Management, Human Resource Management Option

Department Statement

The goal of the department of management is to graduate individuals who have acquired competency in management skills and the qualities of an educated person.

The department of management offers two majors: general business management and management.

The general business management major provides a broad-based curriculum, offering background in a variety of business areas. The major is designed for students who do not wish to specialize in any single area of business. Emphasis is placed on the development of logical thinking and the use of technical tools directed at recognizing and solving problems that occur in the business community.

A major in general business management is appropriate for those students who wish to enter management-trainee programs offered by business corporations, ranging from the fast-food industry to public utilities to financial institutions.

The Management major emphasizes two important management areas:

- Entrepreneurial Management
- Human Resource Management

The entrepreneurial management option is appropriate for students who wish to start their own business or work in a family-owned business. An entrepreneur organizes and directs a business and assumes risks for the sake of the profits. This option is designed to encourage the motivated self-starter. In a small to medium-sized business, the entrepreneur may assume many job titles and duties to enhance the probability of a successful business venture.

The human resource management option provides a solid foundation for those interested in the human resource management process of a business and the administration and operation of a company's programs as they apply to employees.

Degree Requirements

General Business Management Bachelor of Business Administration

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I Core courses	6
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
EC 205 Principles of Microeconomics	3
EC 206 Principles of Macroeconomics	3
P 101 General Psychology	3
Area III — see page 41 for list of approved courses	
Area III core course - (M 105 or M 111)	4-5
Area III core course -(M 106 or M 204)	4-5
Area III core course in a lab science	4-5
AC 205 Introduction to Financial Accounting	3
AC 206 Introduction to Managerial Accounting	3
BU 328 Business Communications	3
EC 303, 305, 321, 322 or 327	3
FI 303 Principles of Finance	3
FI 410 Working Capital Management	3
GB 202 Legal Environment of Business	3
GB 302 Commercial Law	3
GB 360 Business Ethics and Social Responsibility	3
GB 441 Government and Business	3
GB 450 Business Policies	3
IS 310 Introduction to Management Information Systems	3
MG 301 Management and Organizational Theory	3
MG 305 Human Resource Management	3
MG 340 Employee and Labor Relations	3
MG 401 Organizational Behavior	3
MG 405 Management of Continuous Learning	3
MK 301 Principles of Marketing	3
MK 320 Marketing Management	3
PR 207 Statistical Techniques for Decision Making I	3
PR 208 Statistical Techniques for Decision Making II	3
PR 345 Principles of Production Management	3
Nonbusiness courses Nonbusiness courses must represent 2 of the 3 core areas.	16
Electives to total 128 credits	10
Total	128

Management, Entrepreneurial Option Bachelor of Business Administration

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core courses	6
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
EC 205 Principles of Microeconomics	3
EC 206 Principles of Macroeconomics	3
P 101 General Psychology	3

— continued —

Management, Entrepreneurial Option (continued)

Area III — see page 41 for list of approved courses	
Area III core course - (M 105 or M 111)	4-5
Area III core course - (M 106 or M 204)	4-5
Area III core course in a lab science	4
AC 205 Introduction to Financial Accounting	3
AC 206 Introduction to Managerial Accounting	3
BU 328 Business Communications	3
E 202 Technical Communication	3
EC 303, 305, 321, 322, or 327 Economics course	3
FI 303 Principles of Finance	3
FI 410 Working Capital Management	3
GB 202 Legal Environment of Business	3
GB 360 Business Ethics and Social Responsibility	3
GB 441 Government and Business	3
GB 450 Business Policy	3
IS 310 Introduction to Management Information Systems	3
MG 301 Management and Organizational Theory	3
MG 305 Human Resource Management	3
MG 318 New Venture Creation	3
MG 319 Small Business and Entrepreneurial Management	3
MG 401 Organizational Behavior	3
MG 405 Management of Continuous Learning	3
MK 301 Principles of Marketing	3
MK 320 Marketing Management	3
PR 207 Statistical Techniques I	3
PR 208 Statistical Techniques II	3
PR 345 Principles of Production Management	3
Nonbusiness courses Nonbusiness courses must represent 2 of the 3 core areas.	16
Electives to total 128 credits	7
Total	128

Students pursing a business degree may earn a Management, Entrepreneurship Minor by satisfying the requirements listed below in addition to their major requirements. Nonbusiness students wishing to earn a minor in entrepreneurship also must complete the lower-division business core to obtain an entrepreneurship minor.

Management, Entrepreneurship Minor

Course Number and Title	Credits
MG 301 Management and Organizational Theory	3
MG 318 New Venture Creation	3
MG 319 Small Business and Entrepreneurship Management	3
3 courses chosen from: EC 321 Regional Economics FI 410 Working Capital Management IB 433 Importing and Exporting Procedures IS 497 Special Topics: Creative Problem Solving MG 493 Internship	9
Total	18

**Management,
Human Resource Management Option
Bachelor of Business Administration**

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core courses	6
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
EC 205 Principles of Microeconomics	3
EC 206 Principles of Macroeconomics	3
P 101 General Psychology	3
Area III — see page 41 for list of approved courses	
Area III core course - (M 105 or M 111)	4-5
Area III core course - (M 106 or M 204)	4-5
Area III core course in a lab science	4
AC 205 Introduction to Financial Accounting	3
AC 206 Introduction to Managerial Accounting	3
BU 328 Business Communications	3
Any one of the following: EC 303 Intermediate Microeconomics EC 305 Intermediate Macroeconomics EC 327 Labor Economics	3
FI 303 Principles of Finance	3
GB 202 Legal Environment of Business	3
GB 360 Business Ethics and Social Responsibility	3
GB 441 Government and Business	3
GB 450 Business Policies	3
IS 310 Introduction to Management Information Systems	3
MG 301 Management and Organizational Theory	3
MG 305 Human Resource Management	3
MG 330 Human Resource Law	3
MG 340 Employee and Labor Relations	3
MG 401 Organizational Behavior	3
MG 405 Management of Continuous Learning	3
MG 406 Compensation and Benefits	3
MK 301 Principles of Marketing	3
PR 207 Statistical Techniques I	3
PR 345 Principles of Production Management	3
One of the following CM 255 Communication Training and Development CM 307 Interviewing CM 390/SO 390 Conflict Management MG 415 Collective Bargaining	3
Nonbusiness courses Nonbusiness courses must represent 2 of the 3 core areas.	19
Electives to total 128 credits	12
Total	128

Students pursing a business degree may earn a Management, Human Resource Management Minor by satisfying the requirements listed below in addition to their major requirements. Nonbusiness students wishing to earn a minor in human resource management also must complete the lower-division business core to obtain an human resource management minor.

Management, Human Resource Management Minor

Course Number and Title	Credits
MG 301 Management and Organizational Theory	3
MG 305 Human Resource Management	3
MG 330 Human Resource Law	3
MG 340 Employee and Labor Relations	3
MG 406 Compensation and Benefits	3
One course chosen from: CM 255 Communication Training and Development CM 390/SO 390 Conflict Management CM 307 Interviewing GB 360 Business Ethics GB 441 Government and Business MG 405 Management of Continuous Learning	3
Total	18

Course Offerings

See page 53 for a definition of the course-numbering system.

Upper-division courses in the department of management (those with a course number 300 or higher) provide higher-level instruction to students who have the skills necessary to perform at this level. In addition to fulfilling the specific prerequisites listed and meeting the general university requirements for junior standing, every student admitted to a course is expected: to communicate clearly and correctly so that assignments such as term papers and presentations can be completed effectively, to organize and solve problems using the techniques of intermediate level high school algebra, to use a microcomputer for simple word processing and spreadsheet applications.

GB GENERAL BUSINESS

Lower Division

GB 101 INTRODUCTION TO BUSINESS (3-0-3) (F/S). Acquaints students with business organizations and current issues in business and society. Presents the strengths and limitations of the business enterprise as a dominant social institution, the global context in which businesses compete today, the need for social responsibility and ethics in conducting business transactions, the nature of business and government interaction, and contemporary business issues such as cultural diversity, innovations, quality, and human relations. CLASS LEVEL EXCLUDED: Juniors and seniors with declared business majors.

GB 202 THE LEGAL ENVIRONMENT OF BUSINESS (3-0-3). Emphasis will be on both the external and internal legal environment of a business organization. Topics will include the nature and function of the legal process, administrative regulations, the interaction of business with the judicial, legislative, and executive branches of government, and the legal responsibilities of business. Freshmen excluded.

Upper Division

GB 302 COMMERCIAL LAW (3-0-3). This course provides an in-depth study of the legal principles relating to commercial transactions. Special emphasis will be placed on the following areas of law: agency, contracts, sales, commercial paper, secured transactions, and bankruptcy. PREREQ: GB 202.

GB 360 BUSINESS ETHICS AND SOCIAL RESPONSIBILITY (3-0-3) (F). An exploration of business conduct and social responsibility in the light of existing ethical, moral, and social values. Designed to enable students to form individual positions on ethical conduct and social responsibility.

GB 441-441G GOVERNMENT AND BUSINESS (3-0-3) (S). Intensive study of and student research into the scope of government control and regulation of business. Specific major statutes and their implementing rules and regulations are researched and analyzed as well as selected federal and state regulatory agencies. May be taken for graduate credit. PREREQ: GB 202, (GB 302 recommended).

GB 450 BUSINESS POLICIES (3-0-3). To develop analytical, problem-solving, and decision-making skills in situations dealing with complex organizations, with the ultimate objective of formulating policies and strategies, both domestic and worldwide. To build upon and integrate the knowledge and methods acquired to examine all functional areas of the organization. PREREQ: Senior standing, plus FI 303, IS 310, MG 301, MK 301, PR 345 with grades of C or higher.

MG MANAGEMENT

Upper Division

MG 301 MANAGEMENT AND ORGANIZATIONAL THEORY (3-0-3). Emphasis on conceptual application of management and organizational theory, nationally and internationally. Topics include organizational environments, decision making, design, technology, leadership, effectiveness, and information and control.

MG 305 HUMAN RESOURCE MANAGEMENT (3-0-3) (F/S). Overview and application of the major human resource management functions: selection and placement, compensation and benefits, training and development, employee and labor relations, health, safety, and security, and management practices. Legal, motivational, and international issues are included. PREREQ: E 102 and GB 202.

MG 318 NEW VENTURE CREATION (3-0-3) (F/S). Topics include the legal, financial, marketing, and managerial issues involved in creating a new enterprise. A major requirement of the course is the completion of a comprehensive business plan describing and analyzing a proposed new venture. PREREQ: MG 301 or PERM/INST.

MG 319 SMALL BUSINESS AND ENTREPRENEURIAL MANAGEMENT (3-0-3) (F/S). This course is a continuation of MG 318 New Venture Creation. Study of the unique and distinct problems encountered by small business organizations. Covers the topics of locating, financing, staffing, marketing, and regulating the small business. Emphasis is placed on small business management techniques as they apply to service, retail, and production oriented small businesses. PREREQ: MG 318 or PERM/INST.

MG 330 HUMAN RESOURCE LAW (3-0-3) (F). The general principles of the law and the effective application of these principles. Such issues as organizing campaigns, unfair labor practices, picketing, work stoppages, and the mechanism of conflict resolution are discussed. PREREQ: E 102 and GB 202.

MG 334 INTERNATIONAL MANAGEMENT (3-0-3) (S). The course addresses issues of managing multinational corporations, both American firms overseas and non-American firms in the U.S. Specifically, the course provides insights into structure, human resource management practices, managing motivation, communication, staffing and related issues PREREQ: MG 301.

MG 340 EMPLOYEE AND LABOR RELATIONS (3-0-3) (F/S). History, structure, policies, and operations of labor unions, the functioning of industrial relations activities within organizations, and important concepts and terminology in labor management relations. Contract administration is emphasized with a focus on the day-to-day relationships. International comparisons are made. PREREQ: E 102 and GB 202.

MG 344 INTERNATIONAL TRANSPORTATION (3-0-3) (F/S). An insight into the study of documentation, rates, conferences, terminal problems, government policies and aids, carriers, and routes associated with international trade. Water transportation associated with domestic service is featured.

MG 401 ORGANIZATIONAL BEHAVIOR (3-0-3). Emphasis on action skills useful for managers. Topics include managing of self, communicating, motivating, innovating, managing a group, use of formal and social power, persuading, and dealing with uncertainty. PREREQ: MG 301.

MG 405 MANAGEMENT OF CONTINUOUS LEARNING (3-0-3) (F/S). This course examines how managers can facilitate organizational, team, and individual learning. It reviews the organizational and managerial innovations needed to support quality management and customer satisfaction. It will draw upon a variety of disciplines, including: learning theory, Japanese management, socio-technical systems theory, and social psychology of group problem-solving. Special emphasis will be placed on skills in developing effective teams. PREREQ: MG 301.

MG 406 COMPENSATION AND BENEFITS (3-0-3) (F/S). Implementation, administration, maintenance, and control of a comprehensive compensation program. Job analysis, job evaluation, pricing of jobs, supplemental benefits, incentive plans, performance appraisal, variable pay, and international compensation issues are included. PREREQ: MG 305 or PERM/INST.

MG 415 COLLECTIVE BARGAINING (3-0-3) Materials and resources utilized in preparation for negotiations. Bargaining strategies and tactics are examined. Various methods of conflict resolution are explored, with an emphasis on the mediation and arbitration process. Special attention is devoted to public sector bargaining. Course will be offered based on student demand and staffing availability. PREREQ: MG 330, 340, or PERM/INST.

MG 442 COMPARATIVE MANAGEMENT (3-0-3) (F). This course compares management styles and practices across major regions of the world, such as the Pacific Rim, North and South America, Western and Eastern Europe, and the Soviet Union. PREREQ: IB 320.

MG 493 INTERNSHIP (number of credits varies). Internship credits are earned in supervised field work specifically related to a students major. To enroll in 493, a student must have attained a cumulative grade-point average of 2.00 or higher. No more than 12 internship credits may be used to meet university graduation requirements. PREREQ: PERM/INST.

Department of Marketing and Finance

Business Building, Room 306 Telephone 208 385-3356
http://biz.idbsu.edu/fi/mktfin.htm Fax 208 385-1135
e-mail: mktfin@cobfac.idbsu.edu

Chair and Professor: L. Dwayne Barney. *Professors:* Frankle, Limaye, Lincoln, McCain, Ray, Stitzel. *Associate Professors:* Maher, Schooley, White. *Assistant Professors:* Petkus, Pompian, Smith.

Degrees Offered

- B.B.A., B.A., B.S., and Minor in Finance
- B.B.A., B.A., B.S., and Minor in Marketing

Department Statement

The department of marketing and finance currently serves the needs of about 200 undergraduate marketing majors and 200 undergraduate finance majors. Its faculty also teaches graduate-level courses in both disciplines, as well as the business communication course required of all undergraduate business majors. Many courses are offered that are of interest to majors outside the department and the College of Business and Economics, including courses covering such topics as personal investing, personal finance, real estate, customer satisfaction, and professional selling.

Students taking courses in the department are expected to perform at a level commensurate with students attending other business programs accredited by the American Assembly of Collegiate Schools of Business. Much of the curriculum is internationally oriented and involves computer applications and statistical analysis. Students can expect considerable outside-of-the-classroom work geared toward identifying and solving real-world problems. Research undertaken by the faculty also helps ensure that students receive up-to-date knowledge in their chosen fields.

The goal of the department is to help prepare graduates to identify market and business opportunities, assess risks relative to returns, and gather the resources necessary to capitalize on opportunities. The department also aims to prepare students for participation in the growth, development, and profitability of selected projects or ventures. Only through this educational approach will tomorrow's new business leaders find success in a world characterized by constant and rapid change.

Degree Requirements

The finance curriculum is designed with major emphasis in the three areas of finance: corporate finance, investment and portfolio management, and financial institutions and markets. Students can select a general program or may concentrate course selection around the broad areas of finance. The course offerings are preparation for financial decision making using accounting and market information within a framework of economic theory. A major in the area of finance prepares students to deal with a wide range of financial situations, including those that concern businesses, financial institutions, individuals, and government.

Finance
Bachelor of Business Administration

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core courses	6
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
EC 205 Principles of Microeconomics	3
EC 206 Principles of Macroeconomics	3
P 101 General Psychology	3

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Finance (continued)	
Area III — see page 41 for list of approved courses	
Area III core course - (M 105 or M 111) Area III core course - (M 106 or M 204) Area III core course in a lab science	4-5 4-5 4
AC 205 Introduction to Financial Accounting AC 206 Introduction to Managerial Accounting	3 3
Upper-division accounting course	3
BU 328 Business Communication	3
EC 301 Money and Banking EC 303 Intermediate Microeconomics	3 3
*FI 303 Principles of Finance FI 304 Spreadsheets and Data Bases FI 410 Working Capital Management FI 411 Capital Budgeting and Planning FI 420 Management of Financial Institutions FI 421 Decision Processes in Banking FI 450 Investment Management FI 451 Frontiers in Financial Markets	3 1 3 3 3 3 3 3
GB 202 Legal Environment of Business *GB 450 Business Policies	3 3
*IS 310 Introduction to Management Information Systems	3
*MG 301 Management and Organizational Theory MG 401 Organizational Behavior	3 3
*MK 301 Principles of Marketing	3
PR 207 Statistical Techniques I PR 208 Statistical Techniques II *PR 345 Principles of Production Management	3 3 3
Major elective chosen from upper-division finance, accounting, or economics. If the elective is chosen from upper-division accounting or economics, advisor approval is required and written verification of the approval must be sent to the Graduation Evaluators in the Registrar's Office.	3
Nonbusiness electives The 19 hours must include courses from at least 2 of the 3 core areas defined in Chapter 11. However, selections are not restricted to the courses actually listed under Areas I, II and III. Elective credits beyond those 19 chosen from Areas I, II and III may be business courses or nonbusiness related.	19
Electives to total 128 credits	1-3
Total	128
NOTE: *These courses must be completed with a grade of C or higher before taking GB 450 Business Policies. To graduate, students must have a minimum of 40 upper-division (300/400-level) credit hours and 128 total credit hours.	

Students pursuing a degree from the College of Business and Economics may earn a minor in finance by satisfying the requirements listed below (in addition to the requirements of their major).

Finance Minor

Course Number and Title	Credits
FI 303 Principles of Finance FI 410 Working Capital Management FI 411 Capital Budgeting and Planning FI 450 Investment Management	3 3 3 3
Any two of the following: FI 371 Appraisal of Real Estate FI 372 Real Estate Investment and Taxation FI 373 Real Estate Finance FI 420 Management of Financial Institutions FI 421 Decision Processes in Banking FI 430 International Finance FI 451 Frontiers in Financial Markets FI 471 Appraisal of Income Properties	6
Total	18

The marketing curriculum is designed to provide students with a comprehensive background in marketing while still providing flexibility to adapt to individual and career goals. Therefore, the major requirements allow a student to choose from an array of courses. The course work stresses pragmatic applications of marketing concepts through cooperative programs with the local business community. The marketing program is designed to prepare students for a variety of career positions, including industrial sales, advertising, marketing research, and other marketing positions.

Marketing
Bachelor of Business Administration

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core courses	6
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication EC 205 Principles of Microeconomics EC 206 Principles of Macroeconomics P 101 General Psychology	3 3 3 3
Area III — see page 41 for list of approved courses	
Area III core course - (M 105 or M 111) Area III core course - (M 106 or M 204) Area III core course in a lab science	4-5 4-5 4
AC 205 Introduction to Financial Accounting AC 206 Introduction to Managerial Accounting	3 3
BU 328 Business Communication	3
EC 303 Intermediate Microeconomics	3
*FI 303 Principles of Finance	3
GB 202 Legal Environment of Business *GB 450 Business Policies	3 3
*IS 310 Introduction to Management Information Systems	3
*MG 301 Management and Organizational Theory MG 401 Organizational Behavior	3 3
*MK 301 Principles of Marketing MK 320 Marketing Management MK 307 Customer Behavior MK 415 International Marketing Research	3 3 3 3
PR 207 Statistical Techniques for Decision Making I PR 208 Statistical Techniques for Decision Making II *PR 345 Principles of Production Management	3 3 3
Marketing courses Marketing majors must take 18 hours of marketing-related electives, 9 of which must be upper-division marketing courses. The remaining courses must be approved by marketing advisors to provide for a personalized emphasis (a maximum of 3 internship credits is allowed in fulfillment of marketing electives).	18
Nonbusiness courses The 19 hours must include courses from at least two of the three core areas defined in Chapter 11. However, selections are not restricted to the courses actually listed under Areas I, II and III. Elective credits beyond those 19 chosen from Areas I, II, and III may be business courses or nonbusiness related.	19
Electives to total 128 credits	2-4
Total	128
NOTE: *These courses must be completed with a grade of C or higher before taking Business Policies GB 450. To graduate, students must have a minimum of 40 upper-division (300/400-level) credit hours and 128 total credit hours.	

Students pursuing a degree from the College of Business and Economics may earn a minor in marketing by satisfying the requirements listed below (in addition to the requirements of their major). Nonbusiness students wishing to earn a minor in marketing also must complete the lower-division requirements for the business minor to obtain the marketing minor.

Marketing Minor

Course Number and Title	Credits
MK 301 Principles of Marketing	3
MK 307 Customer Behavior	3
MK 320 Marketing Management	3
Upper-division marketing courses	9
Total	18

Course Offerings

Upper-division courses in the department of marketing and finance (those with a course number 300 or higher) provide higher-level instruction to students who have the skills necessary to perform at this level. In addition to fulfilling the specific prerequisites listed and meeting the general university requirements for junior standing, every student admitted to a course is expected: to communicate clearly and correctly so that assignments such as term papers and presentations can be completed effectively, to organize and solve problems using the techniques of intermediate level high school algebra, to use a microcomputer for simple word processing and spreadsheet applications.

See page 53 for a definition of the course-numbering system.

BU BUSINESS COMMUNICATION

Upper Division

BU 328 BUSINESS COMMUNICATION (3-0-3) (F/S). The effectiveness and correctness of writing and the psychology of letter writing will be stressed through the preparation of a variety of business messages. Specific memorandum and letter problems will be used in conjunction with various cases to provide students with realistic opportunities to develop writing skills necessary for entry-level performance. PREREQ: E 102.

BU 338 TECHNICAL WRITING FOR BUSINESS (3-0-3) (S). A study and application of the principles and logic of effective writing in the preparation of business reports and technical papers. Specific as well as general instruction in the gathering and interpreting of data, organizing of information, and writing of the final report. The case study approach will be used. PREREQ: BU 328.

FI FINANCE

Lower Division

FI 201 FUNDAMENTALS OF REAL ESTATE (3-0-3) (F/S). Essentials of real estate practice, listings, sales, financing, land descriptions, investments, brokerage, advertising, market analysis, and fundamentals arising from real estate transactions.

FI 208 PERSONAL FINANCE (3-0-3) (F/S). This course addresses the growing complexity of financial decision-making faced by the individual: how to avoid financial entanglements; installment buying; borrowing money; owning or renting a home; budgeting and money management; savings and investment alternatives; life, health, accident and auto insurance; and personal income taxes and estate planning.

FI 220 LAW OF REAL ESTATE (3-0-3) (F/S). Designed to review the laws establishing and governing basic rights of ownership and use of real estate. The concepts of the modern real estate transaction, the real estate brokerage business, and the various legal relationships involved are discussed. PREREQ: FI 201 and GB 202.

FI 231 PRINCIPLES OF INSURANCE (3-0-3) (F/S). Fundamental legal principles involved in insurance contracts. Company practices in relation to insurance management are stressed, as is the field of regulation on both the theoretical and practical applications. All areas of insurance are covered including life, casualty, liability, and medical.

FI 250 PERSONAL INVESTING (3-0-3) (F/S). The basic mechanics and principles of investing are introduced to acquaint students with investment vehicles, markets, and processes. Other topics will include speculation, options, and commodities.

Upper Division

FI 303 PRINCIPLES OF FINANCE (3-0-3) (F/S). An introductory course focusing on financial management for business concerns. Topics include: allocation of resources for investment in short- and long-term assets, decisions with respect to debt and equity financing, and dividend policy. Lectures and reading are blended with problems and cases for class discussion. PREREQ: AC 206, EC 205, EC 206 and PR 207.

FI 304 SPREADSHEETS AND DATA BASES (1-0-1) (F,S). This course focuses on applications of computer spreadsheets and data bases in financial decision making. The standard software products utilized in financial analysis are introduced, with emphasis placed on using available software to solve problems that frequently arise in finance. Applications include the development of loan amortization schedules, financial statement analysis, capital budgeting, and the valuation of financial securities. PREREQ or COREQ: FI 303.

FI 371 APPRAISAL OF REAL ESTATE (3-0-3) (F/S). Modern real estate appraising concepts and the technical skills employed in their application to residential property. PREREQ: FI 201 or PERM/INST.

FI 372 REAL ESTATE INVESTMENT AND TAXATION (3-0-3) (F/S). Real estate from the investor's (owner's) point of view with special attention to the tax aspects, including risk and return analysis, property leverage, discounted cash flow, tax consequence of sales, exchanging, multiple exchanges, and computerized investment analysis. PREREQ: FI 201, FI 220 and FI 303 or PERM/INST.

FI 373 REAL ESTATE FINANCE (3-0-3) (F/S). Financial analysis and examination of the intricacies of the real estate mortgage markets, source of mortgage funds, federal government and mortgage markets, lending decisions, management of loan portfolios, leasing, construction financing, creative financing, and financing of specific types of real property. PREREQ: FI 201 and FI 303 or PERM/INST.

FI 410-410G WORKING CAPITAL MANAGEMENT (3-0-3) (S). This course considers the short-term financial management of a firm. Financial analysis of past, present, and future operations is emphasized. Cash flow analysis, management of current accounts, and cost benefit analysis are stressed. Case discussions provide a merging of theoretical concepts and practical application. PREREQ: FI 303.

FI 411-411G CAPITAL BUDGETING AND PLANNING (3-0-3) (F). Acquisition and allocation of long-term sources of funds are the subject of this course. Emphasis is placed on fund raising and the problems associated with measurement and structural influences on the firm's cost of capital. Cash-flow analysis and alternative investment decision rules are examined. Cases are used for classroom discussion as a link between theory and practice. PREREQ: FI 303 and PR 208.

FI 420-420G MANAGEMENT OF FINANCIAL INSTITUTIONS (3-0-3) (F). The interaction between financial institutions and financial markets are examined and their roles in the economy are discussed. Emphasis is placed on the changes taking place within the financial community, the effects on financial institutions in general, and commercial banking in particular. PREREQ: EC 301 and FI 303.

FI 421-421G DECISION PROCESSES IN BANKING (3-0-3) (S). The topics included in this course are those which involve the specific decision-making areas faced by participants in the banking industry. These decision areas include the management of liquidity reserves and securities portfolios; consumer, business and real estate loans; liability control; asset-liability management; trust banking; and international banking. PREREQ: EC 301 and FI 303.

FI 430-430G INTERNATIONAL FINANCE (3-0-3) (F). Builds a strong foundation on the relationship among international financial markets. Included is exchange rate determination and parity conditions across countries. Once the foundation is built, the multinational firm is examined in this framework. Included is working capital management, capital budgeting, and cost of capital for the multinational firm. PREREQ: FI 303.

FI 450-450G INVESTMENT MANAGEMENT (3-0-3) (F). Examines the U.S. securities markets from both a theoretical and a practical viewpoint. Topics include mechanics of direct investment, measurement and management of risk and return, the Efficient Market Hypothesis, Modern Portfolio Theory, the Capital Asset Pricing Model, and analysis of investment performance. Class format incorporates lecture and readings and may include guest lecturers. PREREQ: FI 303 and PR 208.

FI 451-451G FRONTIERS IN FINANCIAL MARKETS (3-0-3) (S). Focuses on both recent and past innovations in the securities markets. Futures contracts and options and the theory of hedging, using both agricultural and financial futures contracts, options writing, and index options, are stressed. A combination of theory and practice will be sought relying on lecture, text material and journal and trade articles, and may include guest speakers. PREREQ: FI 303 and PR 208.

FI 471 APPRAISAL OF INCOME PROPERTIES (3-0-3) (F/S). Following a review of the steps leading to the estimation of net income, all prevalent methods and techniques of converting net income into an indication of value are fully covered. Direct capitalization, the residual techniques, and capitalization roles are analyzed. PREREQ: FI 303, FI 371 or PERM/INST.

FI 498-499 SENIOR SEMINAR IN FINANCE (3-0-3) (F/S). Designed to provide an opportunity for study of a particular area of finance at an advanced level. Builds background developed in the regularly scheduled finance courses. The topics offered will be selected on the basis of their timely interest to finance students and a particular expertise of the instructor. PREREQ: FI 303 and PERM/INST.

MK MARKETING

Lower Division

MK 201 CURRENT ISSUES IN MARKETING AND POPULAR CULTURE (3-0-3) (F). This course offers all majors an introduction to the basic principles of marketing in the

context of popular culture. Students learn to analyze popular culture elements (television, movies, sports, advertising, magazines, the arts, etc.) as "products" that are "consumed" by audiences. Students learn the fundamentals of target marketing, segmentation, product positioning, competitive advantage, pricing, advertising and promotion, and market research. A major course project is required.

Upper Division

MK 301 PRINCIPLES OF MARKETING (3-0-3) (F,S). Describes the methods of identifying and interpreting wants and needs of people; selecting the particular wants and needs the organization will satisfy; and determining the product, price, promotion, and place in a proper mix.

MK 306 MARKETING COMMUNICATIONS (3-0-3) (F/S). A comprehensive approach to creating and implementing marketing communications activities, including advertising, sales promotions, event sponsorships, direct marketing, public relations, and business/store image. Students complete a course project involving development of an actual marketing communications plan for a local business. Relevant social, cultural, and ethical issues also are emphasized. PREREQ: MK 301.

MK 307 CUSTOMER BEHAVIOR (3-0-3) (F/S). Concepts in and analysis of consumer and group satisfaction attributes, methods of measurement, and processes to guide decisions using this knowledge. PREREQ: MK 301.

MK 320 MARKETING MANAGEMENT (3-0-3) (F,S). Marketing principles and theories integrated with analytical and behavioral decision processes. Emphasis on problem and opportunity recognition, marketing strategies, and planning and administering marketing programs. Consumer, industrial, institutional, and international markets are considered. PREREQ: MK 301 and satisfactory completion of computer competency exam.

MK 321 PROFESSIONAL SELLING (3-0-3) (F). A basic selling course providing an overview of professional selling techniques and careers in sales. Emphasis is on identifying potential customers and building customer-supplier long-term relationships. Applicable to both consumer and organizational markets.

MK 340 SERVICES MARKETING (3-0-3) (F). Examines the problems and strategies used in services marketing. Methods of evaluating quality in service development and delivery will be analyzed. Design and implementation of the services marketing mix will be studied through discussion, readings, and selected case analysis. PREREQ: MK 301.

MK 401 ADVERTISING RESEARCH AND STRATEGY (3-0-3) (S). This course is designed to promote strategic thinking and research skills, as well as some hands-on experience that will prepare students for work in the field of marketing communications. Students complete two major projects: (1) research and strategy, and (2) advertising and promotional consulting for nonprofit organizations. PREREQ: MK 306 or PERM/INST.

MK 415-415G INTERNATIONAL MARKETING RESEARCH (3-0-3) (F/S). Theory and the use of research for marketing decisions faced by global managers. Emphasizes planning, designing, and implementing research activities within a cross-cultural context. PREREQ: MK 301 and PR 208.

MK 418 CUSTOMER SATISFACTION MEASUREMENT (3-0-3) (F/S). This course introduces students to the concept and process of measuring customer satisfaction. The specific issues connected with designing and implementing customer satisfaction programs will be presented. Included will be an analysis of how customer satisfaction data can be integrated into the operations of the organization. Such topics as internal and external benchmarking, survey techniques, and survey data analysis will be discussed. PREREQ: MK 301.

MK 421 SALES ADMINISTRATION (3-0-3) (F/S). Management of sales organizations with emphasis on selection, motivation, and supervision of salespeople. Ethics, social responsibilities, and coordination with other functional areas also considered. PREREQ: MK 301, MK 321.

MK 425 MARKETING PLANNING APPLICATIONS (3-0-3) (F/S). Real world study of marketing problems. Emphasis on live marketing problem definition, situational analysis, identification and evaluation of alternative solutions, decision criteria, presentation of a "best" solution, and programmatic design to accomplish desired objectives. PREREQ: MK 320.

MK 430 INTERNATIONAL MARKETING (3-0-3) (F/S). An analysis of the creation, planning, and implementation of marketing strategies that cross national and cultural borders. PREREQ: MK 301.

MK 436 INTERNATIONAL PROMOTION (3-0-3) (F). A comprehensive approach to creating and implementing promotional activities within a cross-cultural environment. All aspects of the promotional mix are discussed, such as personal selling, advertising, sales promotion, and public relations. Cultural sensitivity and ethical considerations are stressed. PREREQ: MK 430.

MK 437 INTERNATIONAL CHANNELS OF DISTRIBUTION (3-0-3) (S). Discussion of the behavioral processes which affect international channels. Emphasizes the design of international channels and how to motivate channel members from various cultural backgrounds. Physical distribution, especially that pertaining to just-in-time delivery systems, is analyzed. PREREQ: MK 430.

MK 440 INDUSTRIAL MARKETING (3-0-3) (F/S). An analysis of activities related to the marketing of products and services to organizations including government agencies, profit and nonprofit institutions, and commercial enterprises. PREREQ: MK 301.

MK 493 INTERNSHIP (number of credits varies). Internship credits are earned in supervised field work specifically related to a student's major. To enroll in 493 a student must have attained a cumulative grade-point average of 2.00 or higher. No more than 12 internship credits may be used to meet degree requirements or university graduation requirements. PREREQ: MK 301 and PERM/INST.

MK 498 SEMINAR IN CONTEMPORARY TOPICS IN MARKETING. Provides an opportunity for the study of topics of current interest in marketing. The topics will be selected based upon the interests of students and expertise of faculty. PREREQ: MK 301.

Mass Communication/Journalism — see Department of Communication

Department of Mathematics and Computer Science

Math-Geosciences Building, Room 235 Telephone 208 385-1172
http://math-cs.idbsu.edu Fax 208 385-1356
e-mail: office@math-cs.idbsu.edu

Chair and Associate Professor: Stephen Grantham. *Professors:* Anderson, Eastman, Hausrath, Hughes, Juola, Kerr, Lamet, Maloof, Mech, Scheepers, Sulanke, Ward. *Associate Professors:* Ayers, Bartoszynski, Feldman, Ferguson, Griffin, Jarratt, Kenny. *Assistant Professors:* Buffenbarger, Bullock, Holmes, Jain, Kania-Bartoszynska, MacKenzie, Walen.

Degrees Offered

- B.S.and Minor in Computer Science
- B.A., B.S., and Minor in Mathematics
- B.A. and B.S. in Mathematics, Secondary Education Option
- Minor in Applied Mathematics
- M.S. in Education, Mathematics Emphasis (See the *BSU Graduate Catalog* .)

Department Statement

Mathematics and computer science are two distinct fields, but both are concerned with abstraction, precision, patterns, and problem-solving. Computer science is built on a solid foundation of mathematics, and in turn provides tools that are useful for exploring and solving problems in mathematics and many other disciplines. Mathematics is an extremely theoretical discipline with a remarkably wide array of applications. Mathematicians are concerned with aesthetics and elegance, but their discoveries sometimes prove surprisingly practical.

The department's B.S. in computer science is accredited by the Computer Science Accreditation Commission (CSAC) of the Computing Sciences Accreditation Board (CSAB), a specialized accrediting body recognized by the Council on Postsecondary Accreditation (COPA) of the U.S. Department of Education. Graduates of this program are well-prepared for graduate study in computer science or employment in such areas as software engineering or system administration.

The mathematics, secondary education option prepares students to teach mathematics at the junior high or senior high school level. It combines a broad background in mathematics with a firm foundation in educational theory and methodology.

The mathematics major provides the most flexibility of our three baccalaureate degrees; it requires a certain amount of breadth in mathematical preparation but allows a student to choose which area or areas of mathematics to study in more depth.

Degree Requirements

Computer Science
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III requirements are automatically met by specific courses included in the major requirements below.	
A year's sequence in a laboratory science Either C 131, 132, 133, 134 College Chemistry and Lab **OR** PH 211, 212 Mechanics, Waves and Heat **AND** PH 213, 214 Electricity, Magnetism and Optics	9-10
CS 125 Introduction to Computer Science I	5
CS 127 Introduction to Computer Science II	4
CS 223 Low-Level Programming	3
CS 242 Data Structures and Algorithms	4
CS 353 Operating Systems	4
CS 354 Programming Languages	4
CS 441 Computer Architecture and Organization	3
CS 451 Programming Language Translation	4
CS 461 Theory of Computation	3
CS 471 Software Engineering	3
One computer science course chosen from the following: CS 341 Introduction to Computer Graphics CS 410 Database Theory CS 430 Parallel and Distributed Computing CS 525 Network Protocols and Programming	3-4
Required mathematics courses:	
M 156 Discrete and Foundational Mathematics	4
M 204, 205 Calculus and Analytic Geometry	9
M 361 Probability and Statistics I	4
One mathematics course chosen from the following: M 301 Linear Algebra M 333 Differential Equations with Matrix Theory M 340 Numerical Analysis M 445 Combinatorics	3-4
EX 330, 331 Digital Logic Systems and Lab	4
One additional science or engineering course chosen from an approved list available in the department office	3-5
Upper-division electives to total 40 credits	0-5
Electives to total 128 credits	14-17
Total	128

Computer Science Minor

Course Number and Title	Credits
M 204, 205 Calculus and Analytic Geometry	9
M 156 Discrete and Foundational Mathematics	4
CS 125 Introduction to Computer Science I	5
CS 127 Introduction to Computer Science II	4
CS 242 Data Structures	4
Upper-division computer science course	3-4
Total	29-30

Mathematics
Bachelor of Arts or Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field (B.A. must complete 3 credits of Area I core literature)	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field (B.A. must complete 3 credits of Area II core history)	3
Area III — see page 41 for list of approved courses	
M 204 Calculus and Analytic Geometry	5
At least 8 credits chosen from the following: BT 130, C 131, 132, 133, 134, GO 101, PH 211, 212, 213, 214, Z 230	8-10
One of the following: CS 113 Introduction to Pascal CS 115 Introduction to C CS 125 Introduction to Computer Science I	2-5
M 156 Discrete and Foundational Mathematics	4
M 205 Calculus and Analytic Geometry	4
M 301 Linear Algebra	4
M 314 Foundations of Analysis	3
M 324 Multivariable and Vector Calculus	4
M 361 Probability and Statistics I	4
2 of the following: M 305 Abstract Algebra I M 306 Number Theory M 311 Foundations of Geometry M 326 Complex Analysis M 333 Differential Equations with Matrix Theory M 340 Numerical Analysis	6-8
3 of the following: M 405 Abstract Algebra II M 411 Introduction to Topology M 414 Advanced Calculus M 436 Partial Differential Equations M 445 Combinatorics M 456 Linear Programming M 462 Probability and Statistics II	9-12
Upper-division electives to total 40 credits	5-10
Electives to total 128 credits	30-35
Total	128

Mathematics, Secondary Education
Bachelor of Science or Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field (B.A. must complete 3 credits of Area I core literature)	3
Area II — see page 41 for list of approved courses	
TE 201 Foundations of Education	3
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in any field (B.A. must complete 3 credits of Area II core history)	3
Area III — see page 41 for list of approved courses	
M 204, 205 Calculus and Analytic Geometry	9
Area III core course in a lab science	4
CS 125 Introduction to Computer Science I	5
M 156 Discrete and Foundational Mathematics	4
M 301 Linear Algebra	4
M 311 Foundations of Geometry	3
M 314 Foundations of Analysis	3
M 361 Probability and Statistics I	4
M 464 Mathematical Modeling	3
M 490 Mathematics in Secondary Schools	3
M 305 Abstract Algebra I **OR** M 306 Number Theory	3
Either 9 additional credits in Mathematics for a total of 45, or an approved minor certification area outside Mathematics. (See "Teacher Education" in this catalog).	9-25
TE 172 Intro to Secondary Teaching: Classroom Observation	1
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 Education of Exceptional Secondary Students	1
TE 381 Secondary School Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
TE 482 Junior High School Student Teaching **AND** TE 483 Senior High School Student Teaching **OR** TE 484 Junior High Student Teaching **OR** TE 485 Senior High Student Teaching	10-16
Electives to total 128 credits	0-21
Total	128

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See "Teacher Education" for more information.

Mathematics Minor

Course Number and Title	Credits
M 156 Discrete and Foundational Mathematics	4
M 204, 205 Calculus and Analytic Geometry	9
Upper-division mathematics (M prefix except for M 490 **OR** above), including at least one of the following: M 305 Abstract Algebra I M 306 Number Theory M 311 Foundations of Geometry M 314 Foundations of Analysis	9
Total	22

Applied Mathematics Minor

Course Number and Title	Credits
M 204, 205 Calculus and Analytic Geometry	9
M 324 Multivariable and Vector Calculus	4
Upper-division mathematics chosen from the following: M 301 Linear Algebra M 326 Complex Analysis M 333 Differential Equations with Matrix Theory M 340 Numerical Analysis M 361 Probability and Statistics I M 436 Partial Differential Equations M 456 Linear Programming M 462 Probability and Statistics II M 464 Mathematical Modeling	9-12
Total	22-25

Mathematics Teaching Minor

Course Number and Title	Credits
CS 125 Introduction to Computer Science I	5
M 204, 205 Calculus and Analytic Geometry	9
At least one of the following: M 301 Linear Algebra M 305 Abstract Algebra I M 311 Foundations of Geometry M 361 Probability and Statistics I	3-4
Courses in computer science/mathematics to complete 20 credits	2-3
Total	20

Course Offerings

See page 53 for a definition of the course-numbering system.

Evening and summer sections of large-enrollment, multi-section service courses are offered on a regular basis. For other courses, evening and summer sections are offered only upon sufficient demand. Students should contact the department well in advance (at least a semester) to request such course offerings.

CS COMPUTER SCIENCE

Lower Division

CS 113 INTRODUCTION TO PASCAL (2-0-2) (F/S). An introduction to the syntactic and execution characteristics of Pascal. Provides experience translating simple algorithms into Pascal programs: coding, compiling, finding, and correcting syntax errors, and executing the programs. PREREQ: Satisfactory score on mathematics placement examination.

CS 115 INTRODUCTION TO C (2-0-2) (F/S). An introduction to the syntactic and execution characteristics of C, including selection statements, loops, arrays, functions, and pointers. Construction, compilation, debugging, and execution of complete programs that implement given algorithms or solve simple problems. Previous programming experience is recommended, though not mandatory; C is not ideal as a first programming language. PREREQ: Satisfactory score on mathematics placement examination.

CS 125 INTRODUCTION TO COMPUTER SCIENCE I (5-0-5) (F,S). Data and procedure abstraction. Problem-solving techniques, recursive algorithms, basic searching and sorting techniques. Introduction to object-based programming The software development process (specification, design, stepwise refinement). Social and ethical issues in computing. Note: it is recommended that students with no prior computing experience take CS 113 prior to this course. PREREQ: M 111 or M 106 or satisfactory score on mathematics placement examination.

CS 127 INTRODUCTION TO COMPUTER SCIENCE II (4-0-4) (F,S). Proofs of program correctness, including induction and recursion. Introduction to the analysis of time and space requirements. Object-oriented programming, including hierarchies and inheritance. Abstract data types—both basic (list, tree, set, and relation) and derived (queues, stacks, priority queues, and dictionaries)— and their implementation and applications. Concrete data structures (linked lists, binary search trees, hash tables, etc.) PREREQ: CS 125 and M 156.

CS 223 LOW-LEVEL PROGRAMMING (3-0-3) (S). An introduction to low-level programming. Data representation, machine instructions, addressing modes, linking,

macros, system calls, use and operation of assemblers, and basic computer architecture. PREREQ or COREQ: CS 127 or PERM/INST.

CS 242 DATA STRUCTURES AND ALGORITHMS (4-0-4) (F). Basic data structures (continued from CS 127), introduction to design and analysis of algorithms, fundamental algorithms for sequences, sets, graphs and combinatorial problems, introduction to complexity of problems and to parallel and distributed algorithms. Examples are drawn from various areas of computer science. PREREQ: CS 127 or PERM/INST.

Upper Division

CS 341 INTRODUCTION TO COMPUTER GRAPHICS (3-0-3) (F). The mathematics and programming techniques of computer graphics, including line drawing, presentation graphics, two- and three- dimensional transformations, hidden line and surface removal, and clipping. PREREQ: M 324 and CS 125.

CS 353 OPERATING SYSTEMS (4-0-4) (F). File systems and buffer caching algorithms. Memory management. Process structure, control and scheduling algorithms. Interprocess communication techniques. PREREQ: CS 223 and CS 242 or PERM/INST.

CS 354 PROGRAMMING LANGUAGES (4-0-4) (S). A comparison of current languages (such as FORTRAN, ICON, LISP, ADA), their programming and design. Syntax and semantics. Information binding, strings, arithmetic, input/output. Recursion, extensibility. PREREQ: CS 127 or PERM/INST.

CS 410 DATABASE THEORY (4-0-4) (S). A study of the theoretical foundations of database management systems. Design and implementation of alternatives for various database models, including but not limited to, hierarchical, network, and relational models. Comparison of the reliability, security and integrity of various database systems. Implementation of a simple system. PREREQ: CS 242 or PERM/INST.

CS 426 LINEAR SYSTEMS AND SIGNAL PROCESSING (4-0-4) (F). Introduction to linear systems and Fourier analysis of continuous and discrete signals. Examples and applications will be drawn from the physical, biological, and social sciences. PREREQ: M 333 and a knowledge of FORTRAN, BASIC, or Pascal or PERM/INST.

CS 430 PARALLEL AND DISTRIBUTED COMPUTING (4-0-4) (F). Motivation for parallel computation and survey of different models. Fundamental techniques used in parallel algorithms. Implementation on parallel machines and simulations on clusters of workstations. Distributed computing versus parallel computing. Models for distributed computing. Examples of distributed programming environments. PREREQ: CS 242 or PERM/INST.

CS 441 COMPUTER ARCHITECTURE AND ORGANIZATION (3-0-3) (S). Structure of computer systems using processors, memories, input/output (I/O) devices as building blocks. Computer system instruction set design and implementation, including memory hierarchies and pipelining and microprogramming. Issues and trade-offs involved in the design of computer system architectures with respect to the design of instruction sets. PREREQ: EX 330, EX 331, and CS 223 or PERM/INST.

CS 451 PROGRAMMING LANGUAGE TRANSLATION (4-0-4) (S). Assembler language programming, theory and practice of formal language translation, and experience with compiler construction tools under UNIX. Students work on significant projects. PREREQ: CS 242 and CS 354 or PERM/INST.

CS 461 INTRODUCTION TO THE THEORY OF COMPUTATION (3-0-3) (F). Grammars, automata, Turing machines, decidability and complexity, language hierarchies, normal forms, NP completeness and reducibilities. Applications will be drawn from various areas of computer science. PREREQ: CS 242 or PERM/INST.

CS 471 SOFTWARE ENGINEERING (3-0-3) (F). A formal study of the software development process. Topics include: life cycle models, requirements definition, specification, design, implementation, validation, verification, maintenance, and reuse. Students work in small teams on significant projects. PREREQ: CS 242 or PERM/INST.

M MATHEMATICS

Lower Division

M 012 ARITHMETIC REVIEW (2-0-0) (F,S). A review course for those who have forgotten how to add, subtract, multiply and divide using whole numbers, fractions, decimals, percents and signed numbers. Applications include measures of weight, area, and volume.

M 020 ELEMENTARY ALGEBRA (3-0-0). A refresher course covering fundamental operations, linear equations and inequalities, exponents, polynomials, factoring, and the quadratic formula. Designed to bring the student to the level of proficiency required for M 100, 103, 105, or 108.

M 100 MATHEMATICS FOR LIBERAL ARTS STUDENTS (4-0-4) (F,S) (Area III) [MATH 124]. Designed for liberal arts students. Emphasis is on the nature of mathematical knowledge, its meaning, methodology, and use. Generally, topics will be selected from the elementary materials in set theory, logic, number theory, algebra, geometry, probability, statistics, and graph theory. PREREQ: Satisfactory score on mathematics placement examination.

M 103 STRUCTURE OF ARITHMETIC FOR TEACHERS (3-2-4) (F,S). The study of number systems from whole numbers through the reals: numeration, number operations, algorithms, and properties. The course includes a laboratory component which makes use of physical models appropriate to the content of the course. PREREQ: High school geometry and a satisfactory score on the mathematics placement exam.

M 104 GEOMETRY AND PROBABILITY FOR TEACHERS (3-2-4) (F,S). Probability, geometric concepts and principles, measurement, and topics selected from graphing or computing. The course includes a laboratory. PREREQ: M 103.

M 105 MATHEMATICS FOR BUSINESS DECISIONS (4-0-4) (Area III) [MATH 130]. Matrices, systems of linear equations, graphing, linear programming, discrete probability. PREREQ: Satisfactory score on mathematics placement examination.

M 106 MATHEMATICS FOR BUSINESS DECISIONS (4-0-4) (Area III) [MATH 160]. Limits, derivatives, curve sketching, partial derivatives, optimization problems and integrals. PREREQ: M 105, 108, or 111.

M 108 INTERMEDIATE ALGEBRA (4-0-4). Radicals, negative and rational exponents, completing the square, quadratic formula. Linear and quadratic inequalities (including absolute value); simple systems of equations and inequalities. Multiplication of polynomials; basic factorization techniques. Manipulation of rational expressions, compound fractions, rationalization of denominator (or numerator). Introduction to the concept of function, graphs of functions and equations. Introduction to exponential and logarithmic expressions. MATH 108 is NOT a Core course, and cannot be taken for credit after any MATH course numbered M 111 or higher. PREREQ: M 020 or satisfactory placement score.

M 111 ALGEBRA AND TRIGONOMETRY (5-0-5) (Area III) [MATH 147]. Equations and inequalities, systems of linear equations or inequalities, functions and their inverses, exponential and logarithmic functions, graphing, sequences, mathematical induction, binomial theorem, basic theory of equations, trigonometry of triangles, circular functions, inverse trigonometric functions, trigonometric identities, solution to trigonometric equations, and De Moivre's theorem. PREREQ: Satisfactory score on mathematics placement examination.

M 120 APPLIED STATISTICS WITH THE COMPUTER (4-0-4) (S). Pre-calculus treatment of probability and statistics. Emphasis on concepts and applications rather than on proofs. Use of available computer statistics packages to handle computations. PREREQ: M 108 or M 111.

M 156 DISCRETE AND FOUNDATIONAL MATHEMATICS (4-0-4) (F/S). Designed to prepare the student for both computer science and upper-division mathematics. Discrete topics include elementary number theory and modular arithmetic, fundamental principles of combinatorial enumeration, and basic concepts of graph theory. Foundational topics include propositional and predicate logic, the nature of proof, mathematical induction, functions, and relations. PREREQ: M 111 or PERM/INST.

M 204 CALCULUS AND ANALYTIC GEOMETRY (5-0-5) (Area III) [MATH 170]. Plane analytic geometry, functions, limits, and continuity. The derivative and applications. The integral and applications. Conic sections and translation of axes. PREREQ: Satisfactory score on mathematics placement examination.

M 205 CALCULUS AND ANALYTIC GEOMETRY (4-0-4) (Area III) [MATH 175]. Calculus of exponential, logarithmic, and trigonometric functions. Techniques of integration. Conic sections and rotation of axes. Indeterminate forms, Taylor's Formula, and infinite series. PREREQ: M 204.

Upper Division

M 301 LINEAR ALGEBRA (4-0-4) (F,S). Matrix algebra, determinants, vector spaces, and linear transformations. PREREQ: M 324, or both M 205 and M 156.

M 305 ABSTRACT ALGEBRA I (3-0-3) (S). Introduction to abstract algebraic systems—their motivation, definitions, and basic properties. Primary emphasis is on group theory (permutation and cyclic groups, subgroups, homomorphism, quotient groups), followed by a brief survey of rings, integral domains, and fields. PREREQ: M 156 and M 205.

M 306 NUMBER THEORY (3-0-3) (F). Diophantine equations, residues, quadratic reciprocity, and continued fractions. PREREQ: M 156 and M 205.

M 311 FOUNDATIONS OF GEOMETRY (3-0-3) (S). Euclidean, non-Euclidean, and projective geometries from an axiomatic point of view. PREREQ: M 156 and M 205.

M 314 FOUNDATIONS OF ANALYSIS (3-0-3) (F). The real number system, completeness and compactness, sequences, continuity, foundations of the calculus. PREREQ: M 156 and M 205.

M 323 MULTIVARIABLE CALCULUS (2-1-2). Vectors, functions of several variables, partial and directional derivatives, gradient, chain rule, optimization, multiple and iterated integrals. Laboratory component emphasizes use of software such as Maple or Mathematica for visualization, exploration, and solution of "real-world" problems. Generally offered as the first nine weeks of M 324; cannot be taken for credit after M 324. PREREQ: M 205.

M 324 MULTIVARIABLE AND VECTOR CALCULUS (3-2-4). Vectors, functions of several variables, partial and directional derivatives, gradient, chain rule, optimization, multiple and iterated integrals. Parametric curves and surfaces, vector fields, divergence and curl, line and surface integrals, Green's Stokes' and divergence theorems. Laboratory component emphasizes use of software such as Maple or Mathematica for visualization, exploration, and solution of "real-wold" problems. Carries only 2 credits if taken after M 323. PREREQ: M 205.

M 326 COMPLEX ANALYSIS (3-0-3) (S). Complex numbers, functions of a complex variable, analytic functions, infinite series, integration, the residue theorem and conformal mapping. PREREQ: M 324. Offered spring of even-numbered years, subject to sufficient demand.

M 333 DIFFERENTIAL EQUATIONS WITH MATRIX THEORY (4-0-4). Use of differential equations to model phenomena in sciences and engineering. Solution of differential equations via analytic, qualitative and numerical techniques. Linear and nonlinear systems of differential equations. Introduction to matrix algebra, determinants, eigenvalues, and solutions of linear systems. Laplace transforms. PREREQ: M 205.

M 340 NUMERICAL ANALYSIS (4-0-4) (S). The application of numerical methods to the interpretation and analysis of data, solution of equations, general iterative methods, approximation of functions, and error analysis. PREREQ: M 324 and a working knowledge of BASIC, FORTRAN or PASCAL. Offered spring of odd-numbered years, subject to sufficient demand.

M 360 ENGINEERING STATISTICS (3-0-3). Calculus-based survey of statistical techniques used in engineering. Data collection and organization, basic probability distributions, sampling, confidence intervals, hypothesis testing, process control, simple regression techniques, design of experiments. Emphasis on examples and applications to engineering, including product reliability, robust design and quality control. PREREQ: M 323 or 324.

M 361 PROBABILITY AND STATISTICS I (4-0-4). Calculus-based treatment of probability theory, random variables, distributions, conditional probability, central limit theorem, descriptive statistics, regression and correlation, tests of hypotheses, design of experiments, and sampling surveys. Differs from M 360 by providing more thorough coverage of theoretical foundations and wider variety of applications, which are drawn from natural and social sciences as well as engineering. PREREQ: M 205.

M 405 ABSTRACT ALGEBRA II (4-0-4) (F). Sylow theorems, solvable groups, rings and ideals, rings of polynomials, factorization, fields and extensions, Galois theory. PREREQ: M 301 and M 305. Offered fall of odd-numbered years, subject to sufficient demand.

M 411 INTRODUCTION TO TOPOLOGY (3-0-3) (S). Sets, metric spaces, topological spaces, continuous mappings, connectedness, and compactness. PREREQ: M 314. Offered spring of even-numbered years, subject to sufficient demand.

M 414 ADVANCED CALCULUS (4-0-4) (S). Infinite series, sequences and series of functions, uniform convergence, theory of integration (Riemann and Stieltjes), further topics as time permits. PREREQ: M 324, M 301, M 314. Offered spring of odd-numbered years, subject to sufficient demand.

M 436 PARTIAL DIFFERENTIAL EQUATIONS (3-0-3) (F). Theory of partial differential equations and boundary value problems with applications to the physical sciences and engineering. Detailed analysis of the wave equation, the heat equation, and Laplace's equation using Fourier series and other tools. PREREQ: M 333. Offered fall of even-numbered years, subject to sufficient demand.

M 445 COMBINATORICS (3-0-3) (F). Advanced techniques of enumeration, manipulation of sums, recurrences, generating functions, and special integer sequences. Selected topics from graph theory, partially ordered sets, combinatorial designs, and optimization. Emphasis on constructive techniques. PREREQ: M 156 and M 361. Offered fall of even-numbered years, subject to sufficient demand.

M 456-456G LINEAR PROGRAMMING (4-0-4) (S). Simplex algorithm, two-phase method, simplex algorithm for problems with bounded variables, duality theory, post-optimality analysis, network simplex method, and the transportation and assignment problems. PREREQ: M 301. Offered spring of even-numbered years, subject to sufficient demand.

M 462 PROBABILITY AND STATISTICS II (4-0-4) (F). A review of the concept of probability space and random variable; expectation and moment-generating functions leading to the central limit theorem: multiple factor analysis of variance; multiple linear regression; nonparametric tests. PREREQ: M 301, M 361, and either M 323 or M 324. Offered fall of odd-numbered years, subject to sufficient demand.

M 464 MATHEMATICAL MODELING (3-0-3) (F). Introduction to mathematical modeling through case studies. Deterministic and probabilistic models. Optimization. Examples will be drawn from the physical, biological, and social sciences. PREREQ: M 361 or PERM/INST.

M 490 MATHEMATICS IN SECONDARY SCHOOLS (3-0-3) (F). Objectives, content, and methods of secondary school mathematics programs. PREREQ: Six hours of mathematics completed at or above the 300-level.

Medical Technology — see Department of Health Studies

Medicine - pre-professional program — see Department of Health Studies

Mexican-American Studies — see Department of Sociology

Department of Military Science (Army ROTC)

Pavilion, Room 2016 Telephone 208 385-3500
http://www.idbsu.edu/milsci/armyrotc Fax 208 343-0543
e-mail: armyrotc@bsu.idbsu.edu

CADRE: *Chair and Professor:* Lieutenant Colonel Phillip G. Paulter. *Assistant Professors:* Battles, Smyth, Willey. *Instructors:* Hare, Motley.

Department Statement

The Reserve Officers' Training Corps (ROTC) was established at Boise State University in 1976 under provisions recommended to the State Board of Education and in accordance with national requirements. Participation by students in the program is voluntary.

The objective of the senior division, Army ROTC, is to provide students who have the ability and desire the opportunity to become commissioned officers in the United States Army, Army Reserve, and Army National Guard.

Scope of Instruction

Instruction in ROTC is divided into the basic course and the advanced course. Each is described below.

General The complete course of instruction leading to a commission as a second lieutenant consists of four years of academic classes and one 6-week summer camp, or two years of academic classes and two summer camps. Training in leadership is emphasized. Instruction is given in subjects common to all branches of the Army, with stress placed on the following: organization of the Army and ROTC; individual weapons and marksmanship; military history; management; leadership; map reading, land navigation and orienteering; U.S. Army and national security; military teaching principles; tactics; communications; operations; logistics; administration; military law; and the role of the United States military in world affairs.

Basic Course There is no military obligation in the basic course, which consists of the first two years of military science, normally taken during the freshman and sophomore years. Satisfactory completion of the basic course fulfills one of the requirements for continuation in the four-year program and acceptance into the advanced course. Those students desiring to take the advanced course, but lacking the credit for the basic course, may satisfy the requirements by attending a 6-week summer camp between their sophomore and junior year, or by obtaining completing Military Basic Training. Veterans and Reserve/National Guard members may receive credit for the basic course.

Advanced Course In addition to the requirements of the basic course, the advanced course requires two additional years of military science and a 6-week summer camp. The camp provides practical application of instruction previously given. Admission to the advanced course is by permission of the chair of the department of military science.

Admission Requirements

Advanced program cadets must:

1. Have satisfied **one** of the following requirements: completion of the basic course; successfully completed the six-week summer basic camp; completed Basic Training. All students must have a minimum of 50 semester hours.
2. Be able to complete all requirements for commissioning before their 30th birthday.
3. Successfully complete the prescribed survey and general screening tests.
4. Be selected by the President of BSU or any other institution to which they may thereafter be admitted.
5. Execute an individual contract with the government in which they agree to complete the advanced course at Boise State University or any other institution at which they may thereafter be enrolled where such a program is offered.

6. Devote a minimum of eight hours a week to the military training prescribed by the Secretary of the Army.
7. Attend a six-week summer training camp between the junior and senior year, or in exceptional cases, at the end of the senior year.
8. Enlist in the ROTC Control Group. This enlistment does not involve additional training or duty but is to insure compliance with the terms of the contract signed by the student.
9. Agree to accept a commission if tendered.
10. Serve as a commissioned officer for four years in the active Army, or for eight years in either the Army Reserves or National Guard. If the Army does not require service on active duty, students must agree to serve an initial period of active duty for training of three to six months and remain a member of, and participate satisfactorily in, a reserve component until the eighth anniversary of such appointment, unless sooner relieved under other provisions. Guaranteed Reserve Forces (GRF) assignments are available for those who do not want to compete for the active duty assignments. The GRF assignment allows officers to remain in Idaho and continue their civilian career plans as well as serve in the reserves with an Army Commission.
11. Complete the requirements for Precommissioning Training (PCT). The PCT system is designed to articulate skills and knowledge that are required of all U.S. Army Officers. The professional military education component consists of two parts, a baccalaureate degree and at least **one** undergraduate course from each of the three designated fields of study listed below:

    Communication Skills *Recommended Courses:* advanced English composition, creative writing, business writing, scientific writing and language, writing for mass communication, and public speaking. *Alternative Courses:* linguistics, logic, other courses that meet the requirement, and is approved by the PMS.

    Military History *Recommended Courses:* upper-division course in American military history that improves the cadet's understanding of the evolution of war, the evolution of the professionalism in the American military, and the place of the American military in its society. *Alternative Courses:* upper-division course in the history of war, history of U.S. foreign policy in the 20th century, and advanced history course approved by the PMS that meets the requirement.

    Computer literacy *Recommended Courses:* introduction to computers, microcomputer applications, introduction to word processing on microcomputers. *Alternative Courses:* principals of data processing, computer languages and logic, software and hardware concepts, other courses approved by the PMS that meet the requirements.

Scholarships

Two and three year scholarship applications are available through the Military Science Department. Each scholarship recipient can receive up to $12,800 per year for either 2 or 3 years. These scholarships pay for tuition and associated fees. There is an additional $450 per year flat rate for books. Students who are in the Advanced Program (Junior and Senior status) and/or are scholarships recipients will also receive an additional $150 per month (see "Financial Assistance", below). Additionally, there are a large number of Nursing Scholarships available. Each student selected for a scholarship must serve in either the National Guard, Reserves, or Active Duty as a commissioned officer.

Financial Assistance

Each advanced course student receives an allowance of $150 a month for up to ten months a year for two years. Summer camp pay, in addition to meals, quarters, medical/dental attention, and travel pay, is $760 (approximately). A uniform allowance of $300 is paid to each commissioned student upon entry into active duty.

Uniforms

Basic and advanced course students will be provided uniforms and equipment for ROTC classes. All such items of clothing and equipment are the property of the U.S. government and are provided solely for the purpose of furthering the military training of the student. Students are responsible for the safekeeping, care, and return of the property issued to them.

Course Offerings

See page 53 for a definition of the course-numbering system.

ML MILITARY SCIENCE - No military obligation at lower-division level

Lower Division

ML 101 INTRODUCTION TO MILITARY SCIENCE (1-1-1). Provides an overview of ROTC to include the purpose and history of ROTC, introduction to land navigation, customs and courtesies of the military, rifle marksmanship, and first aid. Laboratory consists of progressive participation in leadership exercises, adventure training, and military branch orientation.

ML 102 INTRODUCTION TO MILITARY SCIENCE (1-1-1). This course is a continuation of ML 101. The student will receive further instruction in such military subjects as small-unit tactics, individual tactical movement, first aid, and introduction to leadership. Laboratory consists of progressive participation in leadership exercises, adventure training, and military skills orientation. PREREQ: ML 101 or PERM/INST.

ML 104 RANGER CHALLENGE (0-1-1) (F,S). Course is designed to augment existing military science classes, especially ML 101 and 102 classes. Students will be instructed in several basic military/survival skills such as field expedient bridging, marksmanship, individual weapons familiarization, individual tactical movement, and physical readiness. This training culminates in team competitions among various colleges and universities throughout the Northwest that have military science departments.

ML 201 INTRODUCTION TO LEADERSHIP (2-1-2). Prepares student for ROTC advanced course. Areas of emphasis will include leadership, land navigation, oral and written communications, and general military subjects as outlined by Precommissioning Training (PCT) guidance. Laboratory consists of progressive instruction in land navigation, individual military skills, adventure training, and military professionalism.

ML 202 APPLIED LEADERSHIP(2-1-2). Prepares the student for the ROTC advanced course. The applied leadership course will concentrate on the instruction and practical application of military professional development, first aid, and small-unit tactics. Laboratory consists of progressive participation in leadership exercises, adventure training, military skills orientation, and tactical instruction.

Upper Division

ML 301 LEADERSHIP AND MANAGEMENT (3-1-3-) (F). Increases the student's poise and confidence as a military instructor and leader. Provides information on the branches of the army available for assignment and prepares each student to make his/her selection during the senior year. Prepares the student for participation in ROTC Advanced Camp. Laboratory consists of progressive participation in advanced leadership exercises, adventure training, and orienteering.

ML 302 BASIC TACTICS (3-1-3) (S). Introduces the student to the fundamentals of combat operations. Prepares the student for ROTC Advanced Camp. Develops leadership abilities, promotes confidence, and readies students for military service as commissioned officers. Laboratory consists of progressive participation in advanced leadership exercises, adventure training, and tactical operations.

ML 390 MILITARY SCIENCE PRACTICUM (V-V-6) (SU). Provides students with the opportunity to apply the skills they have learned. Is completed at the 6-week ROTC Adventure Leadership Camp at Fort Lewis, Washington. NOTE: This is required of all contracted students and is usually required between the junior and senior year.

ML 401 ADVANCED TACTICS (3-1-3) (F). Prepares the prospective army officer for initial army assignment. Covers military staff organization and responsibilities; military intelligence; logistics, maintenance and supply; and an introduction to military justice. Students apply principles of advanced leadership by planning and conducting laboratory training.

ML 402 PROFESSIONAL PREPARATION (3-1-3) (S). Includes discussions of: ethics and human relations; counseling techniques; military service in today's society; obligations and responsibilities of an officer on active duty; and coordination and operation of the military team. Students receive thorough leadership assessment and are responsible for planning and executing laboratory training.

ML 493 MILITARY SCIENCE INTERNSHIP (V-V-6). Provides senior students with the opportunity to apply the skills they have learned. Is completed by simultaneous membership in ROTC and Army Reserve/National Guard (P/N). PERM/CHAIR.

Department of Modern Languages

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Chair and Associate Professor: Florence Moorhead-Rosenberg. *Assistant Professors*: Boucher, Browning, Garza.

Degrees Offered

- B.A. and Minor in French
- B.A. in French, Secondary Education
- B.A. and Minor in German
- B.A. in German, Secondary Education
- B.A. and Minor in Spanish
- B.A. in Spanish, Secondary Education
- Minor in Japanese Studies

Department Statement

The study of languages gives students a sound foundation in the liberal arts. Graduates with language backgrounds possess a resource for continuing intellectual growth and personal fulfillment, a passport for moving easily within the world community and its diverse cultures, and a practical tool for earning a living.

Programs in the department of modern languages concentrate on the acquisition of language and a knowledge of the culture that the language expresses. The department offers baccalaureate degrees in French, German, and Spanish, as well as basic instruction in other languages such as Russian, Japanese, and Basque.

Special encouragement is given to students who wish to pursue a minor emphasis in modern language to support a major taken outside the department. With the changing population of the United States and the growing interdependence of the international community, career opportunities are expanding rapidly for graduates who know a second language. Second language competency has become highly desirable in teaching, government, social services, diplomacy, law, medicine, mass communications, science, technology, international trade, and marketing. The programs in modern languages have the latitude and flexibility to fit nearly any career goal.

The department of modern languages encourages students who wish to acquire proficiency at a "professional" or "near-native" level to spend time in the country whose language they are studying. Programs available through the Office of Studies Abroad give students a chance to master a language and learn more about the culture and customs, often while studying at foreign universities and living with local families.

Placement Examinations

To ensure that students with language abilities in French, German, and Spanish enroll in the appropriate level of course work, placement examinations are given at the beginning of fall, spring, and summer sessions. Specific time and place are listed in the academic calendar in the *BSU Directory of Classes*.

Language Resource Center

State-of-the-art, interactive lab equipment is available to assist students in their language studies. Most 100- and 200-level language courses require conversation practice in the Modern Language Resource Center, Library, Room 144 for which students pay an additional laboratory fee.

Petitions for Language Credit

Once a student enrolls in and successfully completes a language course beyond the 101-level with a grade of C or higher, he or she may petition to receive credit for all courses that are prerequisites to the course that the student has successfully completed.

Degree Requirements

1. To begin the program for the B. A. in French, the student must demonstrate competency in French equivalent to the completion of elementary courses (F 101, 102) and 200-level courses totaling 8 credits French — 16 credit hours. Competency must be demonstrated by course work or placement/challenge procedures.
2. The program must be developed in consultation with the major advisors and the department chair.
3. The candidate must demonstrate his or her level of language competency in French on the Modern Language Association examination or an equivalent examination during the last semester in the program.

French
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
F 201 Intermediate French	3
F 202 Intermediate French	3
Area I core course in literature	3
Area I core course in a second field	3
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
F 101, 102 Elementary French	8
200-level French F 200, 203, or 223	2
F 498 Senior Seminar	3
FL 331 Introduction to Literary Studies	3
FL 410 Applied Linguistics for Modern Language Teacher	3
300/400-level French courses	15
400-level French	12
Advisor-approved upper-division course	3
Modern language exit exam	0
Upper-division electives to total 40 credits	1
Electives to total 128 credits	36
Total	128

French, Secondary Education
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
F 201 Intermediate French	3
F 202 Intermediate French	3
Area I core course in literature	3
Area I core course in a second field	3
Area II — see page 41 for list of approved courses	
TE 201 Foundations of Education	3
Area II core course in history	3
Area II core course in a second field	3
Area II core course in any field	3

— continued —

French, Secondary Education (continued)	
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
F 101, 102 Elementary French	8
200-level French courses F 200, 203, or 223	2
F 303 Advanced French Grammar	3
F 307 French for Business	3
F 498 Senior Seminar	3
FL 331 Introduction to Literary Studies	3
FL 410 Applied Linguistics for Modern Language Teacher	3
300/400-level French courses	6
400-level French courses	12
Advisor-approved upper-division course	3
Modern language exit exam	0
French culture and civilization courses	6
TE 172 Intro to Secondary Teach: Classroom Observation	1
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 Educating Exceptional Secondary-Age Students	1
TE 381 Secondary School Methods	3
TE 383 Secondary Foreign Language Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
Student Teaching	10-16
Electives to total 128 credits	2-8
Total	128

1. To begin the program for the B. A. in German, the student must demonstrate competency in German equivalent to the completion of elementary courses (G 101, 102) and intermediate (G 201, 202) German — 16 credit hours. Competency must be demonstrated by course work or placement/challenge procedures.
2. The program must be developed in consultation with the major advisors and the department chair.
3. The candidate must demonstrate his or her level of language competency in German on the Modern Language Association examination or an equivalent examination during the last semester in the program.

German
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
G 201 Intermediate German	4
G 202 Intermediate German	4
Area I core course in literature	3
Area I core course in a second field	3
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
FL 331 Introduction to Literary Studies	3
FL 410 Applied Linguistics for Modern Language Teacher	3

— continued —

German (continued)	
G 101, 102 Elementary German	8
G 498 Senior Seminar	3
300/400-level German courses	15
400-level German	12
Advisor-approved upper-division course	3
Modern Language Association exam	0
Upper-division electives to total 40 credits	1
Electives to total 128 credits	36
Total	128

German, Secondary Education
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
G 201 Intermediate German	4
G 202 Intermediate German	4
Area I core course in literature	3
Area I core course in a second field	3
Area II — see page 41 for list of approved courses	
TE 201 Foundations of Education	3
Area II core course in history	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
FL 331 Introduction to Literary Studies	3
FL 410 Applied Linguistics for Modern Language Teacher	3
G 101, 102 Elementary German	8
G 303, 304 Advanced German Conversation and Composition	6
G 498 Senior Seminar	3
German culture and civilization	6
300/400-level German courses	6
400-level German courses	12
Advisor-approved upper-division course	3
Modern Language Association exam	0
TE 172 Intro to Secondary Teach: Classroom Observation	1
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 Educating Exceptional Secondary-Age Students	1
TE 381 Secondary School Methods	3
TE 383 Secondary Foreign Language Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
Student Teaching	10-16
Electives to total 128 credits	2-8
Total	128

1. To begin the program for the B. A. in Spanish, the student must demonstrate proficiency in Spanish equivalent to the completion of elementary courses (S 101, 102) and intermediate (S 201, 202 or 203) Spanish — 16 credit hours. Proficiency must be demonstrated by course work or placement/challenge procedures.
2. Senior Seminar (S 498) must be taken at least one semester prior to graduation.
3. The program must be developed in consultation with a major advisor in Spanish.

4. The candidate must demonstrate advanced levels of language proficiency by means of an exit examination and oral proficiency interview taken at least one semester prior to graduation.

Spanish
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	4
Area I core course in a third field	3
Area I core course in any field	4
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
FL 331 Introduction to Literary Studies	3
S 101-102 Elementary Spanish	8
S 201-202 or 203 Intermediate Spanish	8
S 303 Advanced Spanish Conversation and Composition	3
S 412 Advanced Spanish Grammar and Syntax	3
S 498 Senior Seminar	3
S 304 Introduction to Hispanic Literature **OR** S 305 Spanish for Business	3
S 376 Spanish Peninsular Civilization and Culture **OR** S 377 Latin American Civilization and Culture **OR** S 385 Mexican-American Culture and Civilization	3
S 404 Survey of Latin-American Literature **OR** S 405 Survey of Spanish Peninsular Literature	3
Upper-division Spanish Only 3 credits hours of electives may be from S 496	9
Upper-division electives to total 40 credits	10
Electives to total 128 credits	28
Total	128

Spanish, Secondary Education
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	4
Area I core course in a third field	3
Area I core course in any field	4
Area II — see page 41 for list of approved courses	
TE 201 Foundations of Education	3
Area II core course in history	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4

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Spanish, Secondary Education (continued)

FL 331 Introduction to Literary Studies	3
LI 305 Introduction to Language Studies	3
S 101, 102 Elementary Spanish	8
S 201, 202 or 203 Intermediate Spanish	8
S 303 Advanced Spanish Conversation and Composition	3
S 412 Advanced Spanish Grammar and Syntax	3
S 498 Senior Seminar	3
S 304 Introduction to Hispanic Literature **OR** S 305 Spanish for Business	3
S 376 Spanish Peninsular Civilization and Culture **OR** S 377 Latin American Civilization and Culture **OR** S 385 Mexican-American Culture and Civilization	3
S 404 Survey of Latin-American Literature **OR** S 405 Survey of Spanish Peninsular Literature	3
Upper-division Spanish courses Only 3 credit hours of electives may be from S 496	9
TE 172 Intro to Secondary Teach: Classroom Observation	1
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 Educating Exceptional Secondary-Age Students	1
TE 381 Secondary School Methods	3
TE 383 Secondary Foreign Language Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
Student Teaching	10-16
Electives to total 128 credits	6-12
Total	128

French Minor

Course Number and Title	Credits
200-level French courses	8
F 303 Advanced French Grammar **OR** F 307 French for Business	3
F 376 French Civilization and Culture to 1789 **OR** F 377 Modern Francophone Civilization and Culture	3
Upper-division French courses	6
Total	20

German Minor

Course Number and Title	Credits
G 201-202 Intermediate German	8
G 303 or 304 Advanced German Conversation and Composition	3
G 376 or 377 German Culture and Civilization	3
Upper-division German courses	6
Total	20

Japanese Studies Minor

Course Number and Title	Credits
AN 310 Japanese Culture and Society	3
JP 101, 102 Elementary Japanese	8
PO 328 Politics in Japan	3
Electives chosen from the following: EC 317, EC 319, HY 315, HY 316, HY 482, JP 201, JP 202, IB 320, MG 334, MK 430, or SO 307	9
Total	23

Spanish Minor
Primary, Secondary, Bilingual Education, or Spanish Emphasis

Course Number and Title	Credits
S 201-202 or 203 Intermediate Spanish	8
S 303 Advanced Spanish Conversation and Composition	3
S 304 Introduction to Hispanic Literature **OR** S 305 Spanish for Business	3
S 376 or 377 or 385 Culture and Civilization	3
FL 331 Introduction to Literary Studies	3
Upper-division Spanish courses	3
Total	23

Spanish Minor
Business Emphasis

Course Number and Title	Credits
S 201-202 or 203 Intermediate Spanish	8
S 303 Advanced Spanish Conversation and Composition S 305 Spanish for Business S 376 or 377 or 385 Culture and Civilization S 480 Advanced Business Topics in the Spanish Speaking World	3 3 3 3
Upper-division Spanish courses	3
Total	23

Course Offerings

See page 53 for a definition of the course-numbering system.

BQ BASQUE

Lower Division

BQ 101, 102 ELEMENTARY BASQUE (4-1-4) (F/S). These courses begin the development of speaking, listening, reading, and writing the unified language known as Euskera Batua, but dialectical forms used by native speakers will also be explained. Conducted in Basque, the first semester of the course emphasizes vocabulary building, with greater emphasis on grammar in the second semester.

BQ 201, 202 INTERMEDIATE BASQUE LANGUAGE AND CULTURE (4-1-4) (F/S) (Area I). A continuation of BQ 101-102, this course emphasizes listening, speaking, reading, and writing. Focus on vocabulary building, grammar knowledge, cultural and literary selections, and writing assignments. PREREQ: BQ 102 or equivalent.

FL FOREIGN LANGUAGE

Upper Division

FL 331 INTRODUCTION TO LITERARY STUDIES (3-0-3) (F/S). A global view of the theories and methods of literary analysis, explication, interpretation, and translation. Readings will be primarily in English and represent a wide variety of genres and authors in the modern languages. Frequent writing assignments. Course conducted in English. PREREQ: F 102, G 102, S 102 or equivalent as determined by placement exam and/or PERM/INST.

FL 410 APPLIED LINGUISTICS FOR THE MODERN LANGUAGE TEACHER (3-0-3) (F/S). Application of linguistic theory and concepts to foreign language teaching and learning practices. Analysis of general and language-specific problems encountered in instruction. PREREQ: LI 305 and minimum of six credits upper-division language or PERM/INST.

F FRENCH

Lower Division

F 101, 102 ELEMENTARY FRENCH (4-1-4) (F/S). These two courses provide the opportunity to develop functional competency in understanding, reading, writing, and speaking French. Students will read cultural and literary selections and compose essays in French. Format of the course: classroom instruction, conversation lab, and practice in the language laboratory. Students who have had more than one year of high school French or its equivalent may not enroll in F 101 for credit except by PERM/DEPT.

F 101-P, 102-P PROGRAMMED ELEMENTARY FRENCH (V-V-4) (F/S). A self-pacing, taped programmed course which provides for practice in pronunciation, reading, writing, grammar analysis, and conversation. One period of conversation practice per week required.

F 200 INTERMEDIATE FRENCH LANGUAGE (3-0-3) (F). A continuation of intensive, basic French. PREREQ: F 102 , equivalent or PERM/DEPT.

F 201 INTERMEDIATE FRENCH LITERATURE (3-0-3) (F) (Area I) [FREN 201]. Unabridged readings in French literature, selected for language competency enhancement and to introduce students to French literature from the 19th and 20th centuries. PREREQ: F 102, equivalent or PERM/DEPT.

F 202 INTERMEDIATE FRENCH: CIVILIZATION (3-0-3) (S) (Area I) [FREN 202]. Unabridged readings in French civilization for competency enhancement. PREREQ: F 102, equivalent or PERM/DEPT.

F 203 INTERMEDIATE FRENCH CONVERSATION (0-2-1) (F,S). Conversation and pronunciation practice in contemporary, metropolitan French. May be repeated once for credit. PREREQ: F 102, equivalent or PERM/DEPT.

F 223 INTERMEDIATE FRENCH: READINGS IN THE DISCIPLINES (V-0-V) [1-2] (F,S). This course is designed for those who wish French readings in professional-content subjects selected for language competency enhancement, and to introduce students to these concerns in francophone countries. May be repeated once for credit. PREREQ: F 102, equivalent or PERM/DEPT.

Upper Division

F 303 ADVANCED FRENCH GRAMMAR: CONVERSATION AND COMPOSITION (3-0-3) (F). Students will read essays concerning francophone civilizations: arts, letters, and cultures. It is an in-depth study of the French language. Students will choose some readings from their own areas of professional emphasis and these readings will serve as models for discussions, essays and oral presentations. PREREQ: 8 credits of Intermediate French or PERM/INST.

F 307 FRENCH FOR BUSINESS (3-0-3) (F/S). Advanced French language skills and intercultural knowledge necessary to initiate or maintain Franco-American commerce. Emphasizes (1) a cross-cultural analysis of commercial communication (Letters, faxes), (2) an in-depth analysis of socio-economic and geo-political issues in France and Quebec, and (3) French business procedures in finance, marketing, management, etc. Prepares interested students to take the Paris Chamber of Commerce's International Business Exam. PREREQ: 8 credits of Intermediate French, or PERM/INST.

F 315 20TH CENTURY FRENCH LITERATURE (3-0-3) (F/S) (Alternate years). A survey of major authors and thinkers of France and the French-speaking world during the twentieth century; all genres. PREREQ: FL 331 and F 303 or PERM/CHAIR.

F 375 QUEBEC CULTURE, CIVILIZATION , AND COMMERCE (3-0-3) (S). An introduction to Quebec history, literature, cinema, politics, economics, and business practices from Jacques Cartier's discovery in 1534 to the present time. Will focus on (1) Quebec's present and future role within Canada, (2) relationship among its French-speaking, Anglo, and first-nation residents, (3) its international business practices in light of NAFTA, and (4) Quebec's relationship with the United States and the world. PREREQ: 8 credits of Intermediate French or PERM/INST.

F 376 FRENCH CIVILIZATION AND CULTURE TO 1789 (3-0-3) (F/S) (Alternate years). Studies in the development and expansion of French culture from pre-history to the French Revolution: history, politics, art, geography, literature, music, and science; and assessment of the contribution of French civilization to the Western world. PREREQ: F 303 or PERM/INST.

F 377 MODERN FRANCOPHONE CIVILIZATION AND CULTURE (3-0-3) (F/S) (Alternate years). Studies in modern French civilization since the end of the "ancien regime," the French Revolution; history, politics, art, geography, literature, music, and science; assessment of France's contribution to the modern democracies. PREREQ: F 303, or PERM/INST.

F 415 MEDIEVAL AND RENAISSANCE FRENCH LITERATURE (3-0-3) (F/S) (Alternate years). This course studies French literature from approximately 1040 to 1600, beginning with medieval lyric and romance and concluding with the essays of Montaigne. PREREQ: FL 331 and F 303 or PERM/INST.

F 425 FRENCH LITERATURE: CLASSICAL TO ENLIGHTENMENT (3-0-3) (F/S) (Alternate years). A survey of seventeenth- and eighteenth-century literature in all genres written in French. PREREQ: FL 331 and F 303 or PERM/INST.

F 435 FRENCH LITERATURE: ROMANTICISM AND REALISM (3-0-3) (F/S) (Alternate years). A survey of nineteenth- and twentieth-century literature, to beginning of WWII, in all genres written in French. PREREQ: FL 331 and F 303 or PERM/INST.

F 475 FRANCE TODAY (3-0-3) (F/S) (Alternate years). An analysis of contemporary problems and events in the French-speaking world. Readings and discussion will be interdisciplinary, drawing from social, economic, political, educational, and scientific sources. PREREQ: F 376 or 377 or PERM/INST.

F 498 SENIOR SEMINAR: Selected Topics in French Literature and Culture (3-0-3) (F/S). Required of all majors. Seminar discussion and individual research into areas of special interest, with attention to research methodology and presentation of a culminating project or paper. PREREQ: Senior standing or PERM/INST.

G GERMAN

Lower Division

G 101, 102 ELEMENTARY GERMAN (4-1-4) (F/S). Listening, speaking, reading, and writing skills in cultural framework. May not enroll in G 101 for credit with more than one year of high school German or equivalent except with PERM/INST. Students in G 102 lacking adequate preparation may drop back to G 101.

G 101-P, 102-P PROGRAMMED ELEMENTARY GERMAN (0-4-4) (F/S). Self-paced course: programmed texts, tapes, readings, and informal meetings with instructor. Performance tests at student's pace. Work in language lab or access to cassette player needed. May not enroll in G 101P with more than one year high school German or equivalent except with PERM/INST; students lacking adequate preparation may do so.

G 201, 202 INTERMEDIATE GERMAN (4-1-4) (Area I) (F/S) [GERM 201, GERM 202]. A continuation of G 101-102, this course emphasizes listening, speaking, reading, and writing. Focus on vocabulary building, grammar review, cultural and literary reading selections, and writing assignments. PREREQ: G 102 or equivalent as determined by placement examination and consultation.

Upper Division

G 303 ADVANCED GERMAN CONVERSATION AND COMPOSITION (3-0-3) (F/S) (Alternate years). Practice towards idiomatic fluency. Readings from newspapers, magazines, and essays, and discussion of slides, tapes, and films. Frequent writing required. PREREQ: G 202 or equivalent as determined by placement exam and consultation.

G 304 ADVANCED GERMAN CONVERSATION AND COMPOSITION (3-0-3) (F/S) (Alternate years). Similar goals and format to G 303. More extended writing assignments. PREREQ: G 202 or equivalent as determined by placement exam and consultation.

G 307 BUSINESS GERMAN (3-0-3) (F/S). This course is an introduction to the technical language of German business and familiarizes students with contemporary German business praxis and economic intercourse. It develops a basic ability to function socially, orally, and in writing the German commercial world and provides practice in correspondence and in the translation of business documents. Special attention is given to those activities making up the Prufung Wirtschaftsdeutsch International. PREREQ: G 202 or PERM/INST.

G 376 GERMAN CULTURE AND CIVILIZATION (3-0-3) (F/S) (Alternate years). German civilization from prehistoric times through the 18th century. Special attention paid to contributions of Germany, Austria, and Switzerland to Western civilization. Class conducted in German. PREREQ: G 202 or equivalent as determined by placement examination and consultation.

G 377 GERMAN CULTURE AND CIVILIZATION (3-0-3) (F/S) (Alternate years). German civilization from 1800 to present. Special attention paid to contributions of Germany, Austria, and Switzerland to Western civilization. Classes conducted in German. PREREQ: G 202 or equivalent as determined by placement examination and consultation.

G 415 GERMAN LITERATURE OF THE ENLIGHTENMENT AND "STORM AND STRESS" (3-0-3) (F/S) (Alternate years). Essays, plays, fictional prose, and poetry marking the intellectual ferment of the Enlightenment and the "Storm and Stress." Selections from Gottsched, Haller, Klopstock, Lichtenberg, Kant, Herder, Lessing, J. M. R. Lenz, the early Goethe and Schiller, etc. PREREQ: FL 331 or PERM/INST.

G 425 CLASSICAL AND ROMANTIC GERMAN LITERATURE (1700-1830) (3-0-3) (F/S) (Alternate years). Readings from the classical and romantic periods in their general literary and historical context. Selections from Goethe, Schiller, Holderin, Kleist, Jean Paul, Tieck, Friedrich Schlegel, Chamisso, Brentano, etc. PREREQ: FL 331 or PERM/INST.

G 435 NINETEENTH-CENTURY GERMAN LITERATURE (3-0-3) (F/S) (Alternate years). Selections from a wide cross-section of 19th century German literature: Buchner, the "Young Germans," Grillparzer, Hebbel, Gottheif, Keller, Stifter, Storm, C. F. Meyer, and others. PREREQ: FL 331 or PERM/INST.

G 445 MODERN GERMAN LITERATURE (3-0-3) (F/S) (Alternate years). Trends and writers from the turn of the century, through the Weimar Republic, to the collapse of the Third Reich: Naturalism, Impressionism, Expressionism, Neue Sachlichkeit, Blut und Boden Literature, and Exile Literature. PREREQ: FL 331 or PERM/INST.

G 455 CONTEMPORARY GERMAN LITERATURE (3-0-3) (F/S) (Alternate years). Selections will be taken from the authors, essayists, dramatists, and poets who have appeared on the scene since 1945, treating the war and post-war experience and the human condition in the contemporary world. Austrian, Swiss, and German writers. PREREQ: FL 331 or PERM/INST.

G 465 EARLY GERMAN LITERATURE: 1150-1720 (3-0-3) (F/S) (Alternate years). Survey: Middle Ages, Renaissance, Reformation, Baroque. Selections from heroic and courtly epics. Minnesang, moral tales and plays, religious pamphleteering, chapbooks, Fastnacht plays; Angelus Silesius, Gryphius, Grimmelshausen, etc. PREREQ: FL 331 or PERM/INST.

G 475 THE GERMAN-SPEAKING WORLD TODAY (3-0-3) (F/S) (Alternate years). An in-depth analysis of contemporary nonliterary events in the German-speaking world. Discussion includes educational systems, science and theatre, arts and music, economic and business life, social and political structure, and recreation. PREREQ: G 376 or 377 or PERM/INST.

G 498 SENIOR SEMINAR (3-0-3) (F/S). Required of all German majors. Individual research into an area of interest originating in the seminar. The research culminates in a paper to be presented to the seminar. PREREQ: Senior standing or PERM/INST.

JP JAPANESE

Lower Division

JP 101, 102 ELEMENTARY JAPANESE (4-1-4) (F/S). The skills of speaking, listening, reading, and writing Japanese are developed, initially emphasizing oral skills. Conducted in Japanese, the course also integrates the written language, introducing katakana, hiragana, and a limited number of Chinese characters, used in context.

JP 201, 202 INTERMEDIATE JAPANESE (4-0-4) (F/S) (Area I) [JAPN 201, JAPN 202]. This course further develops conversational skills including the casual, honorific, and humble styles of Japanese speaking. Additional emphasis placed on formal and colloquial writing through a combination of Katakana, Hiragana, and Kanji. These oral and written skills are developed through study of Japanese culture and literature. PREREQ: JP 102 or PERM/INST.

R RUSSIAN

Lower Division

R 101, 102 ELEMENTARY RUSSIAN (4-1-4) (F/S) (Alternate years). This course is designed to develop the beginning student's abilities in understanding, speaking, reading, and writing Russian. Classes meet four times a week and there is one hour per week of required laboratory practice. The class is conducted in Russian.

R 201, 202 INTERMEDIATE RUSSIAN (4-1-4) (F/S) (Area I) [RUSS 201, RUSS 202]. A continuation of R 102, these courses are intended to develop further the skills of listening, speaking, reading, and writing Russian. Conducted in Russian, the courses use cultural and literary reading selections and writing assignments to build vocabulary and develop grammatical competency. PREREQ: R 102 or PERM/DEPT.

S SPANISH

Lower Division

S 101, 102 ELEMENTARY SPANISH (4-1-4) (F/S). Develops beginning abilities in all four language skills: speaking, reading, writing, and listening. Offers a basic study of grammatical structures and vocabulary in a communicative context. Introduces students to Hispanic culture. S 102 PREREQ: S 101 or equivalent as determined by placement exam.

S 201, 202 INTERMEDIATE SPANISH (4-1-4) (Area I) (F/S) [SPAN 201, SPAN 202]. Intended to further develop all four language skills: speaking, reading, writing, and listening. Intensive review of fundamentals of structure and vocabulary in a communicative context. Topics for conversation, reading, and writing focus on Hispanic culture. Course conducted in Spanish. PREREQ: S 102 or equivalent as determined by placement exam and/or PERM/INST.

S 203 SPANISH FOR THE NATIVE OR NEAR-NATIVE SPEAKER (4-0-4) (F/S). A course designed for students with native or near-native speaking ability, but with little or no formal training in grammar, reading and writing. Provides introduction to and practice in the formal register in all four skills: reading, writing, listening, and speaking. Students who qualify for this course may not receive credit for S 202. Course conducted in Spanish. PREREQ: S 201 or equivalent as determined by placement exam and PERM/INST.

Upper Division

S 303 ADVANCED SPANISH CONVERSATION AND COMPOSITION (3-0-3) (F/S). Expands ability in all four skills reading, writing, speaking, and listening with special emphasis on accuracy in the formal registers of spoken and written Spanish. Offers analysis of grammar and expansion of vocabulary through cultural and literary readings. Discussion of topics related to Hispanic contemporary trends. Includes frequent writing assignments. Course conducted in Spanish. PREREQ: S 202, 203 or equivalent as determined by placement exam and/or PERM/INST.

S 304 INTRODUCTION TO HISPANIC LITERATURE (3-0-3) (F/S). Develops and expands composition and conversation skills through the use of Hispanic literary terms and forms. A broad introductory course for students wishing to concentrate in culture and literature and for those students who will be teaching at any level. Includes frequent writing assignments. Course conducted in Spanish. PREREQ: S 303.

S 305 SPANISH FOR BUSINESS (3-0-3) (F/S). Introduction to the terminology and etiquette of business practice in the Spanish-speaking world. Emphasis on appropriate terminology and structures for business letters and other forms of business communication. This course is highly recommended for students majoring/minoring in international business and for those who wish their Spanish major or minor emphasis to be in business. Frequent writing assignments. Course conducted in Spanish. PREREQ: S 303.

S 376 SPANISH PENINSULAR CIVILIZATION AND CULTURE (3-0-3) (F/S). Spanish Peninsular civilization from earliest Iberian beginnings to the present. Special attention given to the impact of Peninsular culture on the Western world. Discussions of topics such as music, economic and business environment, literature, and the Conquest. Frequent writing assignments. Course conducted in Spanish. PREREQ: S 303.

S 377 LATIN-AMERICAN CIVILIZATION AND CULTURE (3-0-3) (F/S). Latin-American civilization and culture from the Pre-Columbian period to the present. Discussion of topics such as an analysis of historical, political, economic, social, and cultural development in the Spanish-speaking Latin-American nations, as well as the impact on the Conquest and its implications for Latin-American identity formation and nationhood. Frequent writing assignments. Course conducted in Spanish. PREREQ: S 303.

S 385 MEXICAN-AMERICAN CULTURE AND CIVILIZATION (3-0-3) (F/S). Mexican-American culture and civilization from the conquest of Mexico and the Colonial period of New Spain to the present. Discussion of topics such as Pre-Columbian culture and its relation to Mexican-American cultural practices. Analysis of the impact of the Mexican-American War and the resulting incorporation of Mexican territory into the United States on Mexican-American culture and identity formation from 1848 to the present. Readings may be in English and Spanish. Frequent writing assignments in Spanish. Course conducted in Spanish. PREREQ: S 303.

S 404 SURVEY OF LATIN-AMERICAN LITERATURE (3-0-3) (F/S) (Alternate years). All periods, all genres. A global survey of the forms and genres of Latin-American literature from the Pre-Columbian epoch to the present. Analysis of not only the literature, but the social and historical circumstances in which the literature was and is produced. Frequent writing assignments. Course conducted in Spanish. PREREQ: FL 331 and S 303.

S 405 SURVEY OF SPANISH PENINSULAR LITERATURE (3-0-3) (F/S) (Alternate years). All periods, all genres. A global survey of the forms and genres of Spanish Peninsular literature from the medieval period to the present. Analysis of not only the literature, but the social and historical circumstances in which the literature was and is produced. Frequent writing assignments. Course conducted in Spanish. PREREQ: FL 331 and S 303.

S 411 SPANISH FOR THE BILINGUAL CLASSROOM (3-0-3) (F/S). An oral and written communication course for those who need extended training in expressing ideas. Special emphasis on oral and written communication as they relate to the context of the bilingual classroom. Discussion of topics such as prose style, vocabulary building, appropriateness of idioms, and figures of speech. Frequent writing assignments. Course conducted in Spanish. PREREQ: S 303.

S 412 ADVANCED SPANISH GRAMMAR AND SYNTAX (3-0-3) (F/S). An intensive study of the formal written and spoken registers of Spanish. Also develops an awareness of and sensitivity to the variety of spoken and written registers, especially those of Spanish in the United States. Special emphasis on appropriateness in the written register. Frequent writing assignments. Course conducted in Spanish. PREREQ: S 303.

S 425 MEXICAN-AMERICAN LITERATURE (3-0-3) (F/S) (Alternate years). A survey of writings by Mexican-American authors. Discussion of topics such as an analysis of Mexican-American cultural and identity formation from 1848 to the present as represented in literature. Primary genres and movements, as well as gender issues within the field of Mexican-American literature, with special attention given to works produced during or after the Chicano Renaissance (1960's). Frequent writing assignments in Spanish. Course conducted in Spanish. Course may be repeated once for credit with PERM/INST. PREREQ: FL 331 and S 303.

S 435 20TH CENTURY SPANISH PENINSULAR LITERATURE (3-0-3) (F/S) (Alternate years). A study of representative works and authors from modern Spain. Discussion of topics such as an analysis of genre, movements, the Generation of '98 and/or the socio-historical climate in which the literature was and is produced. Frequent writing assignments. Course conducted in Spanish. Course may be repeated once for credit with PERM/INST. PREREQ: FL 331 and S 303.

S 437 20TH CENTURY LATIN-AMERICAN LITERATURE (3-0-3) (F/S) (Alternate years). A study of representative works and authors from modern Latin America. Discussion of topics such as an analysis of genre, movements, the Boom and/or the sociohistorical climate in which the literature was and is produced. Frequent writing assignments. Course conducted in Spanish. Course may be repeated once for credit with PERM/INST. PREREQ: FL 331 and S 303.

S 465 MEDIEVAL AND GOLDEN AGE SPANISH PENINSULAR LITERATURE (3-0-3) (F/S) (Alternate years). An introduction to the principal authors, works, genres, and movements of Spanish Peninsular literature from the Medieval period and the Golden Age. Frequent writing assignments. Course conducted in Spanish. Course may be repeated once for credit with PERM/INST. PREREQ: FL 331 and S 303.

S 477 WOMEN'S LITERATURE OF THE SPANISH-SPEAKING WORLD (3-0-3) (F/S) (Alternate years). An introduction to literature written by women in the Spanish-speaking world. All periods, all genres. Discussion of topics such as issues concerning women writers, representation of women in literature, and/or the social and historical climate in which the literature was and is produced. Frequent writing assignments. Course conducted in Spanish. Course may be repeated once for credit with PERM/INST. PREREQ: FL 331 and S 303.

S 480 ADVANCED BUSINESS TOPICS IN THE SPANISH-SPEAKING WORLD (3-0-3) (F/S) (Alternate years). An in-depth analysis of business etiquette, practices and climate in the Spanish-speaking world. Discussions of topics such as appropriate forms of correspondence, advances in technology, the impact of the social and political climate on business practice, as well as the changing demographics of the Spanish-speaking population in the United States. Course conducted in Spanish. PREREQ: S 303 and S 305.

S 498 SENIOR SEMINAR (3-0-3) (F/S). A capstone, exit requirement course. Topic chosen by instructor on a rotating basis year-to-year. Discussion of topics such as literary, linguistic, and/or social and historical subject matter. Students will demonstrate proficiency in the written and oral codes by means of a 10-15 page research paper and an expanded oral presentation on the topic of the paper. Frequent writing assignments. Course must be taken at least one semester prior to graduation and includes an exit oral proficiency interview. Course conducted in Spanish. PREREQ: FL 331 and S 303.

Multi-Ethnic Studies — see Department of Sociology

Department of Music

Morrison Center, Room C-100 Telephone 208 385-1596
http://www.idbsu.edu/music/musicdpt.html Fax 208 385-3006
e-mail: hgraff@quartz.idbsu.edu

Chair and Professor: James D. Cook. *Professors:* Baldassarre, Baldwin, Belfy, Berg, Hsu, Parkinson, Rozmajzl. *Associate Professors*: Bratt, Brown, Elliott, Mathie, Samball, Schroeder, Thomason, Wells. *Assistant Professors:* Jirak, Maynard, Purdy, Saunders.

Degrees Offered

- B.M. in Composition
- B.A. and Minor in Music
- B.A. in Music/Business
- B.M. in Music Education
- B.M. in Performance
- M.M. in Music Education, Pedagogy, and Performance (See the *BSU Graduate Catalog*).

Department Statement

The goal of the department of music is twofold: (1) to train students to become successful and productive professional musicians, musician teachers, or musician/business people, giving them as thorough and comprehensive a background in the art and practice of music as is possible to do; and (2) to heighten musical awareness in the general, nonmajor student. In training the aspiring professional, the goal of excellence in musicianship is defined by the faculty in the courses, degree programs, and majors offered by the department at both the undergraduate and graduate levels.

In addition, the department of music serves the needs of the university community, as well as the larger community of metropolitan Boise and the State of Idaho, by offering courses, by presenting musical performances for the public's cultural growth and entertainment, by making available faculty and student performers at various community functions, and by providing leadership for many cultural activities in the community.

The department of music offers a B.M. in music with three emphases: performance, composition, and music education. The performance and composition emphases are designed to train performers, performing artists, teachers, and composers. These emphases are basic to preparing students for graduate work in the creative and performing arts and for work as educators at the college and university level.

The music education emphasis is designed to prepare students for careers in teaching music at the elementary or secondary level; in addition, this emphasis prepares students for graduate study in music.

The B.A. in music is appropriate for students who wish to pursue general music studies within a broad-based program of liberal arts study.

A variety of music scholarships is available from the department. In addition, scholarships are offered for joining the marching band. If interested, contact the department of music.

Degree Requirements

Bachelor of Music Program

General Requirements All full-time music majors must attend concert class during each semester of residency at Boise State University until they have attained the required number of semesters of Pass grade in concert class has been achieved, as follows:

- bachelor of arts, music and music/business majors, and bachelor of music performance, and composition emphases majors—8 semesters
- bachelor of music-music education emphasis—7 semesters (see course description for MA 010 for additional details.)

All students must perform on their major instrument before a faculty jury at the end of each semester. Students presenting MA 444, 445, or 446 recitals are exempt from faculty jury during the semester in which the recital is given.

All bachelor of music majors in music education are required to pass, no later that the end of the junior year, the Piano Proficiency Examination before a faculty committee. Students should have reached the level comparable to three semesters of class piano before taking the exam. Bachelor of music majors in performance or composition whose major instrument is something other than keyboard have the same requirement. A grade of 'C' or better in MU 213 will satisfy this requirement. Details are available from the music department.

Ensemble All full-time bachelor of music majors must register in a major ensemble (Symphonic Winds, University Orchestra, Meistersingers, University Singers, or for keyboard or guitar majors, the appropriate course as specified), each semester until the minimum number of semesters for graduation have been met. Only one major ensemble per semester may be counted toward graduation requirements.

Minimum ensemble requirements
Bachelor of Music:
Performance Majors:
Keyboard – 8 semesters, 2 may be Accompanying, 2 may be Duo-Piano
Guitar – 8 semesters, 4 may be Guitar Ensemble
Voice – 8 semesters, 2 may be Opera Workshop
All Others – 8 semesters
Composition Majors – 8 semesters
Music Education Majors – 7 semesters
Bachelor of Arts:
Music and Music/Business — 4 semesters
Additional details are available from the music department.

The following **core of music courses** are included in all bachelor of music curricula:

Concert Class MA 010 0
(Attendance required each semester of full-time enrollment until a minimum number of semesters of Pass grade is met.)
Major Ensemble 7-8
Materials of Music I-IV MU 119*, 120, 219, 220 12
(*Students intending to enroll in MU 119 must previously earn a C grade or better in MU 103 or make a satisfactory score on the Theory Placement test. See MU 119 course description.)
Ear Training I-IV MU 121, 122, 221, 222 4
Survey of Western Art Music MU 143 3
Basic Form and Analysis MU 223 2
Basic conducting MU 261 1
Music History and Literature I-III MU 351, 352, 353 9
Total 38-39

Music Education Emphasis Additional Requirements
In addition to the above general requirements, all music education majors in the Bachelor of Music program must fulfill the requirements listed below:
a) pass a vocal proficiency exam prior to their application for student teaching. Successful completion of MU 221 Ear Training III and of the folk/art song singing section of MU 256 Vocal Techniques and Methods will satisfy this requirement. Further information is available from the Music Department.
b) successfully complete the Music Education interview with Music Education faculty who will contact the student following completion of MU 219 Materials of Music III. Successful completion of the interview will allow the student to continue in the music education program and to enroll in music methods courses MU 372 Teaching Music in the Elementary Classroom, MU 384 Choral Methods and Materials, and MU 387 Band and Orchestra Methods and Materials. Music Education Interview Committee approval for continuation is based upon the student's academic record, demonstrated ability to complete all departmental requirements outlined above, and the Committee's judgment regarding the student's music skills, behavioral characteristics, and temperament necessary for success as a teacher. A further description of these traits can be found in the *Secondary Education Student Handbook* and in the *Code of Ethics of the Idaho Teaching Profession*. The Music Education Interview Committee may exclude from further music education course work any student identified as lacking the above characteristics and competencies. A student thus excluded is entitled to due process through normal appeals procedures as described in the *Boise State University Student Handbook* .

Performance
Bachelor of Music

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
MU 143 Survey of Western Art Music	3
Area I core course in literature	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
One year of a foreign language	8
*MA 010 Concert Class	0
MA 446 Senior Recital	2
*8 semesters of Pass grade	
MC — Performance Studies	22
MC 4— Performance Studies	8
ME — Ensemble	8
MU 119 Materials of Music I	3
MU 120 Materials of Music II	3
MU 121 Ear Training I	1
MU 122 Ear Training II	1
MU 219 Materials of Music III	3
MU 220 Materials of Music IV	3
MU 221 Ear Training III	1
MU 222 Ear Training IV	1
MU 223 Basic Form and Analysis	2
MU 261 Basic Conducting	1
MU 313, 314 Keyboard Harmony and Basic Improvisation	4
MU 351 Music History and Literature I	3
MU 352 Music History and Literature II	3
MU 353 Music History and Literature III	3
**MU 365 or 366 Choral or Instrument Conducting	1
MU 410 Advanced Form and Analysis	2
MU 423,424 Counterpoint	6
***MU 457 Major Instrument Literature	2
***MU 463,464 Major Instrument Pedagogy I and II	4
**Not required of Piano, Voice, or Guitar majors	
***Required only of Piano, Voice, or Guitar majors	
Upper-division electives to total 40 credits	3
Electives to total 128 credits	16
Total	128

Composition
Bachelor of Music

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
MU 143 Survey of Western Art Music	3
Area I core course in literature	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
One year of a foreign language	8
*MA 010 Concert Class	0
MA 410 Music Composition	8
MA 447 Senior Composition Recital	2
*8 semesters of Pass grade	
MC — Lower-division major performance studies	8
MC — Lower-division minor performance studies Piano, unless major instrument is Keyboard	8
MC 3— 300-level performance studies	4
ME — Ensemble	8
MU 119 Materials of Music I	3
MU 120 Materials of Music II	3
MU 121 Ear Training I	1
MU 122 Ear Training II	1
MU 219 Materials of Music III	3
MU 220 Materials of Music IV	3
MU 221 Ear Training III	1
MU 222 Ear Training IV	1
MU 223 Basic Form and Analysis	2
MU 261 Basic Conducting	1
MU 313, 314 Keyboard Harmony and Basic Improvisation	4
MU 324 Orchestration/Band Arranging	2
MU 351 Music History and Literature I	3
MU 352 Music History and Literature II	3
MU 353 Music History and Literature III	3
MU 365 or 366 Choral or Instrument Conducting	1
MU 410 Advanced Form and Analysis	2
MU 423, 424 Counterpoint	6
Electives to total 128 credits	14
Total	128

Music Education, Dual Track
Bachelor of Music

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
MU 143 Survey of Western Art Music	3
Area I core course in literature	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
P 101 General Psychology	3
TE 201 Foundations of Education	3
Area II core course in history	3
Area III — see page 41 for list of approved courses	
One year of a foreign language **OR** Area III core courses	8

— continued —

Music Education, Dual Track (continued)

*MA 010 Concert Class	0
MA 444 One-half Senior Recital *7 semesters of Pass grade	1
MC — Major instrument performance studies 4 credits minimum at 300-level or above	14
ME — Major ensemble	7
MU 119 Materials of Music I	3
MU 120 Materials of Music II	3
MU 121 Ear Training I	1
MU 122 Ear Training II	1
MU 219 Materials of Music III	3
MU 220 Materials of Music IV	3
MU 221 Ear Training III	1
MU 222 Ear Training IV	1
MU 223 Basic Form and Analysis	2
MU 256 Vocal Techniques and Methods	2
MU 257, 266 Instrumental Techniques and Methods	4
MU 261 Basic Conducting	1
MU 271 Orientation to Music Education	1
MU 324 Orchestration/Band Arranging	2
MU 351 Music History and Literature I	3
MU 352 Music History and Literature II	3
MU 353 Music History and Literature III	3
MU 365, 366 Choral and Instrumental Conducting	2
MU 368, 369 Instrumental Techniques and Methods	4
MU 372 Teaching Music in the Elementary Classroom	2
MU 385 Choral Methods and Materials	2
MU 387 Band and Orchestra Methods and Materials	2
TE 225 Educational Psychology	3
TE 333 Educating Exceptional Secondary-Age Students	1
TE 381 Secondary School Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
Student Teaching	10-16
Upper-division electives to total 40 credits	0-4
Electives to total 128 credits Recommended Music elective: Functional Piano MU 213	0-5
Total	128
The above requirements lead to state certification eligibility to teach music in the public schools. Specific details are available from the music department.	

Effective spring semester 1996, the following three options in the Music Education, Bachelor of Music Program, will be unavailable as options until support funding is restored: Elementary Track, Vocal Track, Instrumental Track. For further information, contact the Department of Music.

Music Education, Elementary Track
Bachelor of Music

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
MU 143 Survey of Western Art Music	3
Area I core course in literature	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
P 101 General Psychology	3
TE 201 Foundations of Education	3
Area II core course in history	3
Area III — see page 41 for list of approved courses	
One year of a foreign language **OR** Area III core courses	8

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Music Education, Elementary Track (continued)	
*MA 010 Concert Class	0
MA 127 Beginning Guitar Class	1
**MA 150 Piano Class	2
***MA 180 Voice Class	1
MA 444 One-half Senior Recital	1
+MA 496 Senior Project	1
*7 semesters of Pass grade **Required if piano is not the student's primary instrument. ***Required if voice is not the student's primary instrument. +An independent study terminal project under faculty supervision with the approval of the music department chair.	
***MC 132 Private Voice	2
MC — Major instrument performance studies 4 credits minimum at 300-level or above	14
ME — Major ensemble	7
MU 119 Materials of Music I	3
MU 120 Materials of Music II	3
MU 121 Ear Training I	1
MU 122 Ear Training II	1
MU 219 Materials of Music III	3
MU 220 Materials of Music IV	3
MU 221 Ear Training III	1
MU 222 Ear Training IV	1
MU 223 Basic Form and Analysis	2
MU 255 Instrumental Techniques	2
MU 256 Vocal Techniques and Methods	2
MU 261 Basic Conducting	1
MU 271 Orientation to Music Education	1
MU 323 Choral Arranging	1
MU 351 Music History and Literature I	3
MU 352 Music History and Literature II	3
MU 353 Music History and Literature III	3
MU 365 Choral Conducting	1
MU 372 Teaching Music in the Elementary Classroom	2
MU 373 Elementary Classroom Instruments	1
MU 385 Choral Methods and Materials	2
MU 472 Advanced Methods in Elementary Music Education	3
TE 225 Educational Psychology	3
TE 333 Educating Exceptional Secondary-Age Students	1
TE 381 Secondary School Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
Elementary Student Teaching	10
Electives to total 128 credits Recommended music elective: MU 213 Functional Piano	4-7
Total	128
The above requirements lead to state certification eligibility to teach music in the public schools K-8. Specific details are available from the music department.	

Music Education, Vocal Track
Bachelor of Music

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
MU 143 Survey of Western Art Music	3
Area I core course in literature	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
P 101 General Psychology	3
TE 201 Foundations of Education	3
Area II core course in history	3

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Music Education, Vocal Track (continued)	
Area III — see page 41 for list of approved courses	
One year of a foreign language **OR** Area III core courses	8
*MA 010 Concert Class	0
**MA 180 Voice Class	1
MA 444 One-half Senior Recital	1
*7 semesters of Pass grade **Required if voice is not the student's primary instrument.	
**MC 132-232 Private Voice	6
MC — Major instrument performance studies 4 credits minimum at 300-level or above	14
ME — Major ensemble	7
MU 119 Materials of Music I	3
MU 120 Materials of Music II	3
MU 121 Ear Training I	1
MU 122 Ear Training II	1
MU 219 Materials of Music III	3
MU 220 Materials of Music IV	3
MU 221 Ear Training III	1
MU 222 Ear Training IV	1
MU 223 Basic Form and Analysis	2
MU 255 Instrumental Techniques	2
MU 256 Vocal Techniques and Methods	2
MU 261 Basic Conducting	1
MU 271 Orientation to Music Education	1
MU 323 Choral Arranging	1
MU 351 Music History and Literature I	3
MU 352 Music History and Literature II	3
MU 353 Music History and Literature III	3
MU 365 Choral Conducting	1
MU 372 Teaching Music in the Elementary Classroom	2
MU 385 Choral Methods and Materials	2
MU 454 Secondary General Music Methods	2
TE 225 Educational Psychology	3
TE 333 Educating Exceptional Secondary-Age Students	1
TE 381 Secondary School Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
Secondary Student Teaching	10-16
Electives to total 128 credits Recommended music electives: MA 150 Piano Class, ME 115, 315, Opera Workshop, MU 213 Functional Piano, MU 463 Vocal Pedagogy, MU 456 Vocal Literature	0-7
Total	128
The above requirements lead to state certification eligibility to teach vocal music in the public schools K-12. Specific details are available from the music department.	

Music Education, Instrumental Track
Bachelor of Music

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
MU 143 Survey of Western Art Music	3
Area I core course in literature	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
P 101 General Psychology	3
TE 201 Foundations of Education	3
Area II core course in history	3
Area III — see page 41 for list of approved courses	
One year of a foreign language **OR** Area III core courses	8

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Music Education, Instrumental Track (continued)	
*MA 010 Concert Class MA 444 One-half Senior Recital *7 semesters of Pass grade	0 1
MC — Major instrument performance studies 4 credits minimum at 300-level or above	14
ME — Major ensemble	7
MU 119 Materials of Music I MU 120 Materials of Music II MU 121 Ear Training I MU 122 Ear Training II MU 219 Materials of Music III MU 220 Materials of Music IV MU 221 Ear Training III MU 222 Ear Training IV MU 223 Basic Form and Analysis MU 257, 266 Instrumental Techniques and Methods MU 261 Basic Conducting MU 271 Orientation to Music Education MU 324 Orchestration/Band Arranging MU 351 Music History and Literature I MU 352 Music History and Literature II MU 353 Music History and Literature III MU 365 Choral Conducting MU 366 Instrumental Conducting MU 368, 369 Instrumental Techniques and Methods MU 372 Teaching Music in the Elementary Classroom MU 387 Band and Orchestra Methods and Materials **MU 388 Advanced Band Pedagogy and Procedures ***MU 389 Advanced String Pedagogy and Procedures **Required of wind/percussion majors only but open to all music majors. ***Required of string majors only but open to all music majors.	3 3 1 1 3 3 1 1 2 4 1 1 2 3 3 3 1 1 4 2 2 3 3
TE 225 Educational Psychology TE 333 Educating Exceptional Secondary-Age Students TE 381 Secondary School Methods TE 407 Content Literacy for Secondary Students with Diverse Learning Needs Secondary Student Teaching	3 1 3 3 10-16
Upper-division electives to total 40 credits	0-4
Electives to total 128 credits Recommended music electives: MA 150 Piano Class, MU 213 Functional Piano	0-3
Total	128
The above requirements lead to state certification eligibility to teach instrumental music in the public schools K-12. Specific details are available from the music department.	

Music
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
MU 143 Survey of Western Art Music	3
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3

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Bachelor of Arts, Music (continued)	
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
*MA 010 Concert Class **Senior Recital **OR** ***Senior Project *8 semesters of Pass grade **See MA 444 course description for details of the Senior Recital. ***An independent study terminal project under faculty supervision and with approval of the department chair in the areas of music theory, music history/literature, or music education.	0 1
ME — Major ensemble	4
MC — Performance studies	8
MU 119 Materials of Music I MU 120 Materials of Music II MU 121 Ear Training I MU 122 Ear Training II MU 219 Materials of Music III MU 220 Materials of Music IV MU 221 Ear Training III MU 222 Ear Training IV MU 352 History and Literature of Music II MU 351 History and Literature of Music I **OR** MU 353 History and Literature of Music III	3 3 1 1 3 3 1 1 3 3
Performance, theory, music education, or music history courses to support Senior Recital or Senior Project	8
Upper-division electives to total 40 credits	33
Electives to total 128 credits	10
Total	128

Music/Business
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
MU 143 Survey of Western Art Music	3
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
CM 111 Fundamentals of Speech Communication	3
Area II core course in history	3
Area II core course in a second field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
M 100 Mathematics for Liberal Arts Students **OR** M 105, 106 Mathematics for Business Decision	4
Area III core course in a second field	4
Area III core course in any field	4
AC 205 Introduction to Financial Accounting AC 206 Introduction to Managerial Accounting	3 3
GB 101 Introduction to Business GB 202 Legal Environment of Business	3 3
IS 101 Application of Computer Information Systems	3
MA 010 Concert Class 8 semesters of Pass grade	0
MC — Performance studies	8
ME — Major ensemble	4
MG 301 Management and Organizational Theory	3
MM 101 Salesmanship MM 203 Principles of Promotion	3 3

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Bachelor of Arts, Music/Business (continued)	
MU 119 Materials of Music I MU 120 Materials of Music II MU 121 Ear Training I MU 122 Ear Training II MU 352 Music History and Literature II **AND** MU 351 Music History and Literature I **OR** MU 353 Music History and Literature III *Senior Project *An independent study terminal project under faculty supervision with the approval of the music department chair.	3 3 1 1 3 3 3
Upper-division music courses	13
Additional courses chosen from: EC 205 Principles of Microeconomics EC 206 Principles of Macroeconomics IS 310 Introduction to Management Information Systems MK 301 Principles of Marketing MK 307 Customer Behavior	9
Upper-division electives to total 40 credits	6-11
Electives to total 128 credits	0-5
Total	128

Music Minor

Course Number and Title	Credits
MA 010 Concert Class 2 semesters of Pass grade	0
ME 1— Ensemble	2
MU 119 Materials of Music I MU 120 Materials of Music II MU 121 Ear Training I MU 122 Ear Training II MU 133 Introduction to Music (Area I)	3 3 1 1 3
Choice of 2 semesters of MA 150 Piano Class, MA 180 Voice Class, MA 127, 128 Beginning Guitar **AND/OR** Intermediate, Guitar Class or private lessons (MC courses*) in any instrument or voice *MC courses are extra fee courses	2-4
Upper-division music courses	5
Total	20-22

Course Offerings

See page 53 for a definition of the course-numbering system.

MA MUSIC APPLIED PERFORMANCE CLASSES, RECITALS

Lower Division

MA 010 CONCERT CLASS (0-1-0) (F/S). Student, guest, and/or faculty performances. Additional attendance at 10 concerts/recitals, excluding concert class, is required as part of this course; credit toward the concert/recital attendance requirement is allowed for up to 5 concerts in which one is a performer. (Pass/Fail).

MA 107 RECORDER CLASS (1-0-1) (S). The class is designed to improve the technical ability of the classroom teacher or anyone interested in playing the recorder and to discover the classroom value of the instrument. Baroque ensembles will be emphasized. The class will meet once a week. Students must supply their own instrument. May be repeated once for credit.

MA 127 BEGINNING GUITAR CLASS (0-2-1) (F/S). Technical fundamentals in playing the acoustical guitar for beginners. Use of popular and folk songs. Course is based on written notation and aural instruction, stressing chord playing, correct posture, and holding positions. Students must provide their own instrument. May be repeated once for credit.

MA 128 INTERMEDIATE GUITAR CLASS (0-2-1) (F/S). Continuation of MA 127. Emphasis on understanding fret-board theory, reading music notation for guitar, and solo playing. Concept of form levels as it relates to upper position work. Students must provide their own instrument. May be repeated once for credit. PREREQ: MA 127 or PERM/INST.

MA 129 JAZZ IMPROVISATION I (1-0-1 (F/S). Intended primarily for instrumental majors, this performance-oriented course deals with the principles of jazz harmony and scaler theory. These principles will be applied to selected exercises and standard jazz literature. Students should possess above-average technical facility on their instrument and should have a working knowledge of music theory. May be repeated once for credit. PREREQ: MU 103 or PERM/INST.

MA 150 BEGINNING PIANO CLASS (0-1-1) (F/S). This course is intended for students who have had little or no previous instruction in piano playing. May be taken a maximum of two times for credit.

MA 153 INTERMEDIATE PIANO CLASS I (0-1-1) (F/S). Class instruction in level one intermediate piano. PREREQ: MA 150 or equivalent or PERM/INST.

MA 154 INTERMEDIATE PIANO CLASS II (0-1-1) (F/S). Class Instruction in level two intermediate piano. PREREQ: MA 150 or MA 153 or equivalent or PERM/INST.

MA 180 BEGINNING VOICE CLASS (0-1-1) (F/S). This course is intended for students who have had little or no previous instruction in singing. May be taken for a maximum of two times for credit.

MA 229 JAZZ IMPROVISATION II (1-0-1) (F/S). The second level and continuation of Jazz Improvisation. More advanced principles and skills will be dealt with. May be repeated once for credit. PREREQ: MA 129 or PERM/INST.

Upper Division

MA 307 RECORDER CLASS (1-0-1) (F/S). The class is designed to enhance the technical ability of the classroom teacher or anyone interested in playing the recorder and to discover the classroom value of the instrument. Baroque ensembles will be emphasized. The classes will meet once a week. Students must supply their own instrument. May be repeated once for credit. PREREQ: MA 107 or PERM/INST.

MA 327 ADVANCED GUITAR CLASS (0-3-2) (F/S). Study of music and technical problems in solo guitar playing: chord construction and progression, analysis of intervals, functional harmonic relationships, principals of guitar transcriptions, and introduction of improvisation. Students must provide their own instrument. May be repeated once for credit. PREREQ: MA 128 or PERM/INST.

MA 328 JAZZ GUITAR CLASS (0-2-1) (F/S). A course in jazz improvisation for the guitarist with at least 1 year of playing experience. The use of the guitar in jazz is approached within a historical perspective beginning with the 1930's. Students must provide their own instrument. May be repeated once for credit. PREREQ: MA 128 or PERM/INST.

MA 329 JAZZ IMPROVISATION III (0-1-2) (F/S). Private lessons in Jazz Improvisation. Extra fee, nonwaivable, per private lesson fee schedule, required. May be repeated once for credit. PREREQ: MA 229 or PERM/INST.

MA 410 MUSIC COMPOSITION (2-0-2) (F/S). Instruction and supervised experience in composing for various instruments and voices, individually and in combination, utilizing small and large musical forms. May be repeated for a total of 8 credits. PREREQ: PERM/INST.

MA 429 JAZZ IMPROVISATION IV (0-1-2) (F/S). Private lessons in Jazz Improvisation. Extra fee, nonwaivable, per private less fee schedule, required. May be repeated once for credit. PREREQ: MA 329 or PERM/INST.

MA 444 MUSIC EDUCATION BACHELOR OF ARTS SENIOR RECITAL (0-V-1). This course is a one-half recital to be presented as the culminating performance project for bachelor of music, music education majors and for bachelor of arts, music majors emphasizing performance. Graded pass/fail. PREREQ: 300-level performance ability and PERM/INST.

MA 445 RECITAL (0-V-2). Performance majors may elect to perform a solo recital for two credits prior to the required senior solo recital at any time subsequent to the freshman year. PERM/INST/CHAIR.

MA 446 SENIOR PERFORMANCE RECITAL (0-V-2). This course is a full recital to be presented as the culminating project for performance emphasis majors within the bachelor of music program. Graded pass/fail. PREREQ: 400-level performance ability and PERM/INST.

MA 447 SENIOR COMPOSITION RECITAL (0-V-2). A recital for the performance of original compositions by the composition major. Students must make their own arrangements with personnel required for the recital. Required of composition majors. Graded pass/fail. PREREQ: Major in composition and PERM/INST.

MC MUSIC-PRIVATE LESSON PERFORMANCE STUDIES
MC courses carry an extra fee. For details, see Chapter 6, "Tuition and Fees" in this catalog.

Students enrolling in private lesson (MC) studies must secure the consent of the instructor prior to registration.

Generally, all entering students will enroll initially in 100-level MC private lesson studies; nonmusic majors must enroll in 100-level studies. Before permission is granted to any

student to enroll in a higher level, the student must audition before a faculty jury to determine assignment to an appropriate level. Juries are held during exam week each semester. Students transferring into the Music Department as music majors from another institution or from another department within BSU may audition during the first two weeks of the semester to determine the appropriate level. Details in performance level requirements for each instrument and voice are available from the music department office. All MC undergraduate courses may be repeated for credit (no limit).

Private Lesson Performance Studies Course Numbering System:

The three-digit course number conveys the following information: first digit (1, 2, etc.) = performance level; second digit = instrumental family (-0- woodwinds, -1- brass, -2- percussion, -3- voice, -4- keyboard, -5- fretted string instruments, -6- bowed string instruments, -7-harp); third digit (-1, 2, 4) = credit value. Four-credit studies are reserved for performance emphasis majors in the bachelor of music program. Nonperformance majors may enroll for 4 credits only with permission of the instructor and the department chair. Suffix letters identify the particular instrument in each instrumental family: woodwinds: A flute, B oboe, C clarinet, D bassoon, E saxophone, F recorder; Brasses: A horn, B trumpet, C trombone, D tuba; Keyboard: A piano, B organ; Fretted stringed instruments; A guitar; Bowed string instruments: A violin, B viola, C cello, D string bass. The class schedule printed prior to each semester lists particular studio courses available for the semester.

Major area minimum practice requirements
For 4 hours credit: 18 hours practice per week.
For 2 hours credit: 12 hours practice per week.

Minor area practice requirements. For 2 hours credit: 6 hours practice per week.
MC 101, 102, 104, 201, 202, 204, 301, 302, 304, 401, 402, 404 WOODWIND INSTRUMENTS Private lessons.
MC 111, 112, 114, 211, 212, 214, 311, 312, 314, 411, 412, 414 BRASS INSTRUMENTS private lessons.
MC 141, 122, 124, 221, 222, 224, 321, 322, 324, 421, 422, 424 PERCUSSION INSTRUMENTS private lessons.
MC 131, 132, 134, 231, 232, 234, 331, 332, 334, 431, 432, 434 VOICE private lessons.
MC 141, 142, 144, 241, 242, 244, 341, 342, 344, 441, 442, 444 KEYBOARD INSTRUMENTS private lessons.
MC 151, 152, 154, 251, 252, 254, 351, 352, 354, 451, 452, 454 FRETTED STRING INSTRUMENTS private lessons.
MC 161, 162, 164, 261, 262, 264, 361, 362, 364, 461, 462, 464 BOWED STRING INSTRUMENTS private lessons.
MC 171, 172, 174, 271, 272, 274, 371, 372, 374, 471, 472, 474 HARP private lessons.
Course numbers ending in 1: (0-1-1)(SU).
Course numbers ending in 2: (0-.5-2)(F/S).
Course numbers ending in 4: (0-1-4)(F/S).

ME MUSIC, ENSEMBLE
All ME Courses may be repeated for credit.

Lower Division and Upper Division

ME 101, 301 UNIVERSITY SINGERS (0-2-1) (F/S). A general chorus open to all university students. No audition is necessary. Major choral works from all periods will be sung. Public performance(s) will be expected each semester.

ME 105, 305 MEISTERSINGERS (0-5-1-) (F/S). Essentially a course in unaccompanied singing, open to all university students. The Meistersingers is the concert-touring choir of the university. PREREQ: Enrollment is by audition and music department approval.

ME 106, 306-306G CHAMBER SINGERS (0-2-1 (F/S). Concentrates on choral literature in the madrigal style and on twentieth-century choral selections. Open to all students, but final admission will be by audition and director selection. Limited to 15 singers. PREREQ: Audition and/or PERM/INST.

ME 110, 310 VOCAL ENSEMBLE (0-2-1) (F/S). Designed to promote participation in and repertoire knowledge of small vocal ensembles. Literature includes music of all periods. Public performances given each semester. PREREQ: PERM/INST.

ME 111, 311 VOCAL JAZZ CHOIR (0-2-1) (F/S). Designed to promote participation in and repertoire knowledge of literature for vocal jazz choirs. Public performance given each semester. PREREQ: PERM/INST.

ME 112, 312 WOMEN'S CHORUS (0-3-1) (F/S). Designed for female singers who are interested in performing a wide repertoire of music composed for a women's chorus. Enrollment is open to all university women students. Public performance(s) will be expected each semester.

ME 113, 313 MEN'S CHORUS (0-3-1) (F/S). Open to all male singers, the Men's Chorus performs a broad variety of choral music written for a men's chorus. Public performances are given each semester.

ME 115, 315 OPERA THEATRE (0-5-1). A course in the study and production of operas. PREREQ: PERM/INST.

ME 120, 320 SYMPHONIC WINDS (0-5-1) (F/S). The Symphonic Winds is the premier concert band of the university. PREREQ: Audition and/or PERM/INST.

ME 121, 321-321G MARCHING BAND (0-V-1) (F). Designed to promote participation in and repertoire knowledge of literature for marching bands. The marching band performs at all home and at least one away football game and occasionally at other university or civic events. Open to all students with the approval of the director. Graduate music students will be expected to assume leadership roles or will be assigned extra duties within the band and/or its organization.

ME 122, 322 ALL-CAMPUS CONCERT BAND (0-2-1) (F/S). Open to all students and community members who are able to play a band instrument.

ME 125, 325 BRASS ENSEMBLE (0-2-1) (F/S). A course designed to promote playing in and increasing repertoire knowledge for small brass ensembles. A public performance is required each semester. PREREQ: PERM/INST.

ME 126, 326 JAZZ ENSEMBLE (0-3-1) (F/S). A course designed to promote playing repertoire of large jazz ensembles. Includes performance of dixieland, be-bop, swing, rock, and contemporary jazz. Class rehearsals include study of rhythm problems, notation, improvisation, ear training, and chord construction in jazz. Public performance each semester. PREREQ: PERM/INST.

ME 130, 330 WOODWIND ENSEMBLE (0-2-1) (F/S). A course designed to promote playing in and increasing repertoire knowledge of small woodwind ensembles. A public performance is required each semester.

ME 140, 340 PERCUSSION ENSEMBLE (0-2-1) (F/S). A course designed to promote playing in and repertoire knowledge of percussion ensembles. A public performance is required each semester. PREREQ: PERM/INST.

ME 141, 341 KEYBOARD PERCUSSION ENSEMBLE (0-2-1) (F/S). In conjunction with the preparation of music for public performance, students will acquire a first-hand knowledge of phrasing, mallet selection and application, general ensemble techniques, musical style and interpretation, and repertoire. Students will also be encouraged to compose original music and/or arrange or adapt existing music for the ensemble.

ME 150, 350-350G ORCHESTRA (0-5-1) (F/S). The Boise State University Symphony is composed of students and experienced musicians and prepares several concerts each season from the standard repertoire. An elective for nonmusic majors. Graduate music students will be expected to assume leadership roles or will be assigned extra duties within the orchestra and/or its organization. Audition is required for new students.

ME 160, 360 STRING ENSEMBLE (0-2-1) (F/S). A course designed to promote playing in and increasing repertoire knowledge for small string ensembles. A public performance is required each semester. PREREQ: PERM/INST.

ME 167, 367 GUITAR ENSEMBLE (0-2-1) (F/S). A course designed to promote playing in and repertoire knowledge of ensembles of or including guitar(s). PREREQ: PERM/INST.

ME 180, 380 ACCOMPANYING (0-2-1) (F/S). Practical experience in accompanying vocal and instrumental students. Open to keyboard students with sufficient technique.

ME 185, 385 DUO-PIANO ENSEMBLE (0-2-1) (F/S). A basic survey of duo-piano literature from the Baroque to the present. Students will learn how to cope with ensemble problems in rehearsal and performance. Class sessions will consist of performance, listening and discussion. A public performance will be presented. PREREQ: PERM/INST.

MU MUSIC, GENERAL

Lower Division

MU 103 ELEMENTS OF MUSIC (2-0-2) (F/S). Intended primarily for music majors, this course is open to anyone interested in acquiring knowledge in or upgrading their understanding of fundamental structures of music notation, scales, intervals, rhythmic patterns, etc. The course is designed for students aspiring to be music majors but lacking the necessary fundamentals background.

MU 119 MATERIALS OF MUSIC (3-0-3) (F/S). Music fundamentals review: notation, intervals, scales and modes, triads, key signatures, etc.; melody and cadences. Emphasis is on aural and visual recognition, analysis and compositional skills involving the above. PREREQ: C grade or better in MU 103 or equivalent, or satisfactory score on placement test and piano proficiency.

MU 120 MATERIALS OF MUSIC II (3-0-3) (F/S). 4-voice textures (linear and vertical); homophony; diatonic chords and harmonic relationships; cadences; inversions; dominant sevenths; aural and visual analysis; compositional skills. PREREQ: MU 119 or equivalent and piano as per MU 119.

MU 121-122 EAR TRAINING I-II (0-2-1) (F/S). Designed to correlate with Materials I and II. Emphasizes aural training in scales, intervals and rhythms. Includes drill in solfeggio and sight singing, leading to aural recognition of 3- and 4-part harmonic structures. PREREQ: Previous or concurrent enrollment in MU 119 and 120.

MU 133 INTRODUCTION TO MUSIC (3-0-3) (Area I) [MUS 100]. Open to all students, with no background assumed, this course will familiarize the listener with the variety of styles and genres of Western concert music through an historical approach. Attendance at least two approved live concerts/recitals is required.

MU 143 SURVEY OF WESTERN ART MUSIC (3-0-3) (F) (Area I) [MUS 101]. A preliminary course designed to acquaint the student with music history (from the Middle Ages to the present), literature, materials, library and listening skills, and writing about music. Though open to all students with a serious interest in music, the course presupposes the student has a basic background in music. The course is writing-intensive, with research, journal and essay assignments.

MU 147 SURVEY OF OPERA AND MUSIC THEATRE (0-2-1) (F). An historical survey of the development and growth of opera and music theatre through chronological study of scores, recordings, sound filmstrips, and library resource materials from the beginning of the Baroque period to contemporary modern opera and music theatre compositions. Required of voice majors.

MU 201 MUSIC FUNDAMENTALS (2-0-2). Primarily for elementary education students, but open to all nonmusic majors. Learning to read music through study of music notation symbols. Study of all scales and keys, major and minor and elementary chord structures. Basic conducting patterns are learned and practiced.

MU 213 FUNCTIONAL PIANO (2-0-2) (F/S). Building of basic keyboard skills needed for music education majors in areas of sight reading, transposition, harmonization, improvisation, and repertoire materials; piano music and 2-4 line scores will be used. May be repeated once for credit. PREREQ: MU 120 and one year of piano study.

MU 219 MATERIALS OF MUSIC III (3-0-3) (F/S). Continuation of 4-part textures. Diatonic sevenths; secondary dominants and introduction to altered chords, augmented sixth and neapolitan chords; modulations; compositional skills involving the above. PREREQ: MU 120 or equivalent and piano per MU 119.

MU 220 MATERIALS OF MUSIC IV (3-0-3) (F/S). Continuation of 4-part textures. Eleventh and thirteenth chords; twentieth century melody and harmony; atonality and serial techniques. Compositional skills involving the above. PREREQ: MU 219 or equivalent and piano per MU 119.

MU 221-222 EAR TRAINING III-IV (0-2-1) (F/S). Continuation of ear training I-II: solfeggio, dictation of more advanced rhythms, 2-, 3-, and 4-parts. Student expected to play at keyboard simpler forms of basic chords in 4-part harmony. PREREQ: MU 121-122; MU 120; at least one year of piano study or concurrent enrollment in piano study.

MU 223 BASIC FORM AND ANALYSIS (2-0-2) (F/S). A study of the basic and elementary formal structures of music from both design and harmonic structure viewpoints. Analysis of the motif, phrase, period and simpler binary and ternary forms. An overview of larger common forms: sonata, variation, rondo, etc. PREREQ: MU 219 or equivalent or PERM/INST.

MU 255 INSTRUMENTAL TECHNIQUES (2-1-2) (S). A course designed to give the elementary or vocal music specialist an understanding of the basic pedagogical concepts of the four instrumental families: woodwind, string, brass, and percussion. The course will include lectures, laboratory experiences, and student-taught lessons. Offered alternate, even-numbered years. Not for the dual track or instrumental major. PREREQ: MU 120.

MU 256 VOCAL TECHNIQUES AND METHODS (1-2-2) (S). Designed for the music education major, this course deals with teaching skills to help develop the vocal potentials of young students, describing basic physical components of the voice and their coordination, understanding the young and "changing" voice, and learning phonetic components of Latin, Italian, and German.

MU 257 STRING INSTRUMENT TECHNIQUES AND METHODS (1-2-2) (F). Primarily for music education majors, this course deals with methods and materials of string-class teaching in the public schools, while providing the student with a basic performing technique on two or more of the orchestral string instruments: violin, viola, cello, and string bass.

MU 261 BASIC CONDUCTING (0-2-1) (F/S). Fundamental techniques of conducting: baton fundamentals, group rehearsal techniques, and simple score reading.

MU 266 WOODWIND TECHNIQUES AND METHODS (1-2-2) (F). Primarily for music education majors, this course deals with methods and materials of teaching the various woodwind instruments in the public schools, while providing the student with a basic pedagogical technique on two or more of the woodwind instruments.

MU 271 ORIENTATION TO MUSIC EDUCATION (1-1-1) (F/S). A look at school music programs to include all levels, primary through secondary programs. Lab period devoted to visitation in public schools.

Upper Division

MU 313, 314 KEYBOARD HARMONY AND BASIC IMPROVISATION (2-0-2) (F/S) (Alternate years, beginning fall semester, even-numbered years). Keyboard application of basic harmonic principles: playing and harmonizing figured and unfigured basses and melodies, modulation, transposition, accompanying familiar tunes, and beginning improvisation. PREREQ: MU 120-122 and a grade of C or better in MU 213 Functional Piano, or Piano Proficiency passed, or 200-level private piano study.

MU 323 CHORAL ARRANGING (1-1-1) (F) (Alternate, even-numbered years). Designed to give music education students experiences in arranging music for a variety of choral ensembles. PREREQ: MU 220.

MU 324 ORCHESTRATION/BAND ARRANGING (2-0-2) (F/S). Primarily for music majors. A study of scoring, notation, and arranging for brass, woodwind, percussion, and stringed instruments, and of their textures and uses in various combinations. PREREQ: MU 220.

MU 331 AMERICAN MUSICAL THEATRE (3-0-3) (F). An historical overview will be presented along with a look at behind-the-scenes work necessary in the presentation of musical theatre productions. Includes an in-depth look at all the responsibilities of the entire production crew, from promotion and box office to stage crews, and from make-up crews to cast.

MU 332 MUSICAL THEATRE PRODUCTIONS (0-10-4) (S). Specific apprenticeships in the operations of actual musical theatre productions will be given to gain experience in the practical application of knowledge learned in MU 331. Graded pass/fail. May be repeated two times for credit. PREREQ: MU 331, PERM/INST.

MU 349 ORCHESTRAL FLUTE REPERTOIRE I (1-0-1) (F). Performance of flute/piccolo parts and excerpts from orchestral literature most commonly requested in auditions for orchestral job openings. Designed for advanced flutists. PREREQ: PERM/INST.

MU 350 ORCHESTRAL FLUTE REPERTOIRE II (1-0-1) (S). A continuation of Orchestral Flute Repertoire I with additional and/or more advanced orchestral flute literature. PREREQ: MU 349 or equivalent or PERM/INST.

MU 351 MUSIC HISTORY AND LITERATURE I (3-0-3) (S). The analysis of the development of Western art music form early Christian times through the early baroque era. Consideration of music from these periods as artistic entities, their relationships to their contemporary societies, and as foundations for subsequent expressions. PREREQ: MU 120 and 143 or PERM/INST.

MU 352 MUSIC HISTORY AND LITERATURE II (3-0-3) (F). Encompasses the periods from the mid-baroque through the early 19th century. Attention to the changes in music forms and genres through listening, score-reading, analysis and discussion. PREREQ: MU 351, MU 220 or PERM/INST.

MU 353 MUSIC HISTORY AND LITERATURE III (3-0-3) (S). Encompasses the music of the mid-19th century to the present. Attention to the changes in musical styles and aesthetics through listening, score-reading, analysis and discussion. PREREQ: MU 352 or PERM/INST.

MU 365 CHORAL CONDUCTING (0-2-1) (F). A course designed to deal with the problems and techniques of choral conducting. Students will work with ensemble groups as laboratories for conducting experience. PREREQ: MU 261 or PERM/INST.

MU 366 INSTRUMENTAL CONDUCTING (0-2-1) (S). A course designed to deal with the problems of instrumental conducting. Includes baton technique and score reading. Students will work with ensembles as laboratories for conducting experience. PREREQ: MU 261.

MU 368 PERCUSSION TECHNIQUES AND METHODS (1-2-2) (S). Primarily for music education majors, this course deals with methods and materials of teaching the various percussion instruments in the public schools, while providing the student with basic performing techniques.

MU 369 BRASS TECHNIQUES AND METHODS (1-2-2) (F/S). Primarily for music education majors, this course deals with methods and materials of teaching the various brass instruments in the public schools, while providing the student with a basic performing technique on two or more of the brass instruments.

MU 370 GUITAR FOR CLASSROOM TEACHERS (2-0-2) (F/S). Designed for teachers or prospective teachers who wish to use the guitar in classroom situations. Emphasis is on accompaniment skills, elementary chord theory, melody playing, proper hand position, and note reading. Musical material is drawn from popular and folk styles useful in elementary classes. May be repeated once for credit.

MU 371 MUSIC METHODS FOR THE ELEMENTARY SCHOOL TEACHER (2-0-2). Materials, methods and problems relating to classroom music in grades K through six. PREREQ: MU 201 Music Fundamentals or equivalent.

MU 372 TEACHING MUSIC IN THE ELEMENTARY CLASSROOM (2-1-2) (F). For music majors. Includes special methods, materials and teaching techniques for the elementary classroom music program. PREREQ: MU 271 and successful completion of Music Education Interview.

MU 373 ELEMENTARY CLASSROOM INSTRUMENTS (1-0-1) (S). Primarily for music education and elementary education majors. Includes development of skills for playing dulcimer and Appalachian style autoharp, and advanced skills for playing soprano/alto recorder and barred classroom instructions. Methods of teaching these instruments, their use in the teaching of music concepts, and composing techniques for these instruments will be explored. Offered alternate, odd-numbered years.

MU 385 CHORAL METHODS AND MATERIALS (1-2-2) (S). Designed for music education majors who will be teaching vocal groups in junior and/or senior high schools. A practical workshop in selection and conducting of choral materials, rehearsal

techniques, use of small ensembles, planning and organization of vocal groups. PREREQ: Successful completion of Music Education Interview.

MU 387 BAND AND ORCHESTRA METHODS AND MATERIALS (1-2-2) (F). The study of the organization and administration of bands and orchestras at the secondary school level, including equipment purchasing, budgets, public relations, planning, rehearsal techniques, scheduling, programming, and emergency repairs of instruments. PREREQ: MU 271 and successful completion of Music Education Interview.

MU 388 ADVANCED BAND PEDAGOGY AND PROCEDURES (3-0-3) (F). Open to all music majors. Advanced pedagogical materials, methods, and procedures pertinent to the three main areas of the band program—concert band, jazz band, and marching band. The course will consider the particular needs and problems associated with present-day concert band/wind ensemble programs. Hands-on experiences with jazz improvisation and drill techniques required of the contemporary marching band director will be addressed. Offered alternate, even-numbered years.

MU 389 ADVANCED STRING PEDAGOGY AND PROCEDURES (3-0-3) (F). Open to all music majors. Advanced string teaching strategies in the public schools, together with pedagogical materials, methods, and procedures for building an organized string program. Further playing experience will be provided on each of the orchestral string instruments; violin, viola, cello, and string bass. Offered alternate, odd-numbered years. PREREQ: MU 257.

MU 401 MUSIC THEORY REVIEW (2-0-1) (F/S). The course is a review of undergraduate music theory materials and is designed for graduate students planning to take the Predictive exam in music theory. Meets the first 8 weeks of the semester only. PREREQ: Baccalaureate Degree.

MU 410-410G ADVANCED FORM AND ANALYSIS (2-0-2) (F/S). Analysis of harmonic and formal structures of the larger binary and ternary forms; the sonata, the symphony, the concerto, Baroque forms. PREREQ: MU 223 or equivalent or PERM/INST.

MU 423-423G SIXTEENTH CENTURY COUNTERPOINT (3-0-3) (F). Study of 16th century compositional techniques. Compositions will be written in 2 to 4 voices, 5 species, C clefs and Latin texts. Analysis of/listening to music of the period. Additional compositions and/or research for graduate credit. Odd-numbered years. PREREQ: MU 220 or equivalent.

MU 424-424G COUNTERPOINT SINCE 1600 (3-0-3) (F). Study and writing in contrapuntal styles from Baroque period to present day. Invertible counterpoint, canon, fugue, invention, and analysis of procedures in representative works. Additional compositions and/or research for graduate credit. Even-numbered years. PREREQ: MU 220 or equivalent.

MU 454-454G SECONDARY GENERAL MUSIC METHODS (2-0-2) (S). Methods and materials emphasizing the development of discriminating listening skills, expressive singing, reading and notating music, creating music, and understanding music's role in contemporary society. Offered alternate, odd-numbered years.

MU 457 MAJOR INSTRUMENT LITERATURE (PIANO, VOICE, GUITAR) (2-0-2) (F/S). A survey course to acquaint the student with the important literature from all periods for piano, voice or guitar. Section 1 piano literature, Section 2 guitar literature, Section 3 vocal literature. PREREQ: Upper-division standing in performance.

MU 460 REHEARSAL PRACTICUM (1-2-2) (F). Provides the music education major with the skills necessary for rehearsal planning, score preparation, rehearsal techniques, and choice of appropriate literature for public school music programs. Significant time will be devoted to in-class rehearsals with students as conductors. Offered Fall, odd-numbered years. PREREQ: MU 261, MU 365, MU 366 or PERM/INST.

MU 463 MAJOR INSTRUMENT PEDAGOGY (PIANO, VOICE, GUITAR) I (2-0-2) (F) (Alternate years with MU 457). A survey and comparative study of pedagogical materials, principles and procedures. The course will consist of reading, lecture, listening, and observation in teaching studios. PREREQ: Upper-division standing in performance.

MU 464 MAJOR INSTRUMENT PEDAGOGY (PIANO, VOICE, GUITAR) II (2-0-2) (S) (Alternate years with MU 457). Practical application of pedagogical methods and procedures through supervised studio teaching. Further reading, lecture, listening, and discussion involving pedagogical techniques. PREREQ: MU 463 Pedagogy I.

MU 465-465G DICTION FOR SINGERS I (2-0-2) (F). A course designed for singers, devoted to the understanding of the International Phonetic Alphabet (IPA) system and the learning of the rules of pronunciation in Italian, Latin, and Spanish languages. Graduate students will additionally transcribe an entire song cycle or the songs of a proposed graduation recital. Strongly recommended for all voice majors. Odd-numbered years. PREREQ: 1 year of private studio voice.

MU 466-466G DICTION FOR SINGERS II (2-0-2) (S). A continuation of MU 465 Diction for Singers I, with emphasis on German, French, and English languages. Graduate students will additionally transcribe an entire song cycle or the songs of a proposed graduation recital. Strongly recommended for all voice majors. Even-numbered years. PREREQ: MU 465 or PERM/INST.

MU 468-468G PIANO TECHNIQUE (1-0-1) (F/S). A systematic approach to piano technique involving scales, broken chords, arpeggios, double-notes: thirds, sixths, and octaves. This class is designed to supplement the work assigned in the piano studio. Emphasis will be on the American, French and Slavic schools. The class is limited to twelve pianists, graduate and/or undergraduate, of intermediate and advanced levels. May be repeated once for credit. PREREQ: PERM/INST.

MU 472-472G ADVANCED METHODS FOR ELEMENTARY MUSIC TEACHING (3-0-3) (F). Primarily for music majors. Emphasis on methods and materials for individualized instruction, special education, related arts, and listening lessons, as well as a study of the major contributions made to music education from the fields of educational philosophy and psychology. Offered alternate, even-numbered years. PREREQ: MU 371 or MU 372.

MU 498 MUSIC SEMINAR (2-0-2) (F/S). A seminar project under faculty direction. PREREQ: Senior standing.

Native American Studies Minor — see Department of Anthropology

Department of Nursing

Science/Nursing Building, Room 107 Telephone 208 385-3907
e-mail: advise@bsu.idbsu.edu Fax 208 385-1370

Associate Dean/Chair and Associate Professor: Anne Payne. *Practical Nursing Faculty, Instructors:* Dillon, Hammond, Lopez, Neameyer, Sheridan, Towle. *Associate Degree Faculty, Associate Professor:* Fountain. *Assistant Professors:* Adams, Leahy, Pomerance, Springer. *Instructor:* Carey. *Special Lecturers:* Burleson, Holbrook, Mixon. *Bachelor of Science Faculty, Associate Professors:* Brudenell, Farnsworth, Gehrke, Kurtz, Murray, Otterness, Springer, Straub, Taylor. *Assistant Professors:* Allerton, Satterwhite. *Instructor:* Downey, Tavernier. *Special Lecturers:* Clark, Hereford, Schrader.

Degrees Offered

- T.C. in Practical Nursing
- A.S. in Nursing
- B.S. in Nursing

Department Statement

The department of nursing is one of four departments in the College of Health Science. The department offers bachelor of science and associate of science programs in nursing as well as a Practical Nursing program. All programs are approved by the Idaho State Board of Nursing and accredited by the National League for Nursing.

The 4-year bachelor of science program prepares students to take the NCLEX-RN Exams to practice as a professional nurses. It also offers an Advanced Placement Option for Registered Nurses who wish to pursue a bachelor of science degree with a major in nursing.

The associate of science program in nursing leads to an associate degree and eligibility to take the NCLEX-RN Exam. Licensed Practical Nurses seeking to become Registered Nurses may apply for advanced placement in the associate of science program.

The practical nursing program is a certificate program providing knowledge and skills needed to take the licensure examination to become a Licensed Practical Nurse (LPN).

Special Lab Fees

Students who are admitted to the associate of science, bachelor of science, or practical nursing programs pay an additional laboratory fee at the time of enrollment for some clinical courses. See the *Directory of Classes* for specific courses and amounts.

This fee is used for purchasing such things as liability insurance, expendable laboratory equipment and supplies, name tags and patches, handbooks, standardized achievement tests, professional pamphlets, additional copies of high-use audiovisual and CAI programs, and replacement practice models.

The fee may vary from course to course, and some courses may not require a fee. Elective courses may include a fee that provides travel and per diem support for faculty teaching the course.

Degree Requirements

Bachelor of Science Degree

The Bachelor of Science Program in Nursing offers two options for students pursuing the bachelor of science degree in nursing. One option is for students who are seeking to become RNs, and the second option is advanced placement for RNs with a diploma or associate of science degree. Both options are designed to prepare professional nurses to provide nursing care to patients/clients in hospitals, nursing homes, and a variety of community health settings. The curriculum also provides a foundation for graduate study in nursing.

Students preparing to enter the Bachelor of Science Program in Nursing must apply and be accepted for admission to the program. To apply, students must be currently enrolled or have successfully completed all of the following courses:

C 107-110, College Chemistry (or equivalent)
Z 111-112, Human Anatomy and Physiology (or equivalent)
E 101, 102, English Composition (or equivalent)
H 101, Medical Terminology
P 101, General Psychology
M 105 or 108, Mathematics, Intermediate Algebra

The basic nursing program is composed of a year of pre-admission general education courses (listed above) and three years of nursing and general education courses. Contact the Nursing Advising Center (SN 107A) or call the department of nursing at 208 385-3907 for:

- admission criteria and application process
- application deadline
- bachelor of science nursing curriculum sequence

To continue in the program, students must complete all the courses listed for each year of the curriculum (copies available in the Nursing Advising Center) with at least a grade of C or Pass before beginning the next year's courses.

Nursing
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
P 101 General Psychology	3
SO 101 Introduction to Sociology	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
C 107-110 Essentials of Chemistry and Labs **OR**	8-9
C 131-134 College Chemistry and Labs	
Z 111-112 Human Anatomy and Physiology	8
B 205 Microbiology	4
H 101 Medical Terminology	3
H 120, or IS 101 Computer course	3
H 207 Nutrition	3
H 300 Pathophysiology	4
H 306 Applied Pharmacotherapeutics	3
M 105, 108 Mathematics, Intermediate Algebra	4

— continued —

Nursing (continued)	
NU 204 Introduction to Professional Nursing	2
NU 208 Health Assessment	2
NU 209 Health Assessment Lab	1
NU 210 Nursing and Health Promotion	3
NU 211 Nursing and Health Promotion Lab	3
NU 312 Nursing of the Childbearing Family	2
NU 313 Nursing of the Childbearing Family Lab	2
NU 314 Nursing in Health and Illness I	4
NU 315 Nursing in Health and Illness I Lab	3
NU 316 Mental Health/Illness Nursing	2
NU 317 Mental Health/Illness Nursing Lab	2
NU 318 Nursing in Health and Illness II	4
NU 319 Nursing in Health and Illness II Lab	3
NU 392 Introduction to Nursing Research	3
NU 418 Community Health Nursing	3
NU 419 Community Health Nursing Lab	3
NU 434 Professional Issues	3
NU 438 Nursing Leadership	3
NU 439 Nursing Leadership Lab	3
Nursing elective courses	4
Statistics course	3-4
Total	128-130

Option for Licensed RN Students Seeking a Baccalaureate Degree

The advanced placement option provides an opportunity for RNs to individualize educational plans to complete a baccalaureate degree with a major in nursing. RN applicants should contact the Bachelor of Science Program Office at 208 385-1768 for academic advisement, advanced placement examination, and detailed information on placement.

Nursing
Bachelor of Science
(Advanced Placement Option for RNs)

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
Area II or III courses	9
*H 300 Pathophysiology	4
*H 306 Applied Pharmacotherapeutics	3
*NU 300 Changing Professional Roles in Nursing	2
*NU 392 Introduction to Nursing Research	3
NU 418 Community Health Nursing	3
NU 419 Community Health Nursing Lab	3
NU 434 Professional Issues	3
NU 438 Nursing Leadership	3
NU 439 Nursing Leadership Lab	3

— continued —

Nursing, Bachelor of Science (continued)	
*Computer course	3
Nursing elective courses or Independent Study	4
*NLN Mobility Tests	36
*Statistics course	3-4
Electives to total 128 credits	4
Total	128-129
*NOTE: These courses must be successfully completed before your senior year.	

Course Offerings

See page 53 for a definition of the course-numbering system.

NU NURSING

Lower Division

NU 204 INTRODUCTION TO PROFESSIONAL NURSING (2-0-2) (F). Introduction to nursing process and theoretical formulations as basis for clinical decision-making and development of a nursing knowledge base. Includes historical development and criteria of professional nursing. PREREQ: Admission to nursing major.

NU 208 HEALTH ASSESSMENT (2-0-2) (F). The concepts of systems and development theory, health-illness continuum and health promotion provide a basis for the health assessment of individuals across the life span. The nursing process is used as a framework for organizing and communicating assessment data. PREREQ: Admission to nursing major. COREQ: NU 204 and NU 209.

NU 209 HEALTH ASSESSMENT LAB (0-2-1) (F). Campus laboratory for NU 208. (Pass/Fail). COREQ: NU 208.

NU 210 NURSING AND HEALTH PROMOTION (3-0-3) (S). Theoretical basis for acquisition of interpersonal, affective, and psychomotor skills needed to maintain, promote, and restore health to persons of all ages. Uses nursing theories, nursing process, interaction, growth and development, teaching-learning principles, and health as a basis for beginning nursing practice. PREREQ: NU 204, NU 208, NU 209, H 300, B 205, H 207. COREQ: NU 211.

NU 211 NURSING AND HEALTH PROMOTION LAB (0-9-3) (S). Practical application of concepts and knowledge from NU 210 and support courses to nursing care of clients with stable health patterns, and health patterns and health promotion needs. (Pass/Fail). COREQ: NU 210.

Upper Division

NU 300 CHANGING PROFESSIONAL ROLES IN NURSING (2-0-2) (F/S). Overview of concepts related to professional nursing. Focuses on the relationship of values, ethics, critical thinking and communication processes in the roles of the professional nurse. PREREQ: Must be a Registered Nurse.

NU 312 NURSING CARE OF THE CHILDBEARING FAMILY (2-0-2) (F/S). Focus is on exploration of nursing and psychosocial theories and concepts relevant to the nursing care of the individual and family during the childbearing cycle. PREREQ: NU 210. COREQ: NU 313.

NU 313 NURSING CARE OF THE CHILDBEARING FAMILY LAB (0-6-2) (F/S). Application of theory and concepts from NU 312 in providing nursing care for the childbearing family. (Pass/Fail). COREQ: NU 312.

NU 314 NURSING IN HEALTH AND ILLNESS I (4-0-4) (F). Focuses on nursing knowledge and skills which use growth and development principles and the nursing process to restore and maintain health across the lifespan of individuals from diverse cultures, or to support them in deteriorating health. PREREQ: NU 210, H 306. COREQ: NU 315.

NU 315 NURSING IN HEALTH AND ILLNESS i LAB (0-9-3) (F). Applies knowledge and skills from NU 314 in providing care for persons experiencing health alterations in a variety of clinical settings. Application of the nursing process with an emphasis on care planning and implementation. (Pass/Fail). COREQ: NU 314.

NU 316 MENTAL HEALTH/ILLNESS NURSING (2-0-2) (F/S). Theoretical concepts of mental health promotion, group theory, and nursing management of major mental illnesses and selected other mental disorders using a stress adaptation framework. PREREQ: NU 210. COREQ: NU 317.

NU 317 MENTAL HEALTH/ILLNESS NURSING LAB (0-6-2) (F/S). Application of theory from NU 316 with emphasis on therapeutic communication in work with individuals and in groups. (Pass/Fail). COREQ: NU 316.

NU 318 NURSING IN HEALTH AND ILLNESS ii (4-0-4) (S). Builds on nursing knowledge and skills taught in NU 314. PREREQ: NU 314. COREQ: NU 319.

NU 319 NURSING IN HEALTH AND ILLNESS ii LAB (0-9-3) (S). Applies knowledge and skills taught in NU 314, 315 and 318 in providing care for persons experiencing health alterations in a variety of clinical settings. Application of the nursing process with greater emphasis on evaluation. (Pass/Fail). COREQ: NU 318.

NU 370 NURSING FOR HOLISTIC CARE (2-0-2). Explores frameworks and professional roles in theory-based nursing for mind-body-spirit wellness and healing. Supervised practice in a variety of holistic therapeutic nursing interventions. (Pass/Fail). PREREQ: Nursing students, registered nurses, or PERM/INST.

NU 392 INTRODUCTION TO NURSING RESEARCH (3-0-3) (S/SU). Research process as applied in health care research. Emphasis on defining researchable problems, conceptualizing research design, and analyzing steps in the research process. Critical review of research articles to evaluate findings for application to nursing practice. PREREQ: a college statistics courses.

NU 418 COMMUNITY HEALTH NURSING (3-0-3) (F/S). Principles and concepts basic to community health nursing of individuals, families, groups, and communities. Major content areas include: roles and responsibilities of the community health nurse, home health care, epidemiology, community assessment, health promotion and maintenance, and health policy formulation. PREREQ: NU 312, 316, 318, 392. COREQ: NU 419.

NU 419 COMMUNITY HEALTH NURSING LAB (0-9-3) (F/S). Application of community health nursing concepts to individuals, families, groups, and communities. PREREQ: Nu 313, 317, 319. COREQ: NU 418.

NU 434 PROFESSIONAL ISSUES IN NURSING (3-0-3) (F/S). An analysis of contemporary professional nursing and its reciprocal interaction with current social, political, and economic issues. PREREQ: NU 312, 316, 318, 392.

NU 438 NURSING LEADERSHIP (3-0-3) (F/S). Principles and concepts of the role of the nurse as Leader/Manager. Concepts include allocation of human, financial, and material resources, and effective human relations in health care organizations. PREREQ: NU 312, 316, 318, 392. COREQ: NU 439.

NU 439 NURSING LEADERSHIP LAB (0-9-3) (F/S). Application of principles and concepts from NU 438 in various health care settings to include acute, long-term, and community health organizations. PREREQ: NU 313, 317, 319. COREQ: NU 438.

NU 450 INTENSIVE CLINICAL NURSING ELECTIVE (0-12-4) (SU). Management of multiple patients with support of qualified preceptors in selective clinical sites. Content includes application of medical/surgical/psychosocial concepts in a nursing practice setting. Pass/Fail. Offered intermittently. PREREQ: Sophomore standing in an accredited associate program or junior standing in an accredited baccalaureate program and the approval of the instructor.

NU 456 NURSING STRATEGIES IN HIGH RISK CHILDBEARING FAMILIES (2-0-2) (F/S). Concepts relative to childbearing families at risk for poor maternal/fetal outcomes. Nursing interventions and resources are presented with emphasis on supporting the family in the home or rural setting as well as acute and primary health care facilities. Offered intermittently. PREREQ: NU 312, 313 or equivalent or PERM/INST.

NU 460 APPLICATIONS OF LEGAL AND ETHICAL CONCEPTS TO CONTEMPORARY NURSING PRACTICE (2-0-2) (F/S). Course provides current legal and ethical concepts and their application to contemporary nursing practice in a variety of institutional and community settings. Course enrollment limited to Registered Nurses, or to students enrolled in nursing programs preparing to write the Registered Nurse Examination. Offered intermittently.

NU 462 CARING FOR DIVERSE HIV/AIDS CLIENTS (2-0-2) (F/S). Course deals with multiple issues facing nursing professionals as they learn to deal with the challenges of caring for HIV/AIDS clients. Students will confront their own feelings about diverse HIV/AIDS groups and investigate the gamut of issues faced by the clients. Experiences with clients, social support systems, families, and other group/agencies involved in client care are scheduled. (Graded Pass/Fail.) PREREQ: Sophomore standing (B.S. program), freshman standing (A.S. program), or PERM/INST.

NU 475 ADVANCED PSYCHIATRIC NURSING (2-0-2) (F). Nursing students who have completed basic psychiatric nursing course and Registered Nurses will apply theory and technique to adolescent and adult clients with serious mental illnesses at State Hospital South in Blackfoot, Idaho. The role of the state hospital in the mental health system in Idaho will be addressed. Offered intermittently. PREREQ: Completion of junior level B.S. nursing courses or equivalent, or PERM/INST.

Associate of Science Degree

The Associate of Science Program in Nursing prepares individuals to function at a beginning level in giving care to patients. Nursing courses include theory and clinical laboratory experiences, primarily in hospitals and other acute-care settings. In the clinical component of each nursing course, one credit hour represents three hours of clinical and/or campus laboratory time. During the first year, there is an average weekly number of 9 to 12 clinical practice hours and during the second year, 15 to 18 hours per week, which may be scheduled days, afternoons, or evenings, between the hours of 6:30 a.m. and 11:30 p.m.

The program is approved by the Idaho Board of Nursing and accredited by the National League for Nursing. The graduate is eligible to write the National Council Licensure Examination to become a Registered Nurse (RN).

The associate degree-prepared registered nurse (RN) practices primarily in formally organized health care agencies, providing direct care for individuals with identified health problems whose nursing needs fall within prescribed standards of care. The associate degree graduate is expected to seek guidance from supervisory personnel in making decisions concerning complex nursing situations and in making referrals to other health agencies.

The curriculum includes courses in general education as well as nursing. General education courses provide support knowledge for nursing courses. The nursing courses use the nursing process as a system of learning. Content is focused on the identified health needs of all individuals. A planned program of clinical practicum in health care agencies is the major learning experience in the application of theoretical content and in the development of clinical nursing skills.

The associate of science degree may be completed in five semesters. However, students' needs and goals may indicate a three-year approach to the program. Advising, therefore, is essential, and it is the student's responsibility to seek faculty assistance.

Admission Requirements

Applicants must have regular admission status at Boise State University before being admitted to the associate of science nursing program. Applicants who have other than regular admission status at Boise State University should refer to this catalog or contact the Nursing Advisement Center for directions on how to achieve regular admission status.

The faculty of the associate of science in nursing program review the qualifications of applicants and select all students. The number of students that can be admitted to the program is limited.

The class is selected from qualified applicants. Students are selected based on a point system that gives points for GPA and the number of required general education courses completed (E 101, 102, C 107, C 108, H 207, P 101, SO 101, Z 111, Z 112, B 205). Further information regarding selection criteria can be obtained from the Nursing Advising Center, SN 107A. Those applicants who wish to be part of the initial screening must submit completed applications by March 1 of the year of planned enrollment in nursing courses.

1. In order to qualify for admission, the student must meet one of the following criteria:
   A. Completion of Z 111 (Human Anatomy and Physiology) and E 101 (English Composition) as application prerequisites. To be eligible for consideration, the applicant must have a GPA of 2.5 or above and a C or better in the above courses. Applicants who have completed more of the required general education courses are evaluated on the GPA in all those courses.
   OR for the student applying within one year of graduation from high school:
   B. Completion of two years of high school algebra or higher and three years of laboratory sciences, including human anatomy and physiology. These courses must have been passed with a GPA of 3.5 or higher.
2. Transfer students from other associate degree nursing programs and Licensed Practical Nurses (LPNs) who wish to challenge nursing courses should contact the department for specific entrance requirements.
3. Completed applications are reviewed after March 1, and the class is selected from qualified applicants by use of the point system described above. All college transcripts must be submitted in person to the nursing office in order to make applications complete. Those applicants selected will be notified in May.
4. In July, faculty conduct a second review of all remaining applicants and completed applications received after May 1. Any vacancies in the class will be filled from qualified applicants. These applicants will be selected by use of the point system.

The faculty of Boise State University is committed to equal opportunity for all students and does not discriminate on the basis of sex, race, color, religion, national origin, handicap, or veteran status.

Registered Nurse licenses are granted by the Idaho Board of Nursing to graduates of approved educational programs who successfully complete the National Council Licensure Examination.

"The Board of Nursing shall have the power to deny any application for license . . . upon determination that the person:
- made or caused to be made, a false, fraudulent, or forged statement in attempting to procure a license to practice nursing; or
- is convicted of a felony or any offense involving moral turpitude; or
- habitually uses alcoholic beverages or narcotic, hypnotic, or hallucinogenic drugs;
  or
- otherwise engages in conduct of character likely to deceive, defraud, or endanger patients or the public." (Section 54-1412 Idaho Nurse Practice Act. 1984, pp. 9-10.)

Application Procedures

1. Apply for admission to BSU and the department of nursing, associate of science in nursing degree program. BSU application forms are available in the Administration Building, Room 101. Associate of Science program applications are available in the Science-Nursing Building, Room 107.
2. Submit to the department of nursing unofficial transcripts of all previous college work along with the department of nursing application. LPNs applying for advanced placement must see a nursing advisor before applying. These documents must be received by the nursing department before March 1 if your application is to be reviewed in the initial screening.

Following acceptance into the associate of science program, all applicants must submit to the nursing department by July of each academic year:

1. The completed physical examination form provided by the department of nursing
2. Documentation of a negative PPD or a chest X-ray
3. Documented positive rubella and rubeola titres
4. Documentation of completion of a cardiopulmonary resuscitation course (including infant CPR)
5. Lab fee payable during registration (nonrefundable after class begins)

Nursing
Associate of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
P 101 General Psychology SO 101 Introduction to Sociology	3 3
C 107-108 Essentials of Chemistry and Lab Z 111-112 Human Anatomy and Physiology	4 8
B 205 Microbiology	4
H 207 Nutrition	3
NA 100 Fundamentals of Nursing I NA 102 Fundamentals of Nursing II NA 200 Nursing Intervention I NA 202 Nursing Intervention II NA 203 Preceptorship: Managing Client Care	6 7 9 8 3
Elective (strongly recommend Area I or II core course)	3
Total	67

Course Offerings

See page 53 for a definition of the course-numbering system.

NA NURSING

Lower Division

NA 100 FUNDAMENTALS OF NURSING I (3-9-6) (F). First of four sequential courses. Focuses on man's growth and development level, well-being, environmental interaction and ability to cope with stress. Learning experiences increase student knowledge of self and others. Nursing process and psychomotor skills are introduced to assist individuals of all ages to cope with change and to progress toward wellness. PREREQ: Admission to the A.S. program.

NA 102 FUNDAMENTALS OF NURSING II (3-12-7) (S). Builds upon concepts presented in NA 100. Focuses on concepts and methods to assist individuals' and families' adaptation to stressors of illness and surgery. Learning experiences assist student to implement nursing process and further develop psychomotor skills to help individuals of all ages progress toward wellness. PREREQ: NA 100.

NA 114 ORIENTATION TO ASSOCIATE DEGREE NURSING FOR ADVANCED PLACEMENT STUDENT (2-0-2) (S). Designed to assist the student in transition from one role in nursing to another. Content focuses upon basic nursing roles and issues and challenge examinations for advanced placement. (Pass/Fail). PREREQ: PERM/INST, passing score on National League for Nursing Mobility Exam I.

NA 200 NURSING INTERVENTION I (4-15-9) (F). Develop concepts presented in first year courses. Focuses on coping with changes in biopsychosocial health status of individuals and families from prenatal through late adulthood. Students learn by using the nursing process to provide care for patients with complex health problems. PREREQ: NA 102, completion of Intravenous Certification Class (advanced placement students only). COREQ: B 205.

NA 202 NURSING INTERVENTION II (4-12-8) (S). Continues development of concepts acquired in previous courses. Focuses on development of self-directed, flexible, and organized use of nursing process in providing care for individuals of all ages. Learning experiences emphasize patient education, psychodynamics, and management of multiple patients with complex problems. PREREQ: NA 200 and B 205. COREQ: NA 203.

NA 203 PRECEPTORSHIP: MANAGING CLIENT CARE (1-6-3) (S). Synthesis of knowledge acquired in previous courses. Focuses on concepts of client care management, time management, working with the interdisciplinary team in the health care system, and professional development. Learning experiences emphasize socialization to the nursing profession, multiple client care management, and clinical judgement skills. PREREQ: NA 200. COREQ: NA 202.

Practical Nursing (11-Month Program)

Leading to a technical certificate, the Practical Nursing Program involves area hospitals, area long-term care facilities, and the State Board for Vocational Education to provide students with hospital and long-term care nursing experiences and classroom instruction. After completing the program, students are eligible to write the National Council Licensure Examination to become licensed practical nurses. The program is approved by the Idaho State Board of Nursing.

Classroom work includes instruction in the needs of individuals in health and in sickness, with emphasis on the practical nurse's role in meeting these needs. Clinical experience consists of supervised hospital nursing experience in caring for patients with medically and surgically treated conditions; the care of sick children, new mothers, and infants; and rehabilitation and motivational techniques in the care of the aged and long-term patient. Failure to meet requirements in either theory or clinical areas may result in termination from the program.

Admission Requirements

You must be a high school graduate or have passed the General Educational Development Test. You must receive satisfactory scores on the pre-entrance test given by Boise State University. A complete medical examination is also required, as is a personal interview. In September, 30 students are selected to begin in Boise in January; in May, 20 students are selected to begin in Canyon County in August.

The courses will be offered at various times during the 11-month program, depending on the students' date of admission and the availability of clinical experiences. This curriculum meets the requirements for hours and content for the Idaho State Board of Nursing.

Practical Nursing Technical Certificate

Course Number and Title	Credits
PN 101 Professional Concepts	1
PN 102 Anatomy and Physiology for Practical Nursing	4
PN 104 Medical-Surgical Nursing Clinical	7
PN 105 Nutrition and Diet Therapy	2
PN 106 Emergency Nursing Concepts	2
PN 107 Pharmacology for Practical Nursing	3
PN 108 Pharmacology Clinical	1
PN 109 Geriatric Nursing	1
PN 110 Geriatric Clinical	1
PN 112 Maternal and Infant Clinical	1
PN 113 Pediatric Clinical	2
PN 114 Fundamentals of Nursing	5
PN 115 Clinical Foundations	3
PN 120 Community Health and Microbiology	1
PN 121 Medical-Surgical Nursing I	8
PN 122 Medical-Surgical Nursing II	7
PN 123 Growth and Development	1
PN 124 Maternal and Infant Health	2
PN 125 Pediatric Nursing	2
PN 126 Mental Health and Mental Illness	2
PN 180 Intro Computer Applications to Occupational Relations	1
Total	57

Course Offerings

See page 53 for a definition of the course-numbering system.

PN PRACTICAL NURSING

PN 101 PROFESSIONAL CONCEPTS (1-0-1) (F/S). Topics of study for Practical Nursing Professional Concepts will include the role of the practical nurse, legal and ethical aspects, and historical development of the field.

PN 102 ANATOMY AND PHYSIOLOGY FOR PRACTICAL NURSING (4-0-4). A study of the normal structure and function of the body cells, tissues, organs and systems, including the interrelationship of body systems.

PN 104 MEDICAL-SURGICAL NURSING CLINICAL (0-28-7). Clinical experience for PN 121-122.

PN 105 NUTRITION AND DIET THERAPY (2-0-2). An introduction to nutrition and identification of the body's nutritional needs in health and illness, including the study of diet therapy.

PN 106 EMERGENCY NURSING CONCEPTS (2-0-2). A study of assessment and immediate and temporary treatment of persons involved in accidents or other emergency situations.

PN 107 PHARMACOLOGY FOR PRACTICAL NURSING (3-0-3). A study of drug classification, modes of administration, and principles of mathematics essential to drug administration.

PN 108 PHARMACOLOGY CLINICAL (0-4-1). Clinical experience for PN 107.

PN 109 GERIATRIC NURSING (1-0-1). A study of the health needs and problems particular to the elderly patient.

PN 110 GERIATRIC CLINICAL (0-4-1). Clinical experience for PN 109.

PN 112 MATERNAL AND INFANT CLINICAL (0-4-1). Clinical experience for PN 124.

PN 113 PEDIATRIC CLINICAL (0-8-2). Clinical experience for PN 125.

PN 114 FUNDAMENTALS OF NURSING (3-4-5). The student will develop skills in activities and procedures basic to patient care, including medical terminology.

PN 115 CLINICAL FOUNDATIONS (0-12-3). Clinical experience for PN 114.

PN 118 PRACTICAL NURSING SPECIAL THEORY (V-V-1 to 10). Designed to provide the opportunity for study of a specific unit of theory. The topic offered will be selected on the basis of an evaluation of needs of the individual. PREREQ: PERM/DEPT.

PN 119 PRACTICAL NURSING SPECIAL CLINICAL (V-V-1 to 10). Designed to provide the opportunity for specific clinical experience. The clinical offered will be selected on the basis of an evaluation of needs of the individual. PREREQ: PERM/DEPT.

PN 120 COMMUNITY HEALTH AND MICROBIOLOGY (1-0-1). A study of the health needs of the individual, the family, and the community, and microbiology.

PN 121 MEDICAL AND SURGICAL NURSING I (8-0-8). A study of diseases and disorders of the body systems including planning, implementation and evaluation of nursing care.

PN 122 MEDICAL AND SURGICAL NURSING II (7-0-7). Continuation of the study of body systems and nursing care.

PN 123 GROWTH AND DEVELOPMENT (1-0-1). A study of normal growth and development.

PN 124 MATERNAL AND INFANT HEALTH (2-0-2). A study of the obstetric patient and the neonate both in health and illness.

PN 125 PEDIATRIC NURSING (2-0-2). A study of health, diseases and disorders of children.

PN 126 MENTAL HEALTH AND MENTAL ILLNESS (2-0-2). A study designed to enable the student to become skilled in dealing effectively with people, including mental health and the signs and symptoms of mental illness.

PN 180 INTRO COMPUTER APPLICATION TO OCCUPATIONAL RELATIONS (1-0-1) (F/S). A study of job-seeking skills, written communication, and hands-on use of computer technology to complete a personal data packet.

Occupational Therapy, Pre-Professional Program — see Department of Health Studies

Optometry, Pre-Professional Program — see Department of Health Studies

Pharmacy, Pre-Professional program — see Department of Health Studies

Department of Philosophy

1021 Lincoln Hall, Room 208 Telephone 208 385-3304
e-mail: apicolli@idbsu.idbsu.edu Fax 208 385-4332

Chair and Professor: Andrew Schoedinger. *Professor:* Brinton. *Associate Professor:* Harbison. *Assistant Professor:* Cortens *Special Lecturer:* DiPietro.

Degree Offered

- B.A. and Minor in Philosophy

Department Statement

Philosophy involves a reasoned attempt to answer questions that arise from reflection on basic concepts and assumptions about the world and our experience of it. Some of these questions are of obvious practical importance; for example, "How should moral decisions be made?" Others are more abstract; for example, "What is the nature of knowledge (or reality, or goodness)?" Serious philosophical inquiry into such questions is typically grounded in careful study of the efforts of earlier thinkers; thus, an important aspect of the major is the study of the history of philosophy.

The undergraduate major in philosophy does not in itself prepare the student for a specific vocation. For students who aspire to academic careers in philosophy, the major provides the basis for graduate work in the field. For other students, it develops intellectual skills useful in life and in other fields of advanced study, such as law, religion, and public affairs.

The program requirements for a major in philosophy, in addition to the necessary requirements to obtain a bachelor of arts degree from Boise State University, consist of 30 hours of philosophy credit, 21 of which are specifically required courses and 9 of which are electives from other courses in philosophy. Philosophy majors should bear in mind that the university requires the completion of a total of 40 hours of upper-division credit by all graduating seniors.

Philosophy
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
PY 101 Introduction to Philosophy	3
PY 221 Introduction to Logic	3
Area I core course in literature	3
Area I core course in a second field	3
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
PY 211 Ethics	3
PY 305 Ancient Philosophy	3
PY 309 Modern Philosophy	3
PY 413 Analytic Philosophy	3
PY 433 Metaphysics **OR**	3
PY 435 Epistemology	
Upper-division Philosophy electives	9
Upper-division electives to total 40 credits	19
Electives to total 128 credits	43
Total	128

Philosophy Minor	
Course Number and Title	**Credits**
PY 101 Introduction to Philosophy	3
PY 211 Ethics	3
PY 221 Introduction to Logic	3
Philosophy courses other than PY 489	9
Total	18

Course Offerings

See page 53 for a definition of the course-numbering system.

PY PHILOSOPHY

Lower Division

PY 101 INTRODUCTION TO PHILOSOPHY (3-0-3) (F/S) (Area I) [PHIL 101]. A general introduction to some basic philosophical problems and concepts, with attention to selected major philosophers and with an emphasis on philosophical method.

PY 201 ORIENTAL PHILOSOPHY (3-0-3) (S) (Alternate years). An examination of the philosophical teachings of the great oriental thinkers through a study of classical texts selected from the traditions of Hinduism, Confucianism, Taoism, and Buddhism.

PY 211 ETHICS (3-0-3) (S). An investigation of the validity of moral claims, the use of moral language, and the evaluation of classical efforts, for example, utilitarianism, to provide a test of moral rightness.

PY 221 INTRODUCTION TO LOGIC (3-0-3) (F/S) (Area I) [PHIL 201]. A study of the concepts and methods used in the analysis and evaluation of arguments with emphasis on the structure of arguments.

PY 231 PHILOSOPHY OF RELIGION (3-0-3) (F) (Alternate years). An introduction to basic philosophical issues connected with religious belief such as the nature and existence of God, the problem of evil, miracles, and the significance of religious experience.

Upper Division

PY 304 SYMBOLIC LOGIC (3-0-3) (S) (Alternate years). A study of techniques of validation in propositional logic and predicate logic with emphasis on the construction of formal proofs. Some attention will be given to metalogical notions such as consistency and completeness. PREREQ: PY 221.

PY 305 ANCIENT PHILOSOPHY (3-0-3) (F) (Alternate years). An introduction to the origins of Western philosophy in the ancient world, with emphasis on Plato and Aristotle. PREREQ: PY 101.

PY 307 MEDIEVAL PHILOSOPHY (3-0-3) (S) (Alternate years). A survey of major developments in Western philosophy from St. Augustine to Nicholas of Cusa with emphasis on selected figures. PREREQ: PY 101.

PY 309 MODERN PHILOSOPHY (3-0-3) (F) (Alternate years). A survey of developments in Western philosophy from Descartes to Kant with emphasis on selected figures. PREREQ: PY 101.

PY 315 PHENOMENOLOGY AND EXISTENTIALISM (3-0-3) (S) (Alternate years). An exploration of the nature of conscious experience and the place of dread and choice in human existence with emphasis on selected figures in the tradition of European philosophy established by Kierkegaard and Husserl. PREREQ: PY 101.

PY 337 AESTHETICS (3-0-3) (S) (Alternate years). A course in the philosophy of the fine arts covering such topics as the existence and nature of works of art, aesthetic experience, artistic creativity, the species of aesthetic value, and the nature of beauty.

PY 406 PHILOSOPHY OF SCIENCE (3-0-3) (F) (Alternate years). A study of philosophical issues raised by reflection on the nature of science and the results of scientific inquiry. PREREQ: PY 101 or 221.

PY 410 PHILOSOPHY OF MIND (3-0-3) (F/S). An examination of various solutions to the mind/body problem, the problem of other minds, as well as related mental concepts. Problems of action theory may be explored. Offered on demand. PREREQ: PY 101.

PY 413 ANALYTIC PHILOSOPHY (3-0-3) (S) (Alternate years). A critical examination of the development of the analytic method in Anglo-American philosophy with attention to such selected figures as Frege, Russell, Moore, Wittgenstein, and Austin. PREREQ: PY 101 and PY 221.

PY 433 METAPHYSICS (3-0-3) (F) (Alternate years). An investigation of basic problems about the nature of reality. Possible topics include personal identity, the nature of mind, freedom and determinism, the nature of causation, and the problem of universals. PREREQ: PY 101.

PY 435 EPISTEMOLOGY (3-0-3) (F) (Alternate years). An investigation of basic problems concerning knowledge and the justification of belief. Possible topics include attempts to define knowledge and related concepts, the problem of skepticism, and the problem of other minds. PREREQ: PY 101.

PY 441 PART I WESTERN POLITICAL THEORY (3-0-3) (F) (Alternate years). Development of political philosophy from Socrates to Machiavelli. This course may be taken for either PY or PO credit, but not both.

PY 442 PART II WESTERN POLITICAL THEORY (3-0-3) (S) (Alternate years). Development of political thought since Machiavelli. PREREQ: PO 441. This course may be taken for either PY or PO credit, but not both.

PY 489 SENIOR TUTORIAL (3-0-3) (F). Directed research culminating in the writing of a senior essay to be approved by the members of the philosophy faculty. PREREQ: Senior standing in philosophy major and approval by the department chair of a Tutorial Project Proposal by April 1 of the semester preceding the semester when the Tutorial is taken.

Physical Education — see Department of Health, Physical Education and Recreation

Physical Therapy, Pre-Professional program — see Department of Health Studies

Physician Assistant, Pre-Professional program — see Department of Health Studies

Department of Physics

Science/Nursing Building, Room 318 Telephone 208 385-3775
http://www.idbsu.edu/physics Fax 208 385-4330
e-mail: aphtracy@idbsu.idbsu.edu

Chair and Professor: Robert A. Luke. *Professors:* Allen, Dykstra, Newby, Reimann, Smith. *Assistant Professor:* Hanna.

Degrees Offered

- B.S. and Minor in Physics
- B.S. in Physics, Secondary Education

Department Statement

The scope of the program is applied physics. However, flexibility is maintained in order to direct students toward their desired objectives. If the student is interested in going on into graduate physics, more math and some independent study in quantum physics would be recommended. Depending on the particular field of interest in physics, the student could select electives in biology, chemistry, engineering, math, or geophysics.

Degree Requirements

Physics Bachelor of Science	
Course Number and Title	**Credits**
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3

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Physics (continued)	
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
C 131, 132, 133, 134 College Chemistry and Labs	9
M 204 Calculus and Analytic Geometry	5
M 205 Calculus and Analytic Geometry	4
M 324 Multivariable and Vector Calculus	4
M 333 Differential Equations with Matrix Theory	4
One or more of the following:	4
CS 426 Linear Systems and Signal Processing	
M 301 Linear Algebra	
M 340 Numerical Analysis	
M 360 Engineering Statistics	
M 361 Foundations of Statistics I	
M 436 Partial Differential Equations	
M 462 Probability and Statistics II	
PH 211, 212 Mechanics, Waves, and Heat and Lab	5
PH 213, 214 Electricity, Magnetism, and Optics and Lab	5
PH 225 Intermediate Programming	2
PH 301 Analog Electronics	4
PH 304 Transducers	3
PH 309, 310 Introduction to Modern Physics and Lab	4
PH 311 Modern Physics	3
PH 332, 333 Optics	6
PH 334 Optics Lab	1
PH 341 Mechanics	4
PH 381, 382 Electromagnetic Theory	6
PH 432 Thermal Physics	3
PH 481 Senior Lab	3
PH 499 Seminar	1
Electives to total 128 credits	18
Total	128

Physics, Secondary Education
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
TE 201 Foundations of Education	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III	
Area III requirements are automatically met by specific courses included in the major requirements below.	
BT 130 General Botany	4
C 131, 132, 133, 134 College Chemistry and Labs	9
M 204 Calculus and Analytic Geometry	5
M 205 Calculus Analytic Geometry	4
M 324 Multivariable and Vector Calculus	4
M 333 Differential Equations with Matrix Theory	4
PH 105 Introduction to Descriptive Astronomy	4
PH 211, 212 and Mechanics, Waves, and Heat Lecture and Lab	5
PH 213, 214 Electricity, Magnetism, and Optics Lecture and Lab	5

— continued —

Physics, Secondary Education (continued)	
PH 309 Introduction to Modern Physics	3
PH 310 Introduction to Modern Physics Lab	1
PH 311, Modern Physics	3
PH 332, 333 Optics	6
PH 334 Optics Lab	1
PH 481 Senior Lab	3
Z 230 General Zoology	5
Computer programming course, such as CS 125 or EN 124	2-5
Possible earth science elective	4
TE 172 Intro Secondary Teach: Classroom Observation	1
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 Education of Exceptional Secondary Students	1
TE 381 Secondary School Methods	3
TE 384 Secondary School Science Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
Senior High School Student Teaching	10-16
Total	134-140
NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See "Teacher Education" for more information.	

Physics Minor

Course Number and Title	Credits
*PH 211, 212 Mechanics, Waves, and Heat Lecture and Lab	5
PH 213, 214 Electricity, Magnetism, and Optics Lecture and Lab	5
*PH 309, 310 Introduction to Modern Physics and Lab	4
*PH 311 Modern Physics	3
One of the following	3-4
*PH 301 Analog Electronics Lab	
*PH 332, 333, 334 Optics	
*PH 341 Mechanics	
*PH 381 Electromagnetic Theory	
*PH 422 Advanced Topics	
*PH 432 Thermal Physics	
*Math or other prerequisite	
Total	20-21

Course Offerings

See page 53 for a definition of the course-numbering system.

PS PHYSICAL SCIENCE

Lower Division

PS 100 FOUNDATIONS OF PHYSICAL SCIENCE (3-2-4) (Area III) [PHYS 100].
Selected concepts of matter and energy that are widely applicable toward understanding our physical environment. A one-semester course for nonscience majors.

PH PHYSICS

Lower Division

PH 100 A CULTURAL APPROACH TO PHYSICS (3-3-4). Designed for liberal arts students. Students should gain an appreciation for the basic ideas in physics and how these ideas have contributed to the development of western culture by their influence on philosophy, religion and technology.

PH 101-102 GENERAL PHYSICS (3-3-4) (F/S) (Area III) [PHYS 111, PHYS 112].
Mechanics, sound, heat, light, magnetism and electricity. This course satisfies the science requirement for the bachelor of arts and bachelor of science curricula and may be taken by forestry, pre-dental and premedical students. PREREQ: Algebra and trigonometry.

PH 105 INTRODUCTION TO DESCRIPTIVE ASTRONOMY (3-2-4) (F/S) (Area III).
A study of galaxies, stars and planets and their physical relationships, beginning with our own solar system and moving outward. Several scheduled evening viewing sessions and planetarium visits are required. A one-semester course for nonscience majors.

PH 106 RADIOLOGICAL PHYSICS (2-2-3) (F). Fundamental concepts of radiation physics involving structure of the atom, radioactivity, electricity, magnetism, and electromagnetic radiation. Includes the physical principles of magnetic resonance and diagnostic ultrasound.

PH 109 INTRODUCTION TO COMPUTERS (3-2-4). The potential and limitations of computers and their impact on society. The course includes an introduction to computer hardware and programming. Designed for nonscience majors.

PH 207 INTRODUCTION TO BIOPHYSICS (3-3-4) (S). A course relating physical principles to biological applications. Lectures stress concepts of atomic physics, basic electricity, energetics, heat, and optics. The variety of instruments normally found in biological laboratories are used in lab to study biological systems. PREREQ: M 111 or M 108.

PH 211 MECHANICS, WAVES AND HEAT (4-1-4) (F/S) (Area III) [PHYS 211]. Kinematics, dynamics of particles, statics, momentum, rotational motion, gravitation, introductory wave motion, heat, and thermodynamics. PREREQ: M 204. COREQ: PH 212, M 205.

PH 212 MECHANICS, WAVES AND HEAT LAB (0-3-1) (F/S) (Area III) [PHYS 211]. Lab to be taken with PH 211. Basic experiments in mechanics, wave motion, and heat. COREQ: PH 211.

PH 213 ELECTRICITY, MAGNETISM AND OPTICS (4-1-4) (F/S) (Area III) [PHYS 212]. Coulombs law, fields, potential, magnetism, inducted emf, simple circuits, geometrical optics, interference, diffraction, and polarization. PREREQ: PH 211, M 205. COREQ: PH 214.

PH 214 ELECTRICITY, MAGNETISM AND OPTICS LAB (0-3-1) (F/S) (Area III) [PHYS 212]. Lab to be taken concurrently with PH 213. Basic experiments in electricity, magnetism, and optics. COREQ: PH 213.

PH 225 INTERMEDIATE APPLIED PROGRAMMING (2-0-2) (S). Science and engineering computer application with emphasis on procedural and object-oriented programming including graphics. An extensive individual project is required. PREREQ: Computer programming experience. COREQ: M 205 or M 106.

Upper Division

PH 301 ANALOG ELECTRONICS (2-6-4) (F). An introduction to basic electronic test instrumentation and to some of the more common discrete semiconductor devices and integrated circuits. Included are diodes, silicon control rectifiers, transistors, operational and instrumentation amplifiers, voltage regulators, timers, and analog-to-digital converters. The devices will be utilized in simple electronic circuits for rectification, amplification, waveform creation, and other applications. PREREQ: PH 214.

PH 304 TRANSDUCERS (1-6-3) (S). An introduction to some common devices used to convert energy forms into electrical signals and their appropriate signal conditioning. Included are photomultiplier tubes, photoconductive cells, photodiodes, phototransistors, linear variable differential transformers, thermcouples, thermistors, Hall Effect devices, strain gauges, and piezoresistive elements. The IEEE-488 Bus and BUS Controller will be introduced and used throughout the course for data acquisition from the transducers. PREREQ: PH 225 and PH 301.

PH 309 INTRODUCTORY MODERN PHYSICS (3-0-3) (S). An introduction including wave motion with resonances, the Maxwell distribution, and the special theory of relativity, plus atomic, molecular, solid state, nuclear, and elementary particle physics. PREREQ: PH 213, M 324. COREQ: PH 310.

PH 310 INTRODUCTORY MODERN PHYSICS LAB (0-3-1) (S). Lab to be taken concurrently with PH 310. Experiments with resonances and basic modern physics including some computer simulations. PREREQ: PH 213, M 324. COREQ: PH 309.

PH 311 MODERN PHYSICS (3-0-3) (F/S). Basic ideas and statistical methods of elementary quantum mechanics with applications to atomic, molecular, solid state, nuclear and elementary particle physics. PREREQ: M 333 and either PH 309 or PERM/INST.

PH 312 MODERN PHYSICS (3-0-3) (F/S). More detail on the topics covered in PH 311. Will emphasize nuclear and elementary particle physics. Offered on demand. PREREQ: PH 311.

PH 332-333 OPTICS (3-0-3) (F,S). An upper-division course in geometrical and physical optics to include basics of electromagnetic theory, optical systems (including stops and pupils, lens aberrations, thick lenses, and fiber optics), polarization, interference, diffraction, Fourier optics, lasers, and holography. PREREQ: PH 213, M 333. COREQ: for PH 333 is PH 334.

PH 334 OPTICS LABORATORY (0-3-1) (S). Laboratory to be taken concurrently with PH 333. Experiments in optics to include optical systems, thick lenses, interference, diffraction, polarization, Fourier optics, image processing, and holography. COREQ: PH 333.

PH 341 MECHANICS (4-0-4) (F/S). An upper-division course which approaches classical mechanics with the aid of vector calculus and differential equations. Numerical techniques and computer applications will be used. PREREQ: M 333 and PH 211.

PH 381 (EX 390) –PH 382 ELECTROMAGNETIC THEORY (3-0-3) (F-S). Electrostatic fields, potentials, Gauss' law, solutions of Laplace's equation, electrostatics of conductors and dielectric materials, vector potentials, Maxwell's equations, and electromagnetic radiation. This course may be taken for either PH or EX credit, but not both. PREREQ: M 324, M 333, PH 213.

PH 422 ADVANCED TOPICS (3-0-3) (F/S). Selected topics from the major fields of physics such as astrophysics, nuclear, solid state, solar applications, biophysics, or medical physics. Offered on demand. PREREQ: Upper-division standing and PERM/INST.

PH 432 THERMAL PHYSICS (3-0-3) (S). Discussion of temperature, work, specific heat, and entropy. The laws of thermodynamics are discussed and applied to physical problems. Ideal gases, statistics, Gibbs free energy, and cryogenics. PREREQ: PH 213, M 333.

PH 481 SENIOR LAB (1-6-3) (F). A senior laboratory course designed to acquaint the student with concepts of modern physics, laboratory techniques, and measurements. PREREQ: PH 312.

PH 482 SENIOR PROJECT (0-6-2) (S). 1 or 2 credits depending on the project. Elective. A sophisticated library or laboratory project in some area of physics. PREREQ: PH 481.

PH 499 PHYSICS SEMINAR (1-0-1) (S). Individual reports on selected topics. PREREQ: Senior status.

Department of Political Science

Public Affairs/Arts West Building, Room 127 Telephone 208 385-1458
http://www.idbsu.edu/polisci Fax 208 385-4370
e-mail: pspa-ws@sspafac.idbsu.edu

Chair and Associate Professor: Stephanie Witt. *Professors:* Donoghue, Freemuth, Kinney, Moncrief, Raymond, Skillern. *Associate Professors:* Alm, Patton, Sallie, Weatherby. *Assistant Professors:* Levin, Wilkinson.

Degrees Offered

- B.A. and B.S. in Political Science (with emphases areas in American government, international relations, public law and political philosophy, and public administration.)
- B.A. and B.S. in Political Science, Social Science, Secondary Education
- Minor in Political Science
- Master of Public Administration (See the *BSU Graduate Catalog* .)

Department Statement

The department offers courses leading to a B.A. or B.S. degree in political science, with a choice of specified areas of emphasis. The department also provides courses in support of the social science, secondary education option for teachers, as well as a minor in political science.

Political science majors at Boise State University have an opportunity to enjoy a unique and challenging educational experience. The university's location in the capital city provides many resources not readily available at other schools, including such resources as the state law library, state archives, and state and federal government offices.

Majors in political science are prepared for further study at the graduate level or for a variety of careers. Many of our students become teachers or lawyers. Others work for large corporations as public-affairs officers or for federal, state, or local governments in numerous capacities. Some become reporters, lobbyists, or campaign managers; some have been elected to public office.

Political Science Internship Program

Participation in the internship program is strongly encouraged for political science majors. Students may serve as interns in the Idaho State Legislature, or in the Office of the Governor, the Lieutenant Governor or the Attorney General. In addition to providing valuable work experience, students may earn six credits toward their upper-division political science elective courses. Interns are also placed with local governments and the public affairs offices of major corporations.

Degree Requirements

Political Science
Bachelor of Arts or Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field (B.A. must complete 3 credits of Area I core Literature)	3
Area II — see page 41 for list of approved courses	
PO 101 American National Government	3
PO 141 Contemporary Political Ideologies	3
Area II core course in a second field	3
Area II core course in a third field (B.A. must complete 3 credits of Area II core History)	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
PO 231 International Relations	3
PO 298 Introduction to Political Inquiry	3
PO 398 Advanced Political Science Methods	3
Upper-division political science elective courses	15
Area of Emphasis Requirements. A minimum of 15 credits must be completed in the student's chosen area of emphasis (see specific courses below). **American Government Emphasis** Students opting for this area of emphasis must complete a minimum of 15 credits from the following courses: PO 102 State and Local Government PO 301 American Political Parties and Interest Groups PO 302 Public Opinion and Voting Behavior PO 308 Urban Politics PO 309 American Chief Executive PO 312 Legislative Behavior PO 320 American Policy Process PO 331 American Political Theory PO 340 Environmental Politics PO 351 Constitutional Law PO 352 Civil Liberties PO 355 Law, Politics, and Society PO 381 American Political Economy PO 469 Intergovernmental Relations	15
International Relations Emphasis Students opting for this area of emphasis must complete a minimum of 15 credits from the following courses: PO 311 Comparative Foreign Policy PO 321 Introduction to Comparative Politics PO 324 Politics in Russia and Eastern Europe PO 327 Canadian Politics PO 328 Politics in Japan PO 329 Politics of Industrialized Nations PO 333 Comparative Government and Politics of Developing Nations PO 335 United States Foreign Policy PO 421 International Law and Organization PO 429 International Political Economy	

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Political Science (continued)

Public Law and Political Philosophy Emphasis Students opting for this area of emphasis must complete a minimum of 15 credits from the following courses: PO 331 American Political Theory PO 351 Constitutional Law PO 352 Civil Liberties PO 355 Law, Politics, and Society PO 421 International Law and Organization PO 441 Western Political Theory I PO 442 Western Political Theory II PO 445 Jurisprudence PO 467 Administrative Law	
Public Administration Emphasis Students opting for this area of emphasis must complete a minimum of 15 credits from the following courses: PO 102 State and Local Government PO 303 Introduction to Public Administration PO 308 Urban Politics PO 309 American Chief Executive PO 310 Public Finance PO 320 American Policy Process PO 467 Administrative Law PO 469 Intergovernmental Relations PO 487 Organizational Theory and Bureaucratic Structure	
Upper-division electives to total 40 credits	7-10
Electives to total 128 credits	37-40
Total	128

The social science, secondary education emphasis programs are cooperative, multidisciplinary programs involving the departments of economics, history, political science, sociology, and anthropology. Each of these departments, except history, provides a major emphasis within the social science, secondary education emphasis. Students choosing this emphasis must:

1. complete a minimum of 30 credits in political science.
2. complete a minimum of 21 credits in one of the above departments (other than political science) to satisfy graduation requirements. See the department listings for each of these departments for additional information.
3. complete six credits in U.S. history, six credits of American national government, and three credits of comparative government for certification requirements.

Political Science, Social Science, Secondary Education Emphasis
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
PO 101 American National Government	3
PO 141 Contemporary Political Ideologies	3
TE 201 Foundations of Education	3
Area II core course in history	3

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Political Science, Social Science, Secondary Education Emphasis (continued)	
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
PO 102 State and Local Government	3
PO 231 International Relations	3
Upper-division comparative government elective	3
Upper-division political science electives	15
Social science field other than political science	21
TE 172 Intro to Secondary Teaching: Classroom Observation	1
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 Education of Exceptional Secondary Students	1
TE 381 Secondary School Methods	3
TE 385 Secondary School Social Studies Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
TE 483 Senior High School Student Teaching	10
Electives to total 128 credits	15
Total	128
NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See "Teacher Education" for more information.	

Political Science Minor Certification Endorsement

Course Number and Title	Credits
HY 151-152 U. S. History **OR** HY 251-252 Problems in U. S. History	6
History course	3
PO 101 American National Government	3
PO 102 State and Local Government	3
PO 141 Contemporary Political Ideologies	3
PO 231 International Relations	3
Upper-division comparative government course	3
Upper-division political science courses	6
Total	30

For students who wish to major in another field, the department of political science offers a minor in political science. Students must complete 21 credits in political science in addition to the requirements for their major. Students are required to take 9 lower-division credits and 12 upper-division credits from the following course offerings. Each student seeking this minor must first get approval from the department chair in the political science department.

Political Science Minor

Course Number and Title	Credits
Courses from the following: PO 101 American National Government PO 102 State and Local Government PO 141 Contemporary Political Ideologies PO 231 International Relations PO 298 Introduction to Political Inquiry	9
Courses from the following: PO 301 American Parties and Interest Groups PO 302 Public Opinion and Voting Behavior PO 303 Introduction to Public Administration PO 308 Urban Politics PO 309 American Chief Executive	12

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Political Science Minor (continued)	
PO 310 Public Finance	
PO 311 Comparative Foreign Policy	
PO 312 Legislative Behavior	
PO 320 American Policy Process	
PO 321 Introduction to Comparative Politics	
PO 324 Politics in Russia and Eastern Europe	
PO 327 Canadian Politics	
PO 328 Politics in Japan	
PO 329 Politics of Industrialized Nations	
PO 331 American Political Theory	
PO 333 Comparative Government and Politics of Developing Nations	
PO 335 United States Foreign Policy	
PO 340 Environmental Politics	
PO 351 Constitutional Law	
PO 352 Civil Liberties	
PO 355 Law, Politics, and Society	
PO 381 American Political Economy	
PO 398 Advanced Political Science Methods	
PO 421 International Law and Organization	
PO 429 International Political Economy	
PO 441 Western Political Theory I	
PO 442 Western Political Theory II	
PO 445 Jurisprudence	
PO 467 Administrative Law	
PO 469 Intergovernmental Relations	
PO 487 Organizational Theory and Bureaucratic Structures	
PO 493 Internship	
Total	21

Course Offerings

See page 53 for a definition of the course-numbering system.

PO POLITICAL SCIENCE

Lower Division

PO 101 AMERICAN NATIONAL GOVERNMENT (3-0-3) (F/S) (Area II) [POLS 101]. Institutions and processes of the American political system, emphasizing social, ideological, and constitutional background.

PO 102 STATE AND LOCAL GOVERNMENT (3-0-3) (F/S). Institutions and processes of state and local government, with emphasis on state institutions and processes, federalism, and subnatural political economies.

PO 141 CONTEMPORARY POLITICAL IDEOLOGIES (3-0-3) (F/S) (Area II). Principal ideas characterizing liberalism, communism, fascism, and Nazism.

PO 231 INTERNATIONAL RELATIONS (3-0-3) (F/S) (Area II). Nature of relations among nations with particular reference to contemporary international issues. Analysis of the causes of war and efforts to promote peace. Study of national sovereignty and its relation to international cooperation.

PO 298 INTRODUCTION TO POLITICAL INQUIRY (3-0-3) (F). Introduction to techniques of political science inquiry, concentrating on behavioral and attitudinal data analysis. Includes an introduction to statistics and computer applications.

Upper Division

PO 301 AMERICAN PARTIES AND INTEREST GROUPS (3-0-3) (F). Development of understanding of nature, functions, organization, and activities of political parties and interest groups within the American political system. Emphasis on performance of America's two major political parties, especially in nominations and elections, and on organization and lobbying activities of major interest groups. PREREQ: PO 101 or 102.

PO 302 PUBLIC OPINION AND VOTING BEHAVIOR (3-0-3) (S). Development of public opinion and voting behavior. Empirical research from a variety of fields for understanding and analysis of factors that mold popular attitudes and political behavior. PREREQ: PO 101 or 102.

PO 303 INTRODUCTION TO PUBLIC ADMINISTRATION (3-0-3) (F/S). Theory, administrative organization, functions, and problems of governmental units PREREQ: PO 101.

PO 308 URBAN POLITICS (3-0-3) (S) (Alternate years). An inquiry into different urban political systems and issues. Included are investigations into different governing arrangements in urban jurisdictions, including variations in electoral structures, types of governing bodies, and different government structures. Also included is an analysis of the role of political parties and interest groups, as well as urban issues such as transportation, waste disposal, service delivery, and financing. PREREQ: PO 102 or PERM/INST.

PO 309 AMERICAN CHIEF EXECUTIVE (3-0-3) (F). Consideration of the importance and involvement of the President in the political and policy-making processes and powers of the Presidency. Presidential campaigns and elections. The role of the President as policy-maker and administrator. The effect of the personality of a President on performance in office. PREREQ: PO 101.

PO 310 PUBLIC FINANCE (3-0-3) (S). Fiscal aspects of planning and control of governmental units. Principles of taxation and other revenues, government indebtedness, and policy-making. (Interdepartmental course with department of economics students cannot receive credit for both PO 310 and EC 310). PREREQ: EC 205, 206.

PO 311 COMPARATIVE FOREIGN POLICY (3-0-3) (F). Examination of foreign policies and objectives of world's major powers, analysis of contemporary international problems, and consideration of theories of international politics. PREREQ: PO 101 or 231 or PERM/INST.

PO 312 LEGISLATIVE BEHAVIOR (3-0-3) (S). Analysis of behavior of American state and national legislatures. Special consideration given to impact of constituencies, parties, interest groups, interpersonal relations, and other factors on legislators, and the role of the legislature in the American political system.

PO 320 AMERICAN POLICY PROCESS (3-0-3) (S). The process through which policy is determined, implemented, and adjusted, with emphasis on the role of administrators.

PO 321 INTRODUCTION TO COMPARATIVE POLITICS (3-0-3) (F). An introduction to the cross-national analysis of the structure and functioning of various types of political systems, with special emphasis on the problems of political change. PREREQ: PO 101 or PO 231 or PERM/INST.

PO 324 POLITICS IN RUSSIA AND EASTERN EUROPE (3-0-3) (S) (Alternate years). A comparative analysis of the political systems of the former Soviet republics and Eastern Europe, with primary emphasis on Russia. Special attention will be given to the collapse of communism, the problem of democratization, and the transition from state to socialism to a market economy. PREREQ: PO 101 or PO 231.

PO 327 CANADIAN POLITICS (3-0-3) (F) (Alternate years). An analysis of the Canadian political system, with emphasis on political culture, governmental institutions and processes, and selected public policy issues. PREREQ: PO 101 or PERM/INST.

PO 328 POLITICS IN JAPAN (3-0-3) (F). An analysis of the political system of Japan, with special emphasis on the development of Japanese political culture and its impact on the policy process. PREREQ: PO 101 or PO 231 or PERM/INST.

PO 329 POLITICS OF INDUSTRIALIZED NATIONS (3-0-3) (F/S). Political systems of selected industrialized European nations, including Great Britain, France, the German Federal Republic, and the countries of Scandinavia. Analysis of patterns of political culture, political interests, political power, and selected public policy issues. PREREQ: PO 101 or PO 231 or PERM/INST.

PO 331 AMERICAN POLITICAL THEORY (3-0-3) (F). Genesis and development of political thought in the United States from the colonial period to the present.

PO 333 COMPARATIVE GOVERNMENTS AND POLITICS OF DEVELOPING NATIONS (3-0-3) (F/S) (Alternate years). Political systems of selected nations in developing areas of the world, including nation-states in Africa, Asia and Latin America. Patterns and problems of political development and modernization in the nations will be analyzed. PREREQ: PO 101 or PO 231.

PO 335 UNITED STATES FOREIGN POLICY (3-0-3) (F/S) (Alternate years). Development of diplomacy from the foundation of the republic to the present, with emphasis on emergence and continuance of United States as a world power; impact of domestic developments on formulation of foreign policies.

PO 340 ENVIRONMENTAL POLITICS (3-0-3) (F/S). This course explores the political context of natural resource and environmental issues and examines how various aspects of the political process influence natural resource and environmental policy outcomes. PREREQ: PO 101 or PERM/INST.

PO 351 CONSTITUTIONAL LAW (3-0-3) (F). Examination of the Constitution, as interpreted by the Supreme Court, through the case method. Powers and limitations of the judicial, legislative, and executive branches and legal significance of federalism. PREREQ: PO 101.

PO 352 CIVIL LIBERTIES (3-0-3) (S). Examination of constitutional rights and liberties, as interpreted by U. S. Supreme Court, through the case method. Rights of free speech, press, association, religious exercise, privacy, and protection of civil rights that were denied on basis of race or gender. PREREQ: PO 101.

PO 355 LAW, POLITICS, AND SOCIETY (3-0-3) (F/S). Study of the social and political context of the American judicial system, with an emphasis on legal culture, institutions, and process in the field of civil law. PREREQ: PO 101.

PO 381 AMERICAN POLITICAL ECONOMY (3-0-3) (F/S) (Alternate years). Focuses on the interface between American politics and economics. Topics include: theories of the capitalist state and society, and different interpretations of American political economy through competing theoretical approaches.PREREQ: PO 101 or 141 or PERM/INST.

PO 398 ADVANCED POLITICAL SCIENCE METHODS (3-0-3) (S). Examination of the discipline of political science, its central problems and unifying concerns; techniques of scientific political investigation as they relate to improved research methods. PREREQ: PO 298 or PERM/INST.

PO 421 INTERNATIONAL LAW AND ORGANIZATION (3-0-3) (F). The law of peace, international intercourse, war and threat of war, pacific settlement, and the principles and practice of international law. Historical background of international organizations, including the United Nations. PREREQ: PO 101, 231 or PERM/INST.

PO 429 INTERNATIONAL POLITICAL ECONOMY (3-0-3) (F/S) (Alternate years). Examines the relationship between international politics and international economics across different levels of analysis. Includes a discussion of the contending paradigms of international relations, as well as an analysis of the many relationships between/among different nation-state groupings within the world system. PREREQ: PO 101, 231 or PERM/INST.

PO 441 WESTERN POLITICAL THEORY I (3-0-3) (F) (Alternate years). Development of political philosophy from Socrates to Machiavelli. This course may be taken for either PO or PY credit, but not both.

PO 442 WESTERN POLITICAL THEORY II (3-0-3) (F) (Alternate years). Development of political thought since Machiavelli. This course may be taken for either PO or PY credit, but not both.

PO 445 JURISPRUDENCE (3-0-3) (F/S). Philosophical examination of forms of legal reasoning and of principles underlying civil and criminal law. PREREQ: PO 141 or PY 101 or HY 336.

PO 467 ADMINISTRATIVE LAW (3-0-3) (F/S). Sources of power and duties of administrative agencies, rules and regulations made by agencies through investigation and hearings, judicial decisions and precedents relating to administrative activities. PREREQ: PO 303 or PERM/INST.

PO 469 INTERGOVERNMENTAL RELATIONS (3-0-3) (F/S). Interunit cooperation and conflict in the American federal system, including state-local relationships and metropolitan dispersion and integration. PREREQ: PO 101, 102.

PO 487 ORGANIZATIONAL THEORY AND BUREAUCRATIC STRUCTURES (3-0-3) (F/S). Sociopolitical analysis of theories and concepts of complex social organizations, their application to public administration, and the inter-relationship between political science and sociological organizational theory.

PO 493 INTERNSHIP (Variable credit). Upper-division students may arrange through the department for an internship program. The legislative internship is a part of this program and application for it should be made in early October. PREREQ: Cumulative GPA of 2.50 or higher.

Pre-Professional Programs:

- **Architecture - see Department of Art**
- **Chiropractic, Dental, Dietetics, Medicine, Occupational Therapy, Optometry, Pharmacy, Physical Therapy, Physician Assistant, and Veterinary — see Department of Health Studies**
- **Forestry - see Department of Biology**
- **Law — see Pre-Law Advising**
- **Production and Operations Management — see Department of Computer Information Systems and Production Management**

Pre-Law Advising

Business Building, Room 313 Telephone 208 385-3675
Information: Michael Bixby.
OR
Public Affairs and Art West, Room 126A Telephone 208 385-4080
Information: Daniel Levin.

Boise State University does not prescribe a pre-law curriculum; therefore, students' plans should be based on the students' interests and objectives in studying law. In general, the pre-law student should place emphasis not only on acquiring knowledge of the fundamental elements that define the nature and character of society but also on developing methods of study, thought, and communication. Present-day law students have undergraduate degrees in political science, English, business, natural science, history, linguistics, communications, and a host of other disciplines.

For additional information, see the current *U.S. Guide to Law Schools*, published annually in October and prepared by the Law School Admission Council and the Association of American Law Schools. This book includes material on the law and lawyers, pre-law preparation, application to law schools, and the study of law, along with information on most American law schools. The Boise State University Pre-Law Society also provides resources for those students considering a legal career.

Department of Psychology

Education Building, Room 629 Telephone 208 385-1207
http://www.idbsu.edu/psych Fax 208 385-4386
e-mail: pjohnso@sspafac.idbsu.edu

Chair and Associate Professor: Eric Landrum. *Professors:* Anooshian, Chastain, Dodson, Snow. *Associate Professors:* Honts, Seibert. *Assistant Professors:* Amato, Turrisi.

Degrees Offered

- B.A., B.S., and Minor in Psychology

Department Statement

The College of Social Sciences and Public Affairs, through its department of psychology, confers a baccalaureate degree in psychology. Because of the core requirements for all candidates, it is regarded as a degree in general psychology, though some latitude is allowed within the framework set by those requirements. Students should be aware that the total program is designed to produce a graduate with a strong background in basic psychology; in other words, students should not regard successful completion of that program as preparation for professional work in psychology. Rather, the student should think of it as (1) a demonstration of educational attainment, as with any other successful academic experience, and (2) preparation for more specialized training in professional or academic psychology or in some related field.

Psychology is classified as a social science by the university, but not by the State Department of Education. You can apply psychology toward a baccalaureate degree in social sciences. (In this catalog, see the sections on economics, history, political science, anthropology, and sociology.) If you do apply psychology toward a baccalaureate degree in social sciences, you may be certified to teach the subjects that are classified by the State as "social studies," but you will not be certified to teach psychology unless you also meet the requirements for the Minor Certification Endorsement.

Students planning a career of counseling in the schools should major either in elementary education or in some subject matter area that includes a secondary education option. Psychology courses often are explicitly prescribed parts of such programs; additional courses may be taken as electives.

Degree Requirements

In every psychology course that is specifically required for the baccalaureate degree in psychology, students must pass with a grade of C or better.

Upper-Division Admission

All psychology majors must petition for upper-division standing in the major. The evaluation of these petitions, as completed by the Psychology Major Selection Committee, serves to inform students of the likelihood of successful completion of upper-division requirements for the psychology major.

Psychology majors who have not been admitted to upper-division standing in the major will not be allowed to enroll in upper-division psychology courses; majors without upper-division standing will be administratively withdrawn from upper-division courses. Students with majors other than psychology (for example, social work, social science) can enroll in upper-division courses as long as they have fulfilled other stated prerequisites. However, students who have not been admitted to upper-division standing by the Psychology Major Selection Committee will be denied a B.A./B.S. degree with a major in psychology. To petition for upper-division standing, psychology majors must submit a completed petition form and a current transcript to the Psychology Major Selection Committee. These materials must be received by the Psychology Major Selection Committee before the priority registration period for the semester in which the student is seeking upper-division standing. Specific deadlines will be posted in the Education Building, Room 629.

Minimum requirements for upper-division standing in psychology include the following:

1. Admission to Boise State University.
2. Successful completion of the following courses with a grade of C or higher:
   A. E 101, 102 English Composition.
   B. B 100 Concepts of Biology.
   C. Z 107 Concepts of Human Anatomy and Physiology
      OR
      Z 111 Human Anatomy and Physiology.
   D. One core course in mathematics (Area III) or 8 credits in mathematics (if not Area III Core courses).
   E. P 101 General Psychology.
   F. P 225 Physiological Psychology.
   G. P 295 Statistical Methods.
3. Completion of at least 58 credit hours (including courses in progress at time of application).
4. Cumulative GPA of at least 2.50.

Psychology
Bachelor of Arts or Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
P 101 General Psychology	3
Area II core course in history	3
Area II core course in a second field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
B 100 Concepts of Biology	4
Area III core course in a second field	4
Area III core course in any field	4
P 225 Physiological Psychology	3
P 295 Statistical Methods	3
P 321 Research Methods	4
P 489 Systems Seminar	3

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Psychology (continued)	
P 405 Advanced Statistical Methods **OR** P 421 Psychological Measurement	3
P 341 Perception **OR** P 343 Cognitive Psychology **OR** P 441 Learning	3
One of the following: P 331 The Psychology of Health **OR** P 451 Environmental Psychology **OR** P 455 Industrial/Organizational Psychology	3
Two courses from the following: P 301 Abnormal Psychology P 309 Life-Span Development I P 310 Life-Span Development II P 351 Personality P 431 Social Psychology	6
Upper-division psychology course	3
SO 210 Computer Applications in Social Science	4
Z 107 Concepts of Human Anatomy and Physiology **OR** *Z 111 Human Anatomy and Physiology	4
*Mathematics	8
Upper-division electives to total 40 credits	15
Elective to total 128 credits	24
Total	128

*If the selected mathematics courses are Area III Core courses, they may also apply toward the requirement of 12 credits in the Area III Core. Z 111 may also be applied toward the Area III Core requirement.

Psychology Minor

Course Number and Title	Credits
P 101 General Psychology P 295 Statistical Methods	3 3
P 341 Perception **OR** P 343 Cognitive Psychology	3
Two of the following courses: P 301 Abnormal Psychology P 309 Life-span Development I P 310 Life-span Development II P 351 Personality P 431 Social Psychology	6
Upper-division Psychology courses	6
Total	21

Psychology Requirements for a Minor Certification Endorsement by the State Department of Education

Course Number and Title	Credits
P 101 General Psychology P 295 Statistical Methods P 301 Abnormal Psychology P 351 Personality	3 3 3 3
Upper-division psychology courses	9
Total	21

Social Science, Secondary Education Option

Course Number and Title	Credits
P 101 General Psychology P 301 Abnormal Psychology P 351 Personality	3 3 3
Upper-division psychology courses	6
Total	15

Course Offerings

See page 53 for a definition of the course-numbering system.

P PSYCHOLOGY

Lower Division

P 101 GENERAL PSYCHOLOGY (3-0-3) (F,S) (Area II) [PSYC 101]. An introductory course in psychology and a prerequisite to most other psychology courses. Empirical findings are major concerns in the treatment of such topics as perception, learning, language, intelligence, personality, social interactions, and behavioral problems. An overview of scientific methodology is provided.

P 211 CHILD PSYCHOLOGY (3-0-3) (F,S). A study of development and adjustment from conception to adolescence with an emphasis on school-aged children. Consideration will be given to both constitutional and environmental factors, to normal growth patterns, and to problem areas. Not for psychology majors. Credit cannot be obtained for both P 211 and P 309. PREREQ: P 101.

P 212 ADOLESCENT PSYCHOLOGY (3-0-3) (F,S). Chronologically a continuation of child psychology P 211; the special conditions of adolescent growth and adjustment will be emphasized in the course. Consideration will be given to maturational and social patterns and to behavioral, learning and other problem areas. Not for psychology majors. Credit cannot be obtained for both P 212 and P 310. PREREQ: P 101.

P 225 PHYSIOLOGICAL PSYCHOLOGY (3-0-3) (F). A survey of classical and current problems, with emphasis on central and peripheral nervous systems in the processing of information and organization of behavior. Perception, motivation, emotion, and learning are studied from this point of view. PREREQ: P 101, Z 107 or Z 111.

P 261 HUMAN SEXUALITY (3-0-3) (F,S). An overview of human sexuality emphasizing both physiological and psychological aspects of sexuality. Topics include sexual anatomy and physiology, sexual response cycle, childbirth, contraception, sexual dysfunction, sex role development, and sexual deviation. Cross-cultural values will be examined and a values clarification unit will be included.

P 295 STATISTICAL METHODS (3-0-3) (F,S). Statistical concepts and methods commonly used in treatment of data in the social sciences. Topics covered will include: measures of central tendency and of variability, correlation measures, probability, and analysis of variance. PREREQ: P 101, high school algebra.

Upper Division

NOTE: Upper-division psychology courses are reserved for upper-division students.

P 301 ABNORMAL PSYCHOLOGY (3-0-3) (F,S). A descriptive approach to the study of the etiology, development, and dynamics of behavioral disorders, together with a review of current preventive and remedial practices. PREREQ: P 101.

P 309 LIFE-SPAN DEVELOPMENT I (3-0-3) (F). Designed for psychology majors, the course emphasizes theories of human development including psychodynamic, behavioral, social-learning, and cognitive. Contemporary views of heredity and environmental contributions will be examined. Research designs appropriate to developmental issues will be explored. The emphasis will be on development from the prenatal period to adolescence. Credit cannot be obtained for both P 211 and P 309. PREREQ: P 101.

P 310 LIFE-SPAN DEVELOPMENT II (3-0-3) (S). A continuation of the study of human development with the emphasis on development from adolescence to death. Credit cannot be obtained for both P 212 and P 310. PREREQ: P 309.

P 313 PSYCHOLOGY OF AGING (3-0-3) (F/S). An examination of the functional changes occurring during the aging process. Topics will include contemporary methods in the study of aging, aging as a part of life-span development in perception, cognition, personality, achievement, and family relations. Attention will be given to mental health problems of the aged, diagnosis and therapy. PREREQ: P 101.

P 321 RESEARCH METHODS (2-4-4) (F,S). The application of scientific methodology to the study of behavior. Design of experiments, methods of analysis, and interpretation of data; reporting of behavioral research. PREREQ: P 295.

P 331 THE PSYCHOLOGY OF HEALTH (3-0-3) (F/S). Principles that have emerged from the experimental analysis of behavior will be examined. The principles include, but are not limited to, operant and classical conditioning. The course will deal with applications of these principles to the understanding and change of phobias, obesity, smoking, alcoholism, aberrant sexual behavior, and similar problems. PREREQ: P 101.

P 341 PERCEPTION (3-0-3) (S). A survey of the basic concepts in the psychology of perception. Present day research and findings from the human information processing approach are emphasized. Processes are stressed, although coverage of receptor structure, and neural pathways is included. PREREQ: P 101.

P 343 COGNITIVE PSYCHOLOGY (3-0-3) (F). This course explores fundamental issues, principles and models involved in the study of mental processes. Topics include the sensory register, attention, working memory, encoding, retrieval, types of memory, comprehension, schemata, constructive and reconstructive processes, problem solving, and the emotion/cognition relationship. A course in statistics or research design is strongly recommended. PREREQ: P 101.

P 351 PERSONALITY (3-0-3) (F). A study of the major contemporary theories and concepts of personality, with special emphasis on psychoanalytic, humanistic, and behavioral approaches. PREREQ: P 101.

P 357 INTRODUCTION TO COUNSELING SKILLS (3-0-3) (F,S). This course will explore relevant dimensions of the helping relationship, especially the role of the helper. Emphasis will be on developing effective communications and fundamental counseling skills through required student participation in role-playing, audio taping and especially videotaping, and group activities. Limited enrollment. Pass/Fail. PREREQ: P 101.

P 371 SOCIAL PSYCHOLOGY OF SEX ROLES (3-0-3) (F). This course will examine sex roles in our own society. Attention will be given to the development of identity and roles, the social utility and rigidity of sex roles, the implications of sex roles for institutional policy, and the effect of such policy on cultural change. This course may be taken for psychology or sociology credit but not for both. PREREQ: P 101 or SO 101.

P 398 PSYCHOLOGY SEMINAR (3-0-3) (S). Selected topics of special interest to persons planning careers in psychology. Pass/Fail.

P 401 SENIOR REVIEW PRACTICUM (0-3-3) (F,S). A systematic coverage of the general principles of psychology and an opportunity to teach them to others. Practical experience in rendering academic assistance to beginning students and managing large classes. Seminar discussion of difficulties encountered by those students. PREREQ: Senior or 2nd-semester junior standing in psychology with an upper-division GPA above 3.0 and PERM/INST.

P 405-405G ADVANCED STATISTICAL METHODS (3-0-3) (S). Statistical concepts and methods commonly used in the treatment of data in the social sciences will be covered. These include advanced topics in univariate statistics (for example, repeated measures designs) as well as current multi-variate techniques such as discriminant analysis, factor analysis, and principal component analysis. PREREQ: P 295 or equivalent or PERM/INST.

P 421-421G PSYCHOLOGICAL MEASUREMENT (3-0-3) (F). An introduction to the theory and nature of psychological measurement together with a survey of types of psychological tests currently used. PREREQ: P 101 and P 295.

P 431 SOCIAL PSYCHOLOGY (3-0-3) (S). The primary focus is the individual; the unit of analysis, the interpersonal behavior event. A study of individual motives, emotions, attitudes, and cognition with reference to interactions with other human beings. This course may be taken for either psychology or sociology credit, but not both. SO 101 and a course in statistics or research design are strongly recommended. PREREQ: P 101.

P 441 LEARNING (3-0-3) (F). Fundamental concepts of learning, with emphasis on recent developments in the field. Topics to be covered include: conditioning, rote learning, problem solving, memory, discrimination, and motor skills. PREREQ: P 101 and P 295.

P 451 ENVIRONMENTAL PSYCHOLOGY (3-0-3) (F). This course investigates how various aspects of natural and built environments influence human behavior and mental health. Lecture topics and student projects focus upon current environmental research and theories in such topics as conservation attitudes, spatial cognition, crowding, environmental hazards, work environments, and human needs in designed and wilderness spaces. A course in statistics or research design is strongly recommended. PREREQ: P 101.

P 455 INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY (3-0-3) (S). This course examines the psychological theories and methodologies used to respond to the needs of industries and other organizations and to those of the individuals and groups within organizational settings. Topics include organizational theory, organizational behavior, motivation, job satisfaction, job design, group processes, leadership, performance evaluation, selection, placement, training, and development. PREREQ: P 101.

P 489 SYSTEMS SEMINAR (3-0-3) (S). Theories and controversies in American psychology. After a four-week historical orientation by the professor, the emphasis shifts to the present and more recent past, and the format shifts from lecture to seminar. PREREQ: Senior standing in psychology.

P 493 INTERNSHIP IN PSYCHOLOGY (Variable Credit). Some internship experiences are available through the department. Credit may be granted for psychological activities in applied settings. PREREQ: Upper-division standing, psychology major, a cumulative GPA above 3.00, and PERM/INST.

P 495 SENIOR THESIS (0-3-3) (F,S). An individual research project in psychology selected by student. Proposal must be approved by instructor before enrolling. Recommended projects are those which will contribute to the body of psychological knowledge or will apply psychological principles to practical problems. Recommended for psychology students planning on graduate school. PREREQ: P 101 and P 321, PERM/INST.

P 496 INDEPENDENT STUDY IN PSYCHOLOGY (Variable Credit). Independent study is an opportunity to earn academic credit outside of the established curriculum. It assumes the confluence of two streams of interest that of a student and that of a professor. Thus, enrollment is contingent on a voluntary commitment to the project by both parties. PREREQ: Upper-division standing, psychology major, a cumulative GPA above 3.00, and PERM/INST.

Public Administration — see Department of Political Science

Quality Management Minor — see Department of Computer Information Systems and Production Management

Department of Radiologic Sciences

Health Science, Riverside Telephone 208 385-1996
http://www.idbsu.edu:80/radio Fax 208 385-4459
e-mail: dtravis@bsu.idbsu.edu

Chair and Assistant Professor: Darlene Travis. *Assistant Professors:* McCrorie, Staley. *Associate Professor and CT/MRI Program Director:* Lorrie Kelley. *Instructor and DMS Program Director:* Joie Burns

Degrees Offered

- A.S. in Radiologic Sciences
- B.S. in Radiologic Sciences

Department Statement

To determine the presence of injury or disease, radiologic technologists care for and position patients while operating radiographic equipment to produce medical images necessary for diagnosis. Most technologists work in the radiology departments of hospitals or with physicians who maintain private offices.

The Radiologic Sciences Program offers a curriculum that uses both university and clinical components. This integrated program allows students to gain the essential knowledge and skills required to become registered radiologic technologists.

The program is fully accredited by the Joint Review Committee on Education in Radiologic Technology. The curriculum enables students to complete the associate degree requirements and become eligible for the national certification examination. Students may continue their studies to earn a bachelor of science degree with options in radiologic management, in computerized tomography, in magnetic resonance imaging, and in diagnostic medical sonography.

Degree Requirements

Requirements for Admission

1. Freshman Year
   A. Admission to BSU.
   B. Students should see a radiologic sciences advisor and obtain an official program packet.
2. Sophomore Year
   A. Only students who have completed or are in the process of completing the pre-professional curriculum (see * courses in the degree requirements tables) with a GPA of 2.50 or higher will be considered for acceptance into the sophomore year of the Radiologic Sciences

Program. A grade lower than C will not be accepted for any of the required courses.

B. Health status must be adequate to ensure successful performance of program requirements within ADA guidelines. Contact the department chair for details.

Application Process

1. Freshman Year
   A. See Chapter 3 for admission policies.
2. Sophomore Year
   A. Qualified applicants must complete a "Special Programs Application" and return it to the radiologic sciences department office on or before February 15 of the year in which they plan to begin the second (sophomore) year of the required radiologic sciences curriculum. Included should be a transcript of any courses completed at a college or university other than BSU, along with a list of courses in which the applicant is enrolled in.
   B. Selected qualified applicants are required to have an interview during the spring semester of the freshman year. Contact the department chair for details.
   C. All applicants will be notified of their status by April 25. Because of the limited number of clinical sites, the program can accept only a limited number of students each year.

Admission Process

All students admitted to the Radiologic Sciences Program are required to:

1. Submit a negative tuberculosis report (PPD Test) plus a documented rubella and rubeola immunity report to the department by the beginning of the fall semester. The department strongly recommends Hepatitis B vaccination.
2. Submit a current CPR certification card by the beginning of the fall semester and annually throughout the program.
3. Submit $100.00 as pre-payment for student name pin, clinical malpractice insurance, radiation monitoring badges, and markers. This nonrefundable cost is payable by May 5 preceding the fall semester of the admission year.
4. See the *BSU Directory of Classes* for additional semester laboratory fees, payable at the time of registration.

Promotion and Graduation

1. Students must maintain a GPA of at least 2.50 for each semester of the professional program. A lower GPA may constitute basis for removal from the program.
2. Any professional theory course (H, RD) or clinical unit with a grade of less than C must be repeated and raised to C or higher before continuing in the program.

Pre-professional Curriculum

All students who are considering entry into the Radiologic Sciences Program must have completed or be in the process of completing the pre-professional curriculum at the time of application. Courses in the pre-professional curriculum are designated with an asterisk (*) in the following degree-requirements tables. The pre-professional curriculum need not be taken at BSU.

Radiologic Sciences
Associate of Science

Course Number and Title	Credits
*E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
*Area I core course in one field	3
Area I core course in a second field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
*P 101 General Psychology	3
Area II core course	3
Area III — see page 41 for list of approved courses	
*C 107-108 Essentials of Chemistry and Lab	4
*Z 111-112 Human Anatomy and Physiology	8
*H 101 Medical Terminology	3
*IS 101 or EN 102 Computer course	3
H 206 Nursing Skills for Health Care Personnel	1
*M 108 Intermediate Algebra **OR**	4-5
M 111 Algebra and Trigonometry	
PH 106 Radiographic Physics	3
RD 211 Laboratory Practicum	1
RD 221 Laboratory Practicum	1
RD 222 Radiographic Positioning I	4
RD 226 Radiographic Techniques and Control I	1
RD 227 Radiographic Techniques and Control Lab	1
RD 228 Radiographic Tech and Control II	3
RD 230 Radiation Biology-Protection	2
RD 234 Introduction to Radiography Clinical Experience	2
RD 242 Radiographic Positioning II	4
RD 265 Clinical Practicum	1
RD 285 Clinical Experience	4
RD 311 Laboratory Practicum	1
RD 316 Radiographic Positioning III	2
RD 320 Radiographic Procedures	2
RD 321 Radiographic Practicum	1
RD 338 Radiologic Therapy and Imaging System	3
RD 340 Radiographic Quality Assurance	3
RD 350 Medical and Surgical Diseases	2
RD 360 Special Radiographic Procedures	2
RD 375 Clinical Experience	4
RD 376 Clinical Experience	4
RD 385 Clinical Experience	6
RD 392 Radiologic Colloquium	1
RD 395 Clinical Experience	6
Total	108-109

*Indicates a course in the pre-professional curriculum

Baccalaureate Degree Curriculum

Each student must have met and satisfactorily completed all requirements for the associate degree in radiologic sciences at BSU, or have comparable course work in radiologic sciences or a related discipline from another college or university program, must be ARRT registered technologist, or have permission from the department chair.

Radiologic Sciences, Management Option Bachelor of Science

Course Number and Title	Credits
Successful completion of Associate of Science Program	108-109
*E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
*Area I core course in one field	3
*Area I core course in a second field	3
*Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
*P 101 General Psychology	3
*Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
*C 107-108 Essentials of Chemistry and Lab	4
*Z 111-112 Human Anatomy and Physiology	8
H 202 Health Delivery Systems	3
MG 301 Management and Organizational Theory	3
MG 305 Human Resource Management	3
MG 401 Organizational Behavior	3
RD 400 Management of Radiologic Services	3
Upper-division Area II or Area III course	3
Upper-division electives	3
Total	138-139
*Should have been completed in Associate of Science Program.	

Application Process for Computerized Tomography, Magnetic Resonance Imaging, and Diagnostic Medical Sonography

1. Qualified applicants must complete an Imaging Programs Application and return it to the department of radiologic sciences on or before March 1 of the year in which they will begin the special option. The application must contain an application form, three references, and official transcripts, including current courses. Please obtain official application packet from the program director.
2. A $100 acceptance fee must be paid before initiation of courses to prepay clinical malpractice insurance, name pin, and radiation monitoring badges.
3. Follow "Admission Process" and "Promotion and Graduation" as outlined above.
4. See the program director for additional information and application process information.

Radiologic Sciences, Computerized Tomography Option Bachelor of Science

Course Number and Title	Credits
Successful completion of Associate of Science Program	108-109
*E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
*Area I core course in one field	3
*Area I core course in a second field	3
*Area I core course in a third field	3
Area I core course in any field	3

— continued —

Radiologic Sciences, Computerized Tomography Option (continued)

Area II — see page 41 for list of approved courses	
*P 101 General Psychology	3
*Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
*C 107-108 Essentials of Chemistry and Lab	4
*Z 111-112 Human Anatomy and Physiology	8
H 300 Pathophysiology	4
RD 430 Comparative Sectional Imaging	3
RD 450 Principles of Computerized Tomography	3
RD 451 Proc Case Studies Computerized Tomography	2
RD 455 Clinical Experience in Computerized Tomography	6
PE 230 Applied Anatomy and/or upper-division elective	3
Upper-division Area II or Area III course	3
Total	141-142
*Should have been completed in Associate of Science Program.	

Radiologic Sciences, Magnetic Resonance Imaging Option Bachelor of Science

Course Number and Title	Credits
Successful completion of Associate of Science Program	108-109
*E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
*Area I core course in one field	3
*Area I core course in a second field	3
*Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
*P 101 General Psychology	3
*Area II Core course in a second field	3
Area II Core course in a third field	3
Area II Core course in any field	3
Area III — see page 41 for list of approved courses	
*C 107-108 Essentials of Chemistry and Lab	4
*Z 111-112 Human Anatomy and Physiology	8
H 300 Pathophysiology	4
RD 430 Comparative Sectional Imaging	3
RD 440 Principles of Magnetic Resonance Imaging	3
RD 441 Proc Case Studies Magnetic Resonance Imaging	2
RD 445 Clinical Experience in Magnetic Resonance Imaging	6
PE 230 Applied Anatomy and/or upper-division electives	3
Upper-division Area II or Area III course	3
Total	141-142
*Should have been completed in Associate of Science Program.	

Radiologic Sciences, Diagnostic Medical Sonography Option
Bachelor of Science

Course Number and Title	Credits
Successful completion of Associate of Science Program	108-109
*E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
*Area I core course in one field	3
*Area I core course in a second field	3
*Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
*P 101 General Psychology	3
*Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
*C 107-108 Essentials of Chemistry and Lab	4
*Z 111-112 Human Anatomy and Physiology	8
Area II or III courses	2
RD 430 Comparative Sectional Imaging	3
RD 431 Computer Application in Medical Imaging	2
RD 460 Sonographic Physics and Instrumentation	3
RD 461 Abdominal Sonography	3
RD 462 Obstetrics/Gynecology Sonography	3
RD 463 Doppler Procedures	1
RD 464 Special Sonographic Procedures	1
RD 465 Conference and Interpretation Ultrasound I	1
RD 466 Conference and Interpretation Ultrasound II	1
RD 467 Clinical Experience in Ultrasound I	6
RD 468 Clinical Experience in Ultrasound II	6
RD 469 Clinical Experience Ultrasound III	6
Total	155-156

*Should have been completed in Associate of Science Program.

Course Offerings

See page 53 for a definition of the course-numbering system.

RD RADIOLOGIC SCIENCES

Lower Division

RD 211 LABORATORY PRACTICUM (0-3-1) (F). Laboratory demonstration and practice of the radiographic positions and procedures discussed in RD 222. COREQ: RD 222.

RD 221 LABORATORY PRACTICUM (0-3-1) (S). Laboratory demonstration and practice of the radiographic positions and procedures discussed in RD 242. COREQ: RD 242.

RD 222 RADIOGRAPHIC POSITIONING I (4-0-4) (F). The basic concepts and procedures used in obtaining diagnostic radiographs of the upper and lower extremities, chest, and abdomen. COREQ: RD 211.

RD 226 RADIOGRAPHIC TECHNIQUE AND CONTROL I (1-0-1) (F). An introduction to the basic principles of x-ray machine operation, production of x-radiation, and its interaction with matter. The factors affecting exposure values, fog, scatter, density, contrast, and detail will be evaluated during image analysis. COREQ: RD 227 and PH 106.

RD 227 RADIOGRAPHIC TECHNIQUE AND CONTROL LABORATORY (0-2-1) (F). A laboratory experience where students apply the principles of x-ray machine operation and practical application of all image materials. COREQ: RD 226.

RD 228 RADIOGRAPHIC TECHNIQUE AND CONTROL II (3-0-3) (S). An in-depth analysis of all factors affecting the radiographic image to include the photographic properties of density and contrast and the geometric properties of definition, visibility of detail, and distortion. Primary emphasis will be placed on problem solving and reasoning for practical image quality analysis. Included will be processing, image intensification, and photo timing. PREREQ: RD 226.

RD 230 RADIATION BIOLOGY-PROTECTION (2-0-2) (S). General survey of radiation hazards and the potential consequences to both technologist and patient. The most appropriate means of minimizing the radiation dose will be emphasized. PREREQ: RD major or PERM/INST.

RD 234 INTRODUCTION TO RADIOGRAPHY CLINICAL EXPERIENCE (2-0-2) (F). Introduces the students to hospital structure, technical aspects of radiology and medical ethics, and prepares the students for various professional and patient interactions prior to their hospital experience. PREREQ: RD major or PERM/INST.

RD 242 RADIOGRAPHIC POSITIONING (4-0-4) (S). Continuation of RD 222. The basic concepts and procedures used in obtaining diagnostic radiographs of the digestive and urinary systems, pelvic girdles, bony thorax, pelvis, hips, and the spine. PREREQ: RD 222. COREQ: RD 221.

RD 265 CLINICAL PRACTICUM (0-4-1) (F). Supervised clinical observation that will prepare the student for the professional and patient interactions that are present in the clinical education setting. COREQ: RD 234.

RD 285 RADIOLOGIC SCIENCES CLINICAL EXPERIENCE (0-16-4) (S). Supervised clinical hospital experience. The student must complete 75% minimum of recently taught radiographic exams. PREREQ: RD 234.

Upper Division

RD 311 LABORATORY PRACTICUM (0-3-1) (F). Laboratory demonstration and practice of the radiographic positions discussed in RD 316. COREQ: RD 316.

RD 316 RADIOGRAPHIC POSITIONING III (2-0-2) (F). Advanced positioning techniques of the cranium, facial bones, sinuses, and temporal bones. PREREQ: RD 242. COREQ: RD 311.

RD 320 RADIOGRAPHIC PROCEDURES (2-0-2) (F). The study of advanced, specialized radiographic procedures that require individualized equipment, sterile technique, advanced methods, and/or invasive patient care. PREREQ: RD 242. COREQ: RD 316.

RD 321 RADIOGRAPHIC PRACTICUM (0-3-1) (S). An evaluation of the synthesis of advanced radiographic concepts. Identified areas of weakness will be addressed. PREREQ: PH 106, RD 226, RD 228.

RD 338 RADIOLOGIC THERAPY AND IMAGING SYSTEMS (3-0-3) (S). Analysis of new radiologic imaging systems to include sonography, nuclear medicine, computerized tomography, and magnetic resonance imaging. Therapeutic uses of radiation and cross-sectional anatomy will also be considered. PREREQ: Upper-division majors only or PERM/INST.

RD 340 RADIOGRAPHIC QUALITY ASSURANCE (3-0-3) (S). Theory and application of quality assurance techniques for radiographic equipment. Includes demonstrations with various quality assurance instruments. Principles and techniques of daily photographic quality assurance will be introduced. PREREQ: RD 226.

RD 350 MEDICAL AND SURGICAL DISEASES (2-0-2) (F). General survey of various diseases and pathology of the human body as they pertain to radiology. Emphasis on how pathology is demonstrated on radiographs and its effect on radiographic quality. PREREQ: RD 242.

RD 360 SPECIAL RADIOGRAPHIC PROCEDURES (2-0-2) (S). Fundamental concepts of the more specialized radiographic procedures with emphasis on the cardiovascular system, systemic circulatory system, mammography, and intravascular contrast medias. Attention will be given to anatomy, procedures, and equipment operation. PREREQ: RD major or PERM/INST.

RD 375 RADIOLOGIC SCIENCES CLINICAL EXPERIENCE (0-40-4) (SU). Supervised clinical hospital experience. The student must demonstrate competency of recently taught radiographic exams plus continued competency of the exams previously evaluated. PREREQ: RD 285.

RD 376 RADIOLOGIC SCIENCES CLINICAL EXPERIENCE (0-40-4) (SU). Supervised clinical hospital experience. The student must demonstrate competency of recently taught radiographic exams plus continued competency of the exams previously evaluated. PREREQ: RD 375.

RD 385 RADIOLOGIC SCIENCES CLINICAL EXPERIENCE (0-24-6) (F). Supervised clinical hospital experience. The student must complete a minimum 40% of exams involving the skull, 40% exams in special procedures, and 50% continued competency exam list. PREREQ: RD 375.

RD 392 RADIOLOGIC COLLOQUIUM (1-0-1) (S). Topics will be selected from current health care issues. These topics will be presented for discussion by appropriate health care professionals. PREREQ: RD major or PERM/INST.

RD 395 RADIOLOGIC SCIENCES CLINICAL EXPERIENCE (0-24-6) (S). Supervised clinical hospital experience. The student must complete a minimum 40% of special procedures and 50% continued competency exam list. Plus rotation in minor affiliates. PREREQ: RD 385.

RD 400 DEVELOPMENT OF A RADIOLOGY DEPARTMENT (3-0-3) (S). Introduction to the set up and operation of a radiology department including design

principles, projection of demands, and providing for growth and development. Structural and shielding requirements will be discussed. PREREQ: PERM/INST.

RD 430 COMPARATIVE SECTIONAL IMAGING IN THE RADIOLOGIC SCIENCES (3-0-3) (F). Identification of basic anatomy on medical images produced by ultrasound, computerized tomograph,y and magnetic resonance. Application will include imaging of the sagittal, coronal, and transverse body planes. Limited to Certified Radiologic Technologists. PREREQ: PERM/INST.

RD 431 COMPUTER APPLICATIONS IN MEDICAL IMAGING (2-0-2) (F). Introduction to the development of the computer in medical imaging with an emphasis on computer hardware. Clinical applications in computerized tomography, magnetic resonance, and ultrasound as well as applications for radiology departments will also be discussed. Limited to Certified Radiologic Technologists. PREREQ: H 120 or PERM/INST.

RD 440 PRINCIPLES OF MAGNETIC RESONANCE IMAGING (3-0-3) (F,S). Provides descriptive information of the basic principles of physics and instrumentation relative to magnetic resonance imaging. Historical development, mathematical and physical concepts of operation, component and systems integration, and peripheral apparatus will be included. Limited to Certified Radiologic Technologists. PREREQ: PERM/INST.

RD 441 PROCEDURAL CASE STUDIES IN MAGNETIC RESONANCE IMAGING (2-0-2) (F,S). Provides description and discussion of current procedural practices in magnetic resonance imaging. Also allows for analysis of procedural variation with examination of case studies. Limited to Certified Radiologic Technologists. PREREQ: PERM/INST.

RD 445 CLINICAL EXPERIENCE IN MAGNETIC RESONANCE IMAGING (0-24-6) (F,S). Supervised clinical experience in the special imaging area of magnetic resonance. Students will rotate between two different magnetic resonance imaging facilities during the semester. Limited to students in the magnetic resonance imaging program. PREREQ: or COREQ: RD 440.

RD 450 PRINCIPLES OF COMPUTERIZED TOMOGRAPHY (3-0-3) (F,S). Provides descriptive information of the basic principles of physics and instrumentation relative to computerized tomography. Historical development, mathematical and physical concepts of operation, component and systems integration, and peripheral apparatus will be included. Limited to Certified Radiologic Technologists. PREREQ: PERM/INST.

RD 451 PROCEDURAL CASE STUDIES IN COMPUTERIZED TOMOGRAPHY (2-0-2) (F,S). Provides description and discussion of current procedural practices in computerized tomography. Also allows for analysis of procedural variation with examination of case studies. Limited to Certified Radiologic Technologists. PREREQ: PERM/INST.

RD 455 CLINICAL EXPERIENCE IN COMPUTERIZED TOMOGRAPHY (0-24-6) (F,S). Supervised clinical experience in the special imaging area of computerized tomography. Students will rotate between two different computerized tomography facilities during the semester. Limited to students in the computerized tomography program. PREREQ or COREQ: RD 450.

RD 460 SONOGRAPHIC PHYSICS AND INSTRUMENTATION (3-0-3) (F). Provides the student with a thorough knowledge of basic acoustic physics and its application in the field of diagnostic medical sonography. Content includes an examination of the different types of equipment available for medical ultrasonic procedures, quality control, and safety features. PREREQ: PERM/INST.

RD 461 ABDOMINAL SONOGRAPHY (3-0-3) (F). Provides descriptive information on the sonographic procedures of the abdomen, to include: normal sonographic anatomy, pathology, pathophysiology, clinical signs and symptoms of disease, differential diagnosis, equipment set-up, scanning techniques, and echographic patterns of abdominal vasculature. PREREQ: PERM/INST.

RD 462 OBSTETRICS/GYNECOLOGY SONOGRAPHY (3-0-3) (S). Provides information on the basic female pelvic anatomy and anomalies, obstetrical scanning for the placenta from the first trimester through term, assessment of the gestational age, pathological complication, and patient care and preparation. Also includes general gynecological exams and scanning techniques. PREREQ: PERM/INST.

RD 463 DOPPLER PROCEDURES (1-0-1) (S). Provides the foundation needed to understand concepts of producing diagnostic images and information utilizing the various Doppler tools currently available. PREREQ: PERM/INST.

RD 464 SPECIAL SONOGRAPHIC PROCEDURES (1-0-1) (S). Provides descriptive information for special sonographic studies to include imaging of the thyroid, parathyroid, neck masses, superficial structures, breast, male reproductive organs, and chest. Also includes orthopedic, pediatric, ophthalmic, and thoracentesis application. PREREQ: PERM/INST.

RD 465 CONFERENCE AND INTERPRETATION IN ULTRASOUND I (1-0-1) (S). Provides an opportunity to review case studies, disease processes and ultrasound diagnosis. Sonographic scans and scanning techniques are reviewed with guest sonographers and/or radiologists. Limited to Certified Radiologic Technologists.

RD 466 CONFERENCE AND INTERPRETATION IN ULTRASOUND II (1-0-1) (SU). Provides an opportunity to review case studies, disease processes and ultrasound diagnosis. Sonographic scans and scanning techniques are reviewed with guest sonographers and/or radiologists. PREREQ: RD 465.

RD 467 CLINICAL EXPERIENCE IN ULTRASOUND I (0-24-6) (F). Supervised clinical experience in diagnostic medical sonography. Students will be given the opportunity to apply sonographic theory as presented in lecture. Limited to students in the ultrasound program.

RD 468 CLINICAL EXPERIENCE IN ULTRASOUND II (0-24-6) (S). Supervised clinical experience in diagnostic medical sonography. Students will be given the opportunity to apply sonographic theory as presented in lecture. PREREQ: RD 467.

RD 469 CLINICAL EXPERIENCE IN ULTRASOUND III (0-24-6) (SU). Supervised clinical experience in diagnostic medical sonography. Students will be given the opportunity to apply sonographic theory as presented in lecture. PREREQ: RD 468.

Department of Respiratory Therapy

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Chair and Associate Professor: Lonny Ashworth. *Director of Clinical Education and Associate Professor:* Jeffrey M. Anderson. *Medical Director:* D. Merrick, M.D. *Professor:* Colby. *Associate Professor:* Lester. *Assistant Professor:* Hase.

Degrees Offered

- A.S. and B.S. in Respiratory Therapy

Department Statement

Respiratory therapy is an allied health specialty concerned with the treatment, management, control, and care of the patient's breathing. The respiratory therapist is a specialist in the use of therapeutic and evaluation techniques in respiratory care. The respiratory therapy curriculum consists of a pre-professional year followed by two years of professional study, leading to an associate of science degree in respiratory therapy. The associate of science degree qualifies students for the examination of the National Board for Respiratory Care. Students may continue on to the baccalaureate degree.

The Respiratory Therapy Program has been granted accreditation by the Joint Review Committee for Respiratory Therapy Education.

Degree Requirements

Requirements for Admission

1. Pre-Professional Year
   See Chapter 3 for admission policies.
2. Professional Program
   A. Only students who have completed or are in the process of completing the pre-professional curriculum with a GPA of 2.00 or higher will be considered for acceptance into the Respiratory Therapy Program.
   B. Health status must be adequate to ensure performance of hospital activities in accordance with ADA guidelines.

All students admitted to the Respiratory Therapy Program are required to submit a negative PPD and document positive rubella and rubeola immunity report to the department by August of the year in which the student enters the professional program. A chest x-ray is required if the PPD is positive. The department recommends hepatitis B immunizations.

Application Process

1. Pre-professional Year
   See Chapter 3 for admission policies.
2. Professional Program

A. All respiratory therapy program applicants must submit to the department of respiratory therapy a completed "Special Programs Application" on or before March 1 of the year in which they plan to attend the professional program.

B. Applicants may be required to have an interview during the spring semester of the pre-professional year. Contact the department chair for specific dates.

C. Applicants will be notified of their status by the fourth week of April. Due to the limited number of clinical sites, the program can accept only a limited number of students each year.

D. Students accepted into the program are required to pay $5.50 for a name pin at the time of fall semester registration.

E. Lab fees of $16.00 and clinical insurance fees of $14.50 must be paid once each academic year at the time of fall semester registration.

F. Junior students are required to pay a $25 self-evaluation fee plus a $25 fee for an advanced cardiac life support course at the time of spring registration.

G. A fee of $80.00 is required for the Patient Assessment course.

H. All fees noted in D, E, F, and G above are to be paid directly to the BSU Cashier's Office.

Promotion and Graduation

Students who do not meet the following requirements may be removed from the program.

A. Students must earn at least a C in every biology, health science, mathematics, chemistry, and respiratory therapy course.

B. A grade of less than a C in any professional course (H, RT) must be repeated and raised to a C or higher.

Preprofessional Curriculum

All students who are considering entry into the Respiratory Therapy Program must have completed or be in the process of completing the following pre-professional curriculum. Courses in the pre-professional curriculum are denoted with an asterisk (*) in the degree-requirements tables below. The pre-professional curriculum need not be taken at BSU.

Respiratory Therapy
Associate of Science

Course Number and Title	Credits
*E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
*Area I core course	3
Area II — see page 41 for list of approved courses	
*Area II core course	3
*Area I or II core course	3
Area I or II core course	3
Area III — see page 41 for list of approved courses	
*C 107-108 Essentials of Chemistry and Lab	4
*Z 111-112 Human Anatomy and Physiology	8
B 205 Microbiology	4
*H 101 Medical Terminology	3
H 206 Nursing Skills for Health Care Personnel	1
H 216 Laboratory Values	1
H 220 Cardiopulmonary Renal Physiology	3
*M 108 Intermediate Algebra	4
RT 203 Respiratory Therapy Theory I	2
RT 204 Respiratory Therapy Lab I	1
RT 208 Clinical Practicum I	3

— continued —

Respiratory Therapy, Associate of Science (continued)	
RT 209 General Pathology	2
RT 213 Emergency Procedures in Respiratory Care	1
RT 217 Chest Assessment	1
RT 223 Respiratory Therapy Theory II	2
RT 224 Respiratory Therapy Lab II	1
RT 225 Pulmonary Function Lecture	2
RT 226 Pulmonary Function Laboratory	1
RT 227 Pulmonary Medicine I	2
RT 228 Clinical Practicum II	4
RT 301 Principles of Pharmacotherapeutics	3
RT 303 Respiratory Therapy Theory III	3
RT 304 Respiratory Therapy Lab III	1
RT 305 Radiologic Studies of Respiratory System	1
RT 307 Respiratory Cardiology	2
RT 308 Clinical Practicum III	5
RT 323 Respiratory Therapy Theory IV	2
RT 324 Respiratory Therapy Lab IV	1
RT 327 Pulmonary Medicine II	2
RT 328 Clinical Practicum IV	8
RT 398 Professional Seminar	4
Elective to total 103 credits	3
Total	103

Baccalaureate Degree Curriculum

To receive a baccalaureate degree in respiratory therapy each student must have met and satisfactorily completed all requirements for the associate of science degree at BSU, or have an associate degree in respiratory therapy or a related discipline from a comparable college or university program and have permission of the department chair.

Respiratory Therapy
Bachelor of Science

Course Number and Title	Credits
Successful completion of Associate of Science Program	103
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
Area II or III	
Area II or III electives	9
Advanced Clinical Option	
H 213 Introduction to Health Law and Ethics	2
P 295 Statistical Methods **OR**	3-4
SO 310 Elementary Social Statistics	
RT 401 Respiratory Therapy Colloquium	3
RT 493 Respiratory Therapy Internship	6
Total	129

— continued —

Respiratory Therapy, Bachelor of Science (continued)	
Education Option	
P 295 Statistical Methods	3
RT 401 Respiratory Therapy Colloquium	3
TE 201 Foundations of Education	3
TE 225 Educational Psychology	3
TE 381 Secondary School Methods	3
Upper-division electives to total 40 credits	2
Total	132
Management Option	
AC 205 Introduction to Financial Accounting **OR** IS 310 Introduction to Management Information Systems	3
MG 305 Human Resource Management	3
MG 401 Organizational Behavior	3
MG 406 Compensation and Benefits	3
RT 401 Respiratory Therapy Colloquium	3
Total	130

Course Offerings

See page 53 for a definition of the course-numbering system.

RT RESPIRATORY THERAPY

Lower Division

RT 203 RESPIRATORY THERAPY THEORY I (2-0-2) (F). Medical gas therapy to include clinical gases, gas mixtures, and various equipment. Theory and technique of aerosol and humidification therapy; introduction to infection control and cardiopulmonary resuscitation. PREREQ: PERM/INST.

RT 204 RESPIRATORY THERAPY LABORATORY I (0-2-1) (F). Medical gas techniques. PREREQ: PERM/INST.

RT 208 CLINICAL PRACTICUM I (0-9-3) (F). Experience in the hospital with patients, techniques, and equipment. Emphasis on use of medical gases. PREREQ: PERM/INST.

RT 209 GENERAL PATHOLOGY (2-0-2) (F). Human pathology pertaining to systems of defense, modes of injury, diseases of development and function, heart, hematopoietic lymphoreticular, and respiratory systems. PREREQ: PERM/INST.

RT 213 EMERGENCY PROCEDURES IN RESPIRATORY CARE (1-0-1) (F). Theory and technique necessary in emergency respiratory care. PREREQ: PERM/INST.

RT 217 CHEST ASSESSMENT (1-0-1) (S). Theory and application of basic chest assessment including inspection, palpation, percussion, and auscultation. PREREQ: PERM/INST.

RT 223 RESPIRATORY THERAPY THEORY II (2-0-2) (S). Principles, application, and equipment used for hyperinflation therapy. Therapeutic techniques and applications of chest physiotherapy. Introduction to long-term mechanical ventilation. PREREQ: PERM/INST.

RT 224 RESPIRATORY THERAPY LABORATORY II (0-2-1) (S). Use of hyperinflation therapy devices, chest physiotherapy, and mechanical ventilation. PREREQ: PERM/INST.

RT 225 PULMONARY FUNCTION LECTURE (2-0-2) (S). Theory of pulmonary function testing, using simple spirometry, flow-volume loops, closing volumes, nitrogen washout, helium dilution, and body plethysmography. PREREQ: PERM/INST.

RT 226 PULMONARY FUNCTION LABORATORY (0-2-1) (S). Practice in pulmonary function testing and techniques. PREREQ: PERM/INST.

RT 227 PULMONARY MEDICINE I (2-0-2) (S). Ventilation, perfusion, compliance, resistance, and pathophysiology of the lungs. An introduction to pulmonary pathophysiology. PREREQ: PERM/INST.

RT 228 CLINICAL PRACTICUM II (0-12-4) (S). Experience in the hospitals with patients, techniques, and equipment used in hyperinflation therapy and chest physiotherapy. PREREQ: PERM/INST.

Upper Division

RT 301 PRINCIPLES OF PHARMACOTHERAPEUTICS (3-0-3) (F). Principles, practical uses, and interaction of drugs and their relationship to disease. PREREQ: PERM/INST.

RT 303 RESPIRATORY THERAPY THEORY III (3-0-3) (F). Theory and clinical application of mechanical ventilation, including care and management of artificial airways, and hemodynamic monitoring. PREREQ: PERM/INST.

RT 304 RESPIRATORY THERAPY LABORATORY III (0-2-1) (F). Practice using mechanical ventilators and suctioning devices. PREREQ: PERM/INST.

RT 305 RADIOLOGIC STUDIES OF THE RESPIRATORY SYSTEM (1-0-1) (F). Presentation and interpretation of respiratory radiographs. PREREQ: PERM/INST.

RT 307 RESPIRATORY CARDIOLOGY (2-0-2) (F). Electrophysiology, stress and static testing procedures, and recognition of cardiac arrhythmias. PREREQ: PERM/INST.

RT 308 CLINICAL PRACTICUM III (0-16-5) (F). Experience in the hospital with patients, techniques, and equipment as applied to mechanical ventilation and artificial airways. PREREQ: PERM/INST.

RT 323 RESPIRATORY THERAPY THEORY IV (2-0-2) (S). Theory and application of techniques and equipment to neonatology and pediatrics. PREREQ: PERM/INST.

RT 324 RESPIRATORY THERAPY LABORATORY IV (0-2-1) (S). Use of infant ventilators and special techniques pertaining to pediatrics. PREREQ: PERM/INST.

RT 327 PULMONARY MEDICINE II (2-0-2) (F). In-depth examination of pulmonary diseases, certain cardiac diseases, and the clinical management of these diseases. PREREQ: PERM/INST.

RT 328 CLINICAL PRACTICUM IV (0-24-8) (S). Experience in the hospital with any or all aspects of respiratory therapy. PREREQ: PERM/INST.

RT 398 RESPIRATORY THERAPY PROFESSIONAL SEMINAR (4-0-4) (S). Focuses on the ethics and medico-legal aspects of administering a respiratory therapy department. In addition, the problems of budgeting, facilities, personnel, in-service education, record systems, and interdepartmental relations are considered. PREREQ: PERM/INST.

RT 401 RESPIRATORY THERAPY COLLOQUIUM (3-0-3) (S). Investigation of current topics in health care and respiratory therapy management. Field work may be combined with seminars to explore topics such as federal and state legislation, current trends in hospital accreditation and audit procedures, ethics of health care, and the role of the respiratory therapist as manager. PREREQ: PERM/INST.

RT 493 RESPIRATORY THERAPY INTERNSHIP (0-18-6). Supervised clinical practice in health care facilities in specialized areas of advanced intensive care. PREREQ: PERM/INST.

Russian — see Department of Modern Languages

School of Social Work

Education Building, Room 716 Telephone 208 385-1568
http://www.idbsu.edu/socwork Fax 208 385-4291
e-mail: rmcmill@bsu.idbsu.edu

Director and Professor: Juanita Hepler. *Professors:* Huff. *Associate Professors:* Harkness, Hoff, Yunker. *Assistant Professors:* Cotrell, Gonzalez, Wilson.
Practicum Director: Knapp.
B.A. Coordinator: J. E. Gonzalez.
M.S.W. Coordinator: Martha Wilson.

Degrees Offered

- B.A. in Social Work
- Master of Social Work (See the *BSU Graduate Catalog* .)

School Statement

The baccalaureate degree program in social work is fully accredited by the Council on Social Work Education. A major in social work prepares students for beginning social work practice and licensing by the State of Idaho and other jurisdictions.

Social work offers an opportunity for a personally rewarding professional career to those who care deeply about the well-being of others. Social workers provide direct services to individuals, families, groups, and communities. Qualified licensed social workers are in demand in every area of professional practice.

Social work is usually practiced in social welfare agencies and in social work departments at host settings. Social workers are needed to work with children and adults who are mentally ill, emotionally disturbed, delinquent, mentally retarded, physically ill, handicapped, or economically and socially deprived. Social workers are sought for service in schools, courts, hospitals, and clinics that seek to detect and prevent delinquency and child neglect.

The School does not approve academic credit for prior work or life experience in the professional curriculum.

Requirements for Admission to the Professional Curriculum

Students who wish to enroll in the professional curriculum in social work must first apply and be accepted for admission to candidacy for the BSW degree. The school welcomes diversity and invites interest and applications from persons who seek to participate in a profession committed to helping people.

Admission to candidacy for the BSW degree is determined by faculty evaluation of student applications on the basis of the following criteria:

1. **Transcript.** The applicant must provide an official transcript that documents the completion of the liberal arts and sciences foundation and all other prerequisites before enrolling in the professional curriculum. The prerequisites of the professional curriculum include the completion of 66 hours of prescribed course work or its equivalent with a GPA of at least 2.5 on a 4.0 system, and a grade-point average of 2.8 or better on a 4.0 system earned during the two most recent semesters of full-time enrollment in the university.

   Required lower-division courses:

E 101, 102 English Composition	6
Literature (Area I)	6
Arts and Humanities (Area I)	6
History (Area II)	3
PO 101 American National Government **OR**	3
PO 102 State and Local Government	
SO 101 Introduction to Sociology	3
P 101 General Psychology	3
Economics (Area II)	3
SW 200 Introduction to Social Welfare	4
B 100 Concepts of Biology	4
M 105 Mathematics for Business Decision	4
Lab Science or Mathematics (Area III)	4
Area I or II core course	3
Modern Languages	8
Communication course	3
AN 209 Issues of Cultural Diversity **OR**	3
SO 230 Introduction to Multiethnic Studies	

   In addition, the applicant must demonstrate the following skills:

   a. Fluent written communication in the English language demonstrated by earning at least a B in E 102 or its equivalent. Special consideration shall be given when English is the second language.

   b. Basic numeracy demonstrated by earning at least a C in M 105 or its equivalent.

2. **Social work grades.** The applicant must demonstrate a potential for success in social work education and practice by earning no less than a B in SW 200.

3. **Letter of application.** The applicant must demonstrate a potential for success in social work education and practice by submitting a 4-page typewritten letter of application which addresses her or his interest in social work as a career, life experiences shaping an interest in social work, professional social work goals, and an evaluation of personal strengths and limitations.

4. **Work and volunteer history.** The applicant must demonstrate a potential for success in social work education and practice by reporting her or his history of work as an employee and volunteer.

5. **Recommendations.** The applicant must submit two letters of recommendation that evaluate and document the applicant's potential for success in social work education and practice. One recommendation must document the successful completion of no less than 40 hours of work as a supervised employee or volunteer in a human-services agency.

6. **Criminal behavior.** Applicants with a felony record will be urged strongly to explore their prospects for social work licensure with the Idaho Bureau of Occupational Licenses. Applicants with a record of conviction for a violent crime (that is, a crime against persons) may not be admitted to candidacy for the baccalaureate degree in social work.

7. **Ethical behavior** . The applicant must agree in writing to abide by the National Association of Social Workers' Code of Ethics, with the understanding that she or he may be terminated from the social work program if, in the judgement of the faculty, a violation of the code occurs.

8. **Personal interview.** The faculty may request an interview with the applicant to confirm the applicant's potential for success in social work education and practice.

9. **Falsification.** Any falsification in the application for admission is grounds for dismissal from the program.

10. **Reapplication.** Applicants who are not admitted to BSW candidacy may reapply without prejudice.

Application Procedures

The School of Social Work reviews and approves applications for admission to BSW candidacy throughout the academic year. Interested students may obtain current application materials and procedures at the social work office.

Degree Requirements

Social Work
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core courses in literature	6
Area I core course in a second field	3
Area I core course in a third field	3
Area II — see page 41 for list of approved courses	
EC 205 Principles of Microeconomics **OR**	3
EC 206 Principles of Macroeconomics	
P 101 General Psychology	3
SO 101 Introduction to Sociology	3
Area II core course in history	3
Area III — see page 41 for list of approved courses	
B 100 Concepts of Biology	4
M 105 Mathematics for Business Decisions	4
Area III core course in any field	4
P 309 Life-Span Development I	3
P 310 Life-Span Development II	3
PO 101 American National Government **OR**	3
PO 102 State and Local Government	
SO 230 Introduction to Multi-Ethnic Studies **OR**	3
AN 209 Issues of Cultural Diversity	
SW 200 Introduction to Social Welfare	4
SW 301 Social Welfare Policy	3
SW 321 Human Behavior in Social Environment	3
SW 333 Generalist Social Work Practice	3
SW 380 Social Work Research Methods and Statistics	3
SW 444 Social Work Skills I	3
SW 455 Social Work Skills II	3
SW 480, 481 Field Work	10
SW 498, 499 Senior Seminar	2
Communication course	3
Modern languages	8
Upper-division social sciences and public affairs electives Must be selected from anthropology, communication, criminal justice administration, history, political science, psychology, social work, or sociology, with approval of your advisor. Internships are excluded from fulfilling social sciences and public affairs electives; they can fulfill general electives only.	9
Electives to total 128 credits	20
Total	128

Course Offerings

See page 53 for a definition of the course-numbering system.

SW SOCIAL WORK

Lower Division

SW 200 INTRODUCTION TO SOCIAL WELFARE (3-2-4) (F/S) (Area II). Survey of contemporary social welfare programs, their historical development, underlying philosophy, and the need for social services in a modern society. Requires 45 hours of service learning in a social service agency in addition to regular course work.

SW 293-493 SOCIAL WORK INTERNSHIP (F/S). Provide students practical, on-the-job social work experience in a social service agency. Forty-five hours worked equals one credit hour; no retroactive credits earned. Maximum of six internship credits per semester; maximum of twelve internship credits applied toward degree. Internships are excluded from fulfilling nine credit hours of social sciences and public affairs electives; they can fulfill general electives only. With approval of internship coordinator.

Upper Division

SW 301 SOCIAL WELFARE POLICY (3-0-3) (F/S). Reviews institutional social welfare and professional social work mechanisms to deal with the problems of social change. Explores a range of concepts, skills, tasks, policy-making styles, and case examples which enable social workers to become effective policy practitioners/proactive participants in shaping public social welfare policies. PREREQ: Admission to BSW candidacy.

SW 321 HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT (3-0-3) (F/S) . Presents a broad perspective of human behavior relevant to social work using a social systems perspective under which various theoretical perspectives fit. Develops key concepts for understanding a number of individual and social problems: physical/sexual abuse, substance abuse, mental illness, physical illness, multi-problem families, and poverty. Explores issues of diversity, gender, race and ethnicity, and sexual orientation. PREREQ: Admission to BSW candidacy and P 309. PREREQ or COREQ: P 310.

SW 333 GENERALIST SOCIAL WORK PRACTICE (3-0-3) (F/S). Introduction to social work practice from a generalist perspective including models of practice, ethical issues, basic interviewing skills, ethnic and cultural dimensions, and foundation methods of practice. PREREQ: Admission to BSW candidacy.

SW 380 SOCIAL WORK RESEARCH METHODS AND STATISTICS (3-0-3) (F/S). Provides an introduction to the scientific method and the basic elements of applied research methodology and statistics. The focus will be on the use of research in social work and the manner in which research intertwines with other social work knowledge and skills. PREREQ: Admission to BSW candidacy and M 105.

SW 414 CHILD WELFARE (3-0-3) (F/S). This course will discuss qualities in parents that allow children to achieve optimal emotional, social, and intellectual growth. A family systems approach will be used to describe healthy family functioning and family disfunction. The focus will be on family intervention in response to issues such as substance abuse, child abuse, domestic violence, and other issues affecting the well being of families and children.

SW 433 AGING: SOCIAL POLICY AND PROGRAMS (3-0-3) (S) (Alternate years). This course includes policy issues and services that are or should be available to all ages, and special services that must be available for the frail, impaired, and isolated aged. Content survey includes the Social Security Act and the Older American Act, and their amendments. Available programs are explored, including local agencies, organizations, and related social services. PREREQ: Upper-division standing or PERM/INST.

SW 434 WOMEN AND PEOPLES OF COLOR, MULTICULTURAL ISSUES OF IDENTITY AND OPPRESSION (3-0-3) (F/S). Historical oppression is central to the experiences of women and peoples of color in the United States. This course is a comparative exploration of experiences, emphasizing those aspects of gender, cultural, and racial diversity most pertinent to social work and social welfare.

SW 444 SOCIAL WORK SKILLS I (3-0-3) (F/S). Social work interviewing, assessment, goal setting, problem solving, relationship building, evaluation, and related skills with individuals, families, and small groups. Theories and ethics of social work practice. PREREQ: Admission to BSW candidacy and SW 333.

SW 455 SOCIAL WORK SKILLS II (3-0-3) (F/S). Social work skills in group and community settings. Large group skills including organizing, fund-raising, advocacy, policy practice, social change, and social development. Theories of social development and social justice. PREREQ: Admission to BSW candidacy and SW 333.

SW 480 FIELD WORK I (0-16-5) (F). Requires the student to work sixteen clock hours per week as a practicing social worker under the teaching supervision of a professionally trained and experienced social worker. Must apply for admission into the field work program no later than October 31 preceding enrollment. (Pass/Fail). PREREQ: Admission to BSW candidacy, SW 301, 321, 333, 380, P 310; Cum GPA: 2.5; Major GPA: 3.0. Department approval.

SW 481 FIELD WORK II (0-16-5) (S). Continuation of Field Work I. (Pass/Fail). PREREQ: SW 480 and PERM/INST.

SW 498 SENIOR LEVEL SEMINAR (1-0-1) (F). Facilitates and encourages the student's development as an entry level practitioner through the synthesis of social work theory, practice and values. Must be taken concurrently with SW 480.

SW 499 SENIOR LEVEL SEMINAR (1-0-1) (S). Continuation of SW 498. Must be taken concurrently with SW 481.

Department of Sociology

Library Building, Room 171 Telephone 208 385-3406
http://www.idbsu.edu/sociolgy Fax 208 385-4371
e-mail: dflacke@sspafac.idbsu.edu

Chair and Professor: Michael Blain. *Professors:* Baker, Dorman, Ollenburger, Patrick. *Assistant Professors:* Corbin, Lopez. *Visiting Assistant Professor:* Orr.

Degrees Offered

- A.A. in Social Science
- B.A. and Minor in Multi-Ethnic Studies
- B.A. and B.S. in Social Science
- B.A., B.S., and Minor in Sociology
- B.A. in Sociology, Interdisciplinary Social Science, Secondary, Education
- B.A. in Sociology, Social Science, Secondary Education
- Minor in Mexican-American Studies

Department Statement

The faculty of the department of sociology are committed to the democratic belief in the power of scientific reason to solve human social problems. As a faculty, we believe that an ability to think critically about public affairs is one of the marks of an educated person and a key to the resolution of many important problems. Consistent with these beliefs and commitments, the faculty's primary aims are to provide high quality teaching, research, and public service in social science.

The degree programs administered by the department of sociology are central to the State Board of Education's mandate that Boise State University be the lead institution in social sciences and public affairs. Departmental programs include three baccalaureate degrees, one associate of arts degree in social science, and three minors. Faculty also participate in the following interdisciplinary studies programs: women's studies, Canadian studies, a gerontology minor, and the master of interdisciplinary studies degree program.

Degree Requirements

The social science degree is a cooperate program involving the departments of anthropology, communication, criminal justice administration, economics, history, political science, psychology, and sociology. Its purpose is to provide students with the opportunity to pursue an interdisciplinary program of study in social science tailored to their specific academic and/or vocational interests.

Social Science
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3

— continued —

Social Science, Bachelor of Arts (continued)	
Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
One year of college level foreign language in sequence Language equivalency required by the sociology department will be determined by the department of modern languages or the classical language program director.	8
SO 201 Theories of Society	3
SO 210 Computer Applications in Social Science	4
SS 498 Senior Seminar	3
– 493 Internship	3
Methods course: CM 302, HY 210, P 321, PO 398, or SO 311	3
*Upper-division first field	12
*Upper-division second field *Select from the following for first and second fields of study: anthropology, communication, criminal justice administration, economics, history, political science, psychology, and sociology. Only three (3) credit hours in each field may be workshops, special topics, independent study courses, or internships.	12
Upper-division electives to total 40 credits	7-10
Electives to total 128 credits	28-31
Total	128

Social Science
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
Area II or III electives These courses do not have to be selected from the approved core list, but are to be chosen from anthropology, biology, chemistry, communication, economics, engineering, geography, geology, history, mathematics, physical science, physics, political science, psychology, social work, sociology, and teacher education.	9
SO 201 Theories of Society	3
SO 210 Computer Applications in Social Science	4
SS 498 Senior Seminar	3
– 493 Internship	3
Methods course: CM 302, HY 210, P 321, PO 398, or SO 311	3
Statistics course: P 295, PO 298, or SO 310	3
*Upper-division first field	12

— continued —

Social Science, Bachelor of Science (continued)	
*Upper-division second field *Select from the following for first and second fields of study: anthropology, communication, criminal justice administration, economics, history, political science, psychology, and sociology. Only three (3) credit hours in each field may be workshops, special topics, independent study courses, or internships.	12
Upper-division electives to total 40 credits	3-10
Electives to total 128 credits	32-39
Total	128

Sociology is a social science devoted to the empirical analysis of human societies. The goal of the sociology degree program is to train students to engage in social scientific analysis and to think critically about public affairs. Each student is required to complete courses in theory, social research methods, computer-applications, and statistical analysis.

Sociology
Bachelor of Arts*
Bachelor of Science

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in one field	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field (B.A. must complete 3 credits of Area I core literature.)	3
Area II — see page 41 for list of approved courses	
Area II core course in one field	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field (B.A. must complete 3 credits of Area II core history.) (Sociology courses MAY NOT be used to satisfy Area II requirements.)	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
B.A. Area I or II courses **OR** B.S. Area II or III courses	9
SO 101 Introduction to Sociology	3
SO 201 Theories of Society	3
SO 210 Computer Applications in Social Science	4
SO 310 Elementary Social Statistics	4
SO 311 Social Research	3
SO 400 Sociological Theory	3
SO 490 Senior Practicum	3
SO 498 Sociology Seminar	3
15 credit hours of electives chosen from the sociology course offerings are required for the major. The department maintains undergraduate specializations from which students may choose some of their elective courses: 1) **Social Research:** SO 310 Advanced Social Statistics, SO 412 Qualitative Social Research, SO 493 Internship in social research settings. 2) **Dispute Resolution:** SO 290 Social Conflict and Peacemaking, SO 390 Conflict Management, SO 395 The Sociology of Peace and War, SO 493 Internship in dispute resolution settings.	15
Upper-division electives to total 40 credits	9
Electives to total 128 credits	27
Total	128
NOTE: *The B.A. degree requires one year of a foreign language.	

Any BSU baccalaureate student may earn a minor in sociology by satisfying the requirements listed below (in addition to requirements for a major and university requirements).

Sociology Minor

Course Number and Title	Credits
SO 101 Intro to Sociology	3
SO 201 Theories of Society	3
SO 311 Social Research	3
Upper-division Sociology courses	9
Sociology course	3
Total	21

Sociology, Interdisciplinary Social Science Secondary Education Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II	
EC 205 Principles of Microeconomics	3
HY 151/251 U.S. History	3
PO 101 American National Government	3
TE 201 Foundations of Education	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
AN 209 Issues in Cultural Diversity	3
Upper-division anthropology chosen from: AN 311, AN 409, AN 411 or upper-division archaeology course	6
EC 206 Principles of Macroeconomics	3
GG 102 Cultural Geography	3
GG 210 Survey of World Regional Geography	3
Upper-division geography course chosen from: GG 321, GG 331, GG 340, GG 350	6
HY 152/252 U.S. History	3
HY 210 Introduction to the Study of History	3
Lower-division history course chosen from: HY 101/201 HY 102/202, HY 105	6
Upper-division U. S. history course	3
Upper-division European or nonwestern history course	3
PO 102 State and Local Government	3
PO 331 American Political Theory	3
Upper-division comparative government course	3
SO 101 Introduction to Sociology	3
SO 201 Theories of Society	3
SO 400 Sociological Theory	3
SO 431 Social Psychology	3
TE 172 Intro Secondary Teach: Classroom Observation	1
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 Education of Exceptional Secondary Students	1
TE 381 Secondary School Methods	3
TE 385 Secondary School Social Studies Methods	3

— continued —

Sociology, Interdisciplinary Social Science, Secondary Education (continued)

TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
TE 483 Senior High School Student Teaching	10
Total	128

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See "Teacher Education" for more information.

The social science, secondary education emphasis programs are cooperative, multidisciplinary programs involving the departments of economics, history, political science, sociology, and anthropology. Each of these departments, except history, provides a major emphasis with the social science, secondary emphasis. Students choosing this emphasis must:

1. complete a minimum of 39 credits in sociology.
2. complete a minimum of 21 credits in one of the departments listed above (other than sociology) to satisfy graduation requirements. See the department listings for each of these departments for additional information.
3. complete six credits in U.S. history and three credits of American national government for certification requirements.

Sociology, Social Science Secondary Education Emphasis Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
Area II core course in U. S. history	3
PO 101 American National Government	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
SO 101 Introduction to Sociology	3
SO 201 Theories of Society	3
SO 210 Computer Applications in Social Sciences	4
SO 310 Elementary Social Statistics	4
SO 311 Social Research	3
SO 400 Sociological Theory	3
SO 498 Sociology Seminar	3
Upper-divison Sociology courses	16
Social science field other than sociology	21
TE 172 Intro Secondary Teach: Classroom Observation	1
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 Education of Exceptional Secondary Students	1
TE 381 Secondary School Methods	3
TE 385 Secondary School Social Studies Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
TE 483 Senior High School Student Teaching	10
Total	128

NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See "Teacher Education" for more information.

Minor certification endorsements for teaching areas are listed in this catalog in "Teacher Education."

Sociology Minor Certification Endorsement

Course Number and Title	Credits
SO 101 Introduction to Sociology	3
SO 201 Theories of Society	3
SO 210 Computer Applications in Social Science	4
SO 311 Social Research	3
SO 400 Sociological Theory	3
Upper-division sociology courses	6
Total	22

The sociology minor in Mexican-American studies requires a student to complete 18 hours of core courses in specified Mexican-American studies courses and an additional 6 credits in related topics selected from other disciplines. Students will be introduced to the issues and problems facing Mexican-Americans in the United States and Idaho. Students will have the opportunity to explore Mexican-American culture and how America's social institutions and social organizations relate to and react to the Mexican-American population. Special emphasis in the sociology classes is placed on examining the work of practitioners from applied sociology, clergy, legal profession, and social service agencies to ameliorate the problems facing Mexican-Americans.

Mexican-American Minor

Course Number and Title	Credits
HY 468 History of Mexico	3
SO 230 Introduction to Multi-Ethnic Studies	3
SO 279 Contemporary Mexican Society and Relations with U. S	3
SO 333 Mexican-American Life through Sociology, Literature,and Practice	3
SO 493 Internship (emphasis on Hispanic placements)	3
SO 499 Seminar in Mexican-American Studies	3
Courses chosen from AN 101, AN 319, HY 261, S 101, S 102, S 201, S 202, TE 278. (With departmental approval, new courses and special topics courses with Mexican-American content may be offered in the future.)	6
Total	24

The Multi-Ethnic studies program, which is open to all students, is an interdisciplinary area of emphasis leading to a B.A. degree. The program helps students provide themselves with an understanding of non-European tradition, cultures, languages, problems, and perspectives.

The program is supervised by an interdisciplinary group of faculty and students. To develop a program of study, prospective majors may contact Dr. John Jensen, teacher education; A. R. Corbin, department of sociology; or the chair of the social work.

Multi-Ethnic Studies Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
Area I core course in literature	3
Area I core course in a second field	3
Area I core course in a third field	3
Area I core course in any field	3

— continued —

Multi-Ethnic Studies (continued)

Area II — see page 41 for list of approved courses	
Area II core course in history	3
Area II core course in a second field	3
Area II core course in a third field	3
Area II core course in any field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in a third field	4
Area I or II courses	9
AN 102 Cultural Anthropology	3
HY 261 History of Multicultural America	3
SO 230 Introduction to Multi-Ethnic Studies	3
SO 305 Racial and Cultural Minorities	3
Ethnic literature courses	6
Ethnic courses (A list of approved course offerings is available from program supervisors.)	30
Upper-division electives to total 40 credits	7
Electives to total 128 credits	22
Total	128

Multi-Ethnic Studies Minor

Course Number and Title	Credits
HY 261 History of Multicultural America	3
SO 230 Introduction to Multiethnic Studies	3
Ethnic literature course	3
Ethnic courses A list of approved courses is available from program supervisors.	12
Total	21

Course Offerings

See page 53 for a definition of the course-numbering system.

SO SOCIOLOGY

Lower Division

SO 101 INTRODUCTION TO SOCIOLOGY (3-0-3) (Area II) [SOC 101]. An introduction to groups, organizations, and societies, and their impact on human behavior. Emphasis is on sociological perspectives, concepts, methods, and applications in areas such as organization, socialization, inequality, institutions, intergroup relations, change, etc.

SO 102 SOCIAL PROBLEMS (3-0-3) (Area II) [SOC 102]. A study of problems that arise due to breakdown of norms and value consensus in society, the causes and solutions to these problems. The student is challenged to continually reexamine his/her own values in reference to the problems under consideration.

SO 121 DATING AND MARRIAGE (3-0-3) (S). An informative study and discussion of mate selection, marital relationships and adjustments, parenthood and related subjects, each exploited at length in popular culture but usually ignored as a serious subject of academic examination. The course will emphasize factual knowledge, self understanding, and a sociological perspective on marriage in a changing society.

SO 201 THEORIES OF SOCIETY (3-0-3) (F). Introduction to the major analytical and interpretative contributions of sociology towards an understanding of the nature and causes of human behavior in society. PREREQ: SO 101.

SO 210 COMPUTER APPLICATIONS IN SOCIAL SCIENCE (3-2-4) (F/S). The objectives of this course are (a) to develop an understanding of computer applications of social science data, and (b) to provide students an experience in the collection and analysis of social data with increased ease via the computer.

SO 230 INTRODUCTION TO MULTI-ETHNIC STUDIES (3-0-3) (F/S) (Area II). This course views majority and minority relations and confronts, challenges, and motivates students to know themselves better and understand some societal problems: for example, racism, prejudice, etc. The course deals with the degree to which ethnic relations involve questions of economic and political power and the distribution of the power. It looks at American society's institutional role in maintaining and perpetuating systematic inequality.

SO 278 MEXICAN-AMERICAN TRADITION AND CULTURE (3-0-3) (S). This class provides an exploration of Mexican-American traditions and culture. It explores the history of the Mexican-American people including their influence on contemporary American language, customs and beliefs.

SO 279 CONTEMPORARY MEXICAN SOCIETY (3-0-3) (F/S). The course will consist of an examination of the major social institutions in modern Mexico. The course will also focus on the social life and problems facing contemporary Mexico. Students will study the cultural diversity of contemporary Mexico and review Mexican social thinkers who analyze its national character. The complex relationship of Mexico with the United States will be explored including such topics as undocumented workers, drug trafficking, international politics, and transnational corporations.

SO 290 (CR 290) SOCIAL CONFLICT AND PEACEMAKING (3-0-3) (F). (Cross listed CR 290.) An introductory survey course covering broadly the kinds of conflict that occur between persons, groups, organizations and societies, with attention to why these conflicts arise, and to a range of peaceful solutions to conflicts using nonviolent, nonadversarial methods. The course ranges from interpersonal conflict to the international nuclear arms race. This course may be taken for SO or CR credit, but not both.

Upper Division

SO 305 RACIAL AND CULTURAL MINORITIES (3-0-3) (S) (Alternate odd years). Comparative study of inter-ethnic relations. Problems and possibilities of genocide, oppression, integration, pluralism and equality. PREREQ: SO 101 or P 101 and upper-division standing.

SO 306 SOCIOLOGY OF AFRICAN AMERICANS (3-0-3) (F/S). Examination of the African American presence and experience in the contemporary United States will emphasize political, socio-economic, and cultural issues. Sociological and other perspectives will be introduced which offer promise in reconciling problems that separate peoples.

SO 307 THE ASIAN AMERICAN SOCIAL EXPERIENCE (3-0-3) (F/S) (Alternate years). Examination of the Asian presence and experience in the United States emphasizing current social, economic, political, and cultural issues.

SO 310 ELEMENTARY SOCIAL STATISTICS (3-2-4) (F/S). The application of measurements to social research data. Basic statistical measures, and techniques for their application, meaning, and use in research. Recommended for majors to be taken in the junior year and followed by SO 311. PREREQ: SO 101, high school algebra, and upper-division status.

SO 311 SOCIAL RESEARCH (3-0-3) (S). An introduction to the empirical basis of modern sociological methods of research design and the statistical analysis of social data. PREREQ: SO 101.

SO 320 RADICAL SOCIOLOGY (3-0-3) (F) (Alternate years). Analysis of contemporary radical power theory and its application in the study of modern socioeconomic problems. This course will examine issues of social importance from the perspective of conflict theory, neo-Marxian and Elitist theory. PREREQ: SO 101 and upper-division standing.

SO 325 SOCIOLOGY OF AGING (3-0-3) (F/S). Analysis of aging as a social process, emphasizing the changing roles as a result of the process, the demands made on and by society because of the way it defines and deals with age, and the problems created for society and for the aged as a result of values, attitudes, and beliefs. PREREQ: SO 101 and upper-division standing.

SO 330 SOCIOLOGY OF VIOLENCE (3-0-3) (F) (Alternate years). The incidence of deliberate injury of one human by another is analyzed in terms of social and cultural patterns that act to produce, alter, or discourage acts of violence. The various forms violence may take are examined from a sociological perspective. PREREQ: SO 101 and upper-division status.

SO 331 DEVIANT BEHAVIOR (3-0-3) (F) (Alternate odd years). Analysis of behaviors which violate the norms of society, and the causes of and solutions for these forms of behavior. The challenge for students is to decide where the problem lies with those labeled deviant or with those doing the labeling. PREREQ: SO 101, upper-division status.

SO 333 MEXICAN-AMERICAN LIFE THROUGH SOCIOLOGY, LITERATURE, AND PRACTICE (3-0-3) (F/S). This course provides readings in sociological theory and research concerning Mexican-Americans. The student will have the opportunity to study contemporary Mexican-American literature. The course will also provide a close examination of problems facing Hispanics in Idaho through the use of community scholars who are working to improve Mexican-American/Anglo relations.

SO 340 SOCIOLOGY OF THE FAMILY (3-0-3) (F/S). An analysis of courtship, marriage, kinship, and family patterns in the United States and selected societies. Theories and facts about the relationships of these patterns to the larger society. PREREQ: SO 101 and upper-division status.

SO 351 SOCIAL INSTITUTIONS (3-0-3) (F) (Alternate years). Comparative analysis of the ways societies organize behavior around those values deemed necessary for survival, including family, religion, economy, government, etc. PREREQ: SO 101 and upper-division standing.

SO 361 SOCIOLOGY OF WORK (3-0-3) (F/S) (Alternate even years). The social organization of work is examined in historical and contemporary perspectives. PREREQ: SO 101, upper-division standing.

SO 362 (CR 362) CONTEMPORARY CORRECTIONAL THEORY AND PRACTICE (3-0-3) (F). (Cross listed CR 362.) Historical development, processes, and methods of operating the adult correctional system. Philosophy and development of treatment strategies to local, state, and federal correctional institutions. This course may be taken for SO or CR credit, but not both.

SO 370 SOCIOLOGY OF LAW (3-0-3) (S) (Alternate years). Law enactment, enforcement, and adjudication are studied as social acts with social consequences. Theories and practices of legal action are reviewed as emerging from and impacting on the social structure. PREREQ: SO 101 and upper-division standing.

SO 371 SOCIAL PSYCHOLOGY OF SEX ROLES (3-0-3) (S). This course examines sex roles in our own society. Attention will be given to the development of identity and roles, the social utility and rigidity of sex roles, the implications of sex roles for institutional policy and the effect of such policy on cultural change. This course may be taken for psychology or sociology credit, but not for both. PREREQ: P 101 or SO 101 and upper-division status.

SO 380 POLITICAL SOCIOLOGY (3-0-3) (F) (Alternate years). A survey of research literature and theory in political sociology, including attitudes, values, power structure, parties, and political participation in the U.S. This course will examine the pluralistic nature of society from the sociological perspective. PREREQ: SO 101 and upper-division standing.

SO 390 CONFLICT MANAGEMENT (3-0-3) (F). Examination of the causes of conflict, conflict management theory, and conflict management techniques applied in interpersonal, intergroup, organizational, and community settings. Discussion and skill development through experiential learning will focus on such conflict management techniques as interpersonal management, mediation, arbitration, negotiation, and reconciliation. Students may not receive credit for both SO 390 and CM 390. PREREQ: SO 101 or CM 111.

SO 395 THE SOCIOLOGY OF PEACE AND WAR (3-0-3) (S). This course will focus on resolving violent conflicts between nations. It will survey the interpretations of sociologists and others in two basic areas: 1) the relationship between the enabling institutions of war and the nature and evolution of modern societies, and 2) emergent proscriptions, strategies, and social movements which involve actions, attitudes, and way of life directed towards creating a more peaceful future. PREREQ: SO 290 and upper-division standing.

SO 400 SOCIOLOGICAL THEORY (3-0-3) (F/S). In-depth examination of social theory from the Enlightenment to the present, which may have relevance for contemporary thought, social research, and social practice. PREREQ: SO 101, SO 201 and upper-division standing.

SO 403 SOCIAL CHANGE (3-0-3) (F/S) (Alternate years). Social factors which generate innovation, influence its acceptance or rejection, and determine its effects on society. Planning, collective behavior, diffusion, conflict, and other efforts to create change. PREREQ: SO 101, upper-division standing.

SO 407 SOCIOLOGY OF RELIGION (3-0-3) (F/S) (Alternate years). Social science perspectives on religion. Religion viewed as human activity influencing and being influenced by social organization and social conditions.

SO 410-410G ADVANCED SOCIAL STATISTICS (3-0-3) (S). The methods of nonparametric statistics in the analysis of sociological data are examined in depth with application to research. PREREQ: SO 101 and SO 310 or equivalents as determined by consultation with department chair.

SO 412-412G QUALITATIVE SOCIAL RESEARCH METHODS (3-0-3) (F). An intensive course in interpretive social science, covering the practice of fieldwork ethnography, the use of computers in qualitative research, techniques of qualitative data analysis, and the writing of qualitative research reports. PREREQ: SO 101 and one of the following: CM 302, CR 426, HY 210, P 295, PO 298, SO 310, SW 380.

SO 415 JUVENILE DELINQUENCY (3-0-3) (S). Social causes of juvenile delinquency. Solutions that are discussed arise from theories which suggest changing society more than the individual delinquent. Positive and negative activities of the juvenile justice system are also reviewed. PREREQ: SO 101, upper-division standing.

SO 417 CRIMINOLOGY (3-0-3) (F). An examination of the social and intellectual heritage of criminological theory. The student is challenged to understand crime as a sociological problem which is "explained" by theories that can be tested scientifically and evaluated critically. PREREQ: SO 101 and upper-division standing.

SO 421 SOCIAL INEQUALITY (3-0-3) (S) (Alternate years). How inequalities of wealth, income, and prestige occur. How such inequalities affect behavior, personal philosophy, and life chances. Arguments for and against more equality will be examined in

relation to issues such as: constraint and mobility; education and opportunity; consumerism and poverty; public policy and the politics of wealth and welfare. PREREQ: SO 101 and upper-division standing.

SO 431 SOCIAL PSYCHOLOGY (3-0-3) (S). The primary focus is the individual; the unit of analysis, the interpersonal behavior event. A study of individual motives, emotions, attitudes, and cognitions with reference to interactions with other human beings. This course may be taken for either psychology or sociology credit, but not for both. PREREQ: SO 101, P 101 and upper-division standing.

SO 435-435G DRUGS IN SOCIETAL CONTEXT (3-0-3) (F/S). This class applies the sociological perspective on social problems to drug use. It examines how different social groups use drugs, attempt to control and prohibit the use of drugs, and the societal effects of using and controlling the use of drugs.

SO 471 FEMINIST SOCIOLOGICAL THEORY (3-0-3) (F/S). An examination of the major types of feminist theory in sociology, or theory directly useful to sociologists in search of understanding and explaining gender relations. The student will encounter new perspectives in sociology that arise from the exchange of new ideas, new data, exciting possibilities for social change, and the emergence of new theoretical models to understand gender relations. PREREQ: Upper-division standing.

SO 481 SOCIOLOGY OF GENDER AND AGING (3-0-3) (F/S). A sociological examination of the myths and stereotypes that impact men and women as they age. The course will explore research efforts focused on aging in a gendered society and examine the myths and stereotypes; seek to discover the source of cultural beliefs, social structures of gendered identities, and how gender stratification creates disadvantage for older men and women. PREREQ: SO 101 and upper-division standing.

SO 487 ORGANIZATIONAL THEORY AND BUREAUCRATIC STRUCTURE (3-0-3) (F/S). An examination of complex formal organizations, bureaucracy and human interaction, theory, research, and findings are covered. May be taken for sociology or political science credit (PO 487), but not for both. PREREQ: Senior standing, PERM/INST.

SO 490 SENIOR PRACTICUM (V-V-3) (F/S). A capstone course where senior sociology majors complete experiential learning at sites selected in consultation with advisor and/or internship coordinator. Students meet weekly with internship coordinator or designee to discuss academic relatedness and progress of experiential learning. PREREQ: Senior sociology major with a minimum cumulative GPA of 2.5.

SO 493 INTERNSHIP (V-V-V) (F/S). Upper-division students may select an internship program in consultation with department faculty and internship coordinator. The intent of the internship is to provide an experiential learning experience for students in a variety of settings in the community or on campus. PREREQ: upper-division standing and a cumulative GPA of 2.5 or better.

SO 498 SOCIOLOGY SEMINAR (3-0-3) (S). Intensive study of selected problems in sociology. PREREQ: Senior standing in sociology major.

SO 499 SENIOR SEMINAR IN MEXICAN-AMERICAN STUDIES (3-0-3) (F/S). As the culminating course for the Mexican-American Studies minor students will examine advanced theoretical and research issues concerning Mexican-Americans in a seminar setting. One objective will be for students to utilize their previous course work in the minor to enable them to read specialized studies in specific topics and case studies such as the dropout problem facing Mexican-American students; the role of fundamentalist religions in the Mexican-American community; and employment patterns of Mexican-Americans. The primary objective of the readings and class discussions will be to integrate the diverse course materials from the previous required classes in this minor.

SS SOCIAL SCIENCE

Upper Division

SS 498 SEMINAR: SOCIAL SCIENCES AND PUBLIC AFFAIRS (3-0-3) (S). An intensive seminar focusing on selected topics from theory and research, which bear on the contributions of the social sciences to public affairs.

Spanish — see Department of Modern Languages

Special Education - see Teacher Education

Teacher Education, Department of Elementary Education and Specialized Studies

Education Building, Room 504 Telephone 208 385-3602
http://coehp.idbsu.edu/fachtmls/wwaite/eesshp.html Fax 208 385-4006
e-mail: lblack@bsu.idbsu.edu

Chair and Professor: Wenden Waite. *Professors:* Bauwens, French, Fuhriman, Hayes, Hourcade, Lambert, Sadler, Stewart, Young. *Associate Professors:* Bahruth, Lindsey, Singletary. *Assistant Professors:* Altieri, Barrera, Kyle, Miller, Mulhern, Steiner. *Special Lecturer:* Byers.

Degrees Offered

- B.A. in Elementary Education
- B.A. in Elementary Education, Bilingual-Multicultural

  Endorsements

  Elementary Education (1-8)
  Elementary Education (K-8 with Early Childhood Endorsement)
  Elementary Education (1-8 with Special Education Endorsement)
  Elementary Education (1-8 with Early Childhood Special Education Endorsement)
  Elementary Education (1-8 with Reading Endorsement)
- M.A. and M. S. in Education, with emphases in Curriculum and Instruction; Early Childhood; Reading and Special Education. (See the *BSU Graduate Catalog.*)
- Doctorate in Curriculum and Instruction (See the *BSU Graduate Catalog* .)

Department Statement

Reflective teachers adjust their teaching approaches to the needs and backgrounds of their students. The degree programs in elementary education are designed to assist students in developing the knowledge, skills, values, and dispositions essential for success in teaching. The programs are based on two assumptions: that successful teachers are committed to the acquisition and continuous renewal of knowledge in the substantive areas that they teach, and that they are also committed to the development of pedagogy conducive to a high level of achievement for all students. Therefore, course work combines content knowledge with the study of curriculum and methodology. Theories of learning and human development are examined so that students who complete the program will be able to make effective instructional decisions.

Preparing potential teachers so they possess these skills requires course work and pre-service experiences that acquaint them with the rich diversity of backgrounds they will find in their classrooms. The program intends to develop dispositions to accept the challenge of teaching all students, regardless of background or learning ability.

The elementary education program develops values aimed at a healthy American society within a world community. Exemplary teachers accept the importance of educating a citizenry who will contribute to society as caring, responsible, and thoughtful citizens.

In addition to pre-service and graduate education programs, the department also serves teachers and local school districts through cooperatively developed in-service education programs. The department supports appropriate change efforts and provides assistance to school districts, government agencies, and the private sector. Applied research in education by faculty members is encouraged and supported.

Finally, the department serves as a resource for instructional improvement for the university community and offers courses that help students meet the demands of university study.

Admission Requirements

Admission to Elementary Teacher Education Students preparing to become elementary school teachers must be accepted for admission to elementary teacher education. **Admission to elementary teacher education is required before a student may enroll in upper-division teacher education courses, and all admission requirements must be completed before admission will be granted.** Applications are made through the Teacher Education Advising Office in Room E-206.

Admission Schedules Application for admission to elementary teacher education is limited to two specific times each year. **Completed applications must be filed by October 10 or March 10 of the semester during which the admission requirements are being completed.** Applications received after those dates will be processed during the following semester.

Students who have already earned a B.A. or B.S. degree are granted provisional admission to elementary teacher education during their first semester at BSU. During this semester, they must complete all requirements for regular admission to elementary teacher education. These requirements include all of the professional and academic requirements described below, including the Teacher Education Writing Assessment and the Basic Mathematics Skills Test. Students who fail to satisfy any of these requirements during the first semester at BSU will be denied regular admission to elementary teacher education.

Limitations to Admission Because of the large number of students seeking admission to elementary teacher education, not all applicants can be admitted. Each academic year, a target number of applicants is established and applicants are accepted until that number is reached. Priority is given to those with the highest academic grade point average and to those specialty areas that have been identified as shortage areas in Idaho. (Shortage areas may change over time.) Consideration is also given to unusually strong candidates who do not meet the GPA requirements.

Screening of applicants and implementation of admission policy is the responsibility of the Teacher Education Professional Standards Committee and the Teacher Education Advising Office.

Admission Requirements Requirements for admission to elementary teacher education shall be determined and implemented by the elementary teacher education faculty and administered by the Teacher Education Advising Office. **Students are not to apply for admission to elementary teacher education until they have completed all the requirements for admission.** It is the responsibility of the student to provide the Teacher Education Advising Office with transcripts and other documentation to show that those requirements have been met. The requirements are as follows:

- **Professional Standards** In order to be admitted to elementary teacher education and to continue taking teacher education courses, each student must be reviewed and approved by the Teacher Educational Professional Standards Committee, and must maintain that approval throughout the program. Committee approval is based not only on the student's academic record, but also on the judgment of faculty members regarding the student's skills, behavioral characteristics, and temperament necessary for success as a teacher. A further description and discussion of these traits can be found in the *Advising Handbook of Elementary Education* and in the *Code of Ethics of the Idaho Teaching Profession*. The collection and assessment of this information from faculty members and others is an ongoing activity that begins when the student first enters BSU and continues throughout the student's participation in the elementary teacher education program.

  The Professional Standards Committee may exclude from further teacher education coursework any student identified as lacking the personal or professional skills, characteristics, or temperament necessary for success as a teacher. A student thus excluded is entitled to due process through normal appeals procedures, as described in the *Boise State University Student Handbook*.

- **Professional Documentation** In addition to the completed admission form, the applicant must provide evidence of suitability to work in a school setting. This evidence should include the following:

  1. Written evidence of work with children or young people in a formal setting.
  2. A written narrative describing the significance of this experience in relation to the applicant's professional goals.
  3. Any documentation required by the school district in which the student may be placed.

  Applicants are encouraged also to submit letters of recommendation from professionals familiar with their work with children or young people.

- **Academic Standards** The following academic standards are required for admission to elementary teacher education:

  1. **English Composition** six credits of English composition must be completed with a minimum grade of C in each course. (Students who score in the 80th percentile or above on the ACT or SAT may be exempted from E 101, but E 102 is still required.)
  2. **Mathematics and Science.** Students must complete M 103 and at least one 4-credit laboratory science course with a minimum grade of C in each course. M 103 cannot be taken by correspondence.
  3. **Area I and Area II Core Courses.** Students must complete at least six credits in Area I and six credits in Area II, with a minimum grade of C in each course and an average GPA of 2.5 or higher in these courses.
  4. **Teacher Education Pre-Professional Courses.** Elementary education students must complete TE 071 and TE 271 with a grade of P. They must also complete TE 201 and one additional 3-credit teacher education course with a minimum grade of C in each course and an average GPA of at least 2.5 for all teacher education courses.
  5. **Teacher Education Writing Assessment.** Students must pass the Teacher Education Writing Assessment administered by the College of Education. The examination may be retaken upon remediation but may be retaken no more than two additional times.
  6. **Basic Mathematics Skills Test (for elementary education students, elementary education students seeking related endorsements, and secondary students seeking a special education endorsement).** Students in all areas of elementary education, as well as secondary education students seeking endorsements in special education, must earn a passing score on the basic mathematics skills test administered by the department. The test should be completed during the first semester of enrollment at BSU. It may be retaken after remediation but may not be retaken more than two additional times. (This test is not the same as the Mathematics Placement Examination given by the department of mathematics).

NOTE: Any exceptions to the preceding policy must be approved by the department chair.

Admission to Student Teaching in Elementary Education

Students seeking a student teaching assignment must file an application with the Office of Field Experience, Education Building, Room 306.

Students wishing to withdraw their application must give six weeks notice prior to the beginning date of their student teaching assignment.

The Office of Field Experiences is responsible for making all student teaching assignments.

When applying for student teaching, students should also apply for graduation at the Registrar's Office.

The following requirements also apply to all elementary education majors, including those seeking special education and early childhood endorsements and those seeking the elementary education bilingual-multicultural degree.

Deadlines Elementary education majors must apply for student teaching approximately one year in advance of their student teaching assignment. At the same time, they must also apply for admission into elementary curriculum and instruction courses (TE 406, TE 412, TE 417, TE 418, and TE 419).

The deadline date is October 1 for applicants planning to enroll in elementary curriculum and instruction courses during the spring semester and in student teaching during the following fall semester. The deadline date is March 1 for applicants planning to enroll in elementary curriculum and instruction courses during the fall semester and in student teaching during the following spring semester.

Additional Requirements To be admitted to the elementary curriculum and instruction courses, students must have completed all prerequisite courses.

In addition, admission to student teaching in elementary education requires the following:

1. Senior standing.
2. Completion of all professional education courses.
3. Recommendation of the faculty advisor.
4. A cumulative grade point average of at least 3.0 in all teacher education courses and an overall grade point average of at least 2.75 in all courses. Students must receive a minimum grade of C in M 103 and M 104.
5. Final review and approval of the Teacher Education Professional Standards Committee.

Special Information on Student Teaching in Elementary Education

1. Students who transfer to Boise State University must meet requirements for admission to teacher education and student teaching and complete at least 6 semester hours at the university before being placed in student teaching.
2. Prior to student teaching, all students must successfully complete a microteaching experience in TE 406, 417, 418, or 419.
3. During student teaching, students are expected to do responsible teaching, participate in co-curricular activities, maintain close contact with faculty and students in the public schools, and participate in seminars and conferences with their university supervisors.
4. Any student may be dismissed from a program leading to certification if he or she is found guilty of any offense which would be grounds for revocation or denial of an Idaho teaching certificate, including conviction in a court of law of an offense other than a minor traffic violation. Questions regarding this policy should be addressed either to the coordinator of field experiences (Education Building, Room 306) or the dean of the College of Education (Education Building, Room 705).
5. Student teaching can be taken only once.

Placement Service

A teacher placement service is provided by the Boise State University Career Center. Check with the director regarding eligibility to use this service and procedures for doing so.

Degree Requirements

Elementary Education
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition NOTE: Students not required to take E 101 must complete an additional 3 credits of English. For certification purposes, elementary education majors must complete a total of 12 hours of English, including both composition and literature.	6
Area I — see page 41 for list of approved courses	
E 271 or 272 Survey of American Literature	3
Area I core course in a second field of art or music AR 201, 202 Survey of Western Art; AR 103 Introduction to Art; AR 105 Basic Design; MU 133 Introduction to Music; MU 143 Survey of Western Art Music.	3
Area I core course in third field	3
Area I core course in literature Recommended: E 215 Far Eastern Literature in Translation; E 230/235 Western World Literature; E 240 Survey of British Literature to 1790; E 260 Survey of British Literature: 1790 to Present.	3
Area II — see page 41 for list of approved courses	
HY 151/251, 152/252 United States History	3
P 101 General Psychology	3
PO 101 American National Government **OR** SO 101 Introduction to Sociology	3
Area II core course in cultural diversity Chosen from AN 102 Cultural Anthropology; SO 230 Introduction to Multiethnic Studies; GG 102 Cultural Geography; HY 105 Eastern Civilizations.	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field NOTE: Elementary education majors must have courses in at least two of the following disciplines: biological science, earth science, or physical science.	4
AR 321 Elementary School Art Methods Highly recommended, but not required	3
GG 210 Survey of World Regional Geography	3
M 103 Structure of Arithmetic for Teachers	4
M 104 Geometry and Probability For Teachers	4
MU 201 Music Fundamentals	2
MU 371 Music Methods for the Elementary School Teacher	2
P 211 Child Psychology	3
PE 362 Elementary School Health and PE Curriculum and Instruction	4
TE 071 Career Orientation for Elementary Education	0
TE 201 Foundations of Education	3
TE 208 Educational Technology – Classroom Applications **OR** TE 340 Technology in Special Education	3
TE 225 Educational Psychology	3
TE 271 Field Experience Elementary Tutoring	2
TE 291 Education of the Exceptional Child	3
TE 304 Integrated Language Arts	3
TE 305 Teaching Development Literacy-Grades K-8 **OR** TE 431 Teaching Reading and Written Expression to Students with Disabilities	3
TE 316 Children's Literature	3
TE 361 Child Behavior and Guidance in Early Childhood **OR** TE 450 Behavior Intervention **OR** TE 457 Classroom Management Skills	3
TE 372 Teaching in the Culturally Diverse Classroom	3
TE 373 Practicum: At-Risk Children in the Community	1
TE 406 Developing Content Area Literacy-Grades K-8	3
*TE 412 Senior Practicum	1
TE 417 Elementary Social Studies Curriculum and Instruction	3

— continued —

Elementary Education (continued)	
TE 418 Elementary Mathematics Curriculum and Instruction TE 419 Elementary Science Curriculum and Instruction TE 470, TE 471, TE 472, TE 473, TE 476, TE 477 **OR** TE 478 Student Teaching *Students seeking special education or other endorsements who complete the curriculum and instruction courses over more than one semester will take TE 412 during the semester immediately prior to student teaching.	3 3 16
Upper-division American government Chosen from PO 301 American Political Parties and Interest Groups; PO 302 Pub Opinion and Voting Behavior; PO 308 Urban Politics; PO 309 American Chief Executive; PO 312 Legislative Behavior; PO 320 American Policy Process; PO 331 American Political Theory; PO 351 Constitutional Law; PO 381 American Political Economy.	3
Upper-division cultural diversity Chosen from AN 311 Peoples and Cultures of the World; AN 315 Indian Peoples of Idaho; E 391 North American Indian Folklore and Literature; SO 305 Racial and Cultural Minorities; SO 340 Sociology of the Family; SO 351 Social Institutions.	3
Total	129

Programs and Endorsements
Elementary Education Major (Grades 1-8)

The program of studies listed above is the curriculum for the B.A. degree in elementary education. It prepares students to teach in grades 1-8. The endorsements within the B.A. degree in elementary education are based on the program but require additional course work and permit certain substitutions of alternate courses.

Elementary Education Bilingual/Multicultural Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
E 271 or 272 Survey of American Literature S 201-202 Intermediate Spanish **OR** S 203 Spanish for the Native or Near-Native Speaker (S 203 is not an Area I core course.)	3 8
Area II — see page 41 for list of approved courses	
AN 102 Cultural Anthropology HY 151 or 152 U. S. History P 101 General Psychology SO 230 Introduction to Multiethnic Studies	3 3 3 3
Area III — see page 41 for list of approved courses	
B 100 Concepts of Biology Area III core course in a second field (Must be physical or earth science course. GO 100 or PS 100 is recommended) Area III core course in a third field	4 4 4
AR 321 Elementary School Art Methods	3
LI 305 Introduction to Language Studies	3
M 103 Structure of Arithmetic for Teachers M 104 Geometry and Probability for Teachers	4 4
MU 371 Music Methods for Elementary School Teacher	2
P 211 Child Psychology	3
PE 361 Elementary School P E Methods	3
S 303-304 Advanced Spanish Conversation and Composition	6
TE 071 Career Orientation for Elementary Education TE 201 Foundations of Education TE 202 Foundations of Teaching Bilingual Education/ESL TE 271 Field Experience Elementary Tutoring TE/SO 278 Mexican-American Tradition and Culture TE 304 Integrated Language Arts TE 305 Teaching Developmental Literacy Grades K-8	0 3 3 2 3 3 3

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Elementary Education Bilingual/Multicultural (continued)	
TE 316 Childrens' Literature TE 322 Identification and Diagnosis of LEP Students TE 383 Secondary Foreign Language Methods TE 406 Developing Content Area Literacy Grades K-8 TE 417 Elementary Social Studies Curriculum and Instruction TE 418 Elementary Mathematics Curriculum and Instruction TE 419 Elementary Science Curriculum and Instruction TE 453 Teaching Reading & Lang. Arts in Bilingual/ESL Classroom TE 456 Methods of Teaching English as a Second Language TE 472 Elementary School Student Teaching Intermediate TE 474 Elementary Student Teaching Elementary Bilingual Classroom TE 474 Elementary Student Teaching Elementary Bilingual Classroom	3 2 3 3 3 3 3 3 3 8 8 8
Electives to total 140 credits	11
Total	140

NOTE: Because of the need for future teachers to teach in both bilingual and nonbilingual classrooms, it is recommended that elective classes students select from the following list:
AN 311 Peoples and Cultures of the World, AN 315 Indian People of Idaho, CM 351 Intercultural Communications, E 213 Afro-American Literature, E 219 North American Indian, Folklore, E 390 Folklore, E 384 Literature of the American West, HY 261 History of Multicultural America, HY 356 Indians in American History, HY 365 History of Mexico, PO 101 American National Government, S 203 Spanish for the Native or Near-Native Speaker, S 385 Mexican-American Culture and Civilization, S 425 Mexican-American Literature, SO 305 Racial and Cultural Minorities, TE 208 Educational Technology - Classroom Applications, TE 225 Educational Psychology, TE 291 Education of the Exceptional Child, TE 358 Corrective Reading
NOTE: Completion of this degree as outlined in this catalog qualifies the student to receive a Standard Elementary Teaching Certificate from the State of Idaho endorsed for Spanish K-12, thus enabling him or her to teach in a regular or bilingual elementary classroom and to teach Spanish K-12.

Subject Area Endorsements

Students majoring in elementary education should select a subject area endorsement, which will strengthen them as teachers and may improve their employability. Students may select from the list below and become qualified to teach in the selected area in junior high/middle school, including ninth grade.

Subject area endorsements listed below are cited from the *Idaho Department of Education Professional School Personnel Certification Standards, revised July 1, 1996* , and are listed under "Standards for Subject Area Endorsements on Standard/Advanced Secondary Certificates," from page 22 through page 27. Only those available at BSU are included, and a minimum of 20 semester credit hours is required for each.
NOTE: Suggested lists of courses for each subject area endorsement are available from the Teacher Education Advising Office.

American Government — No fewer than six semester credit hours in American government, six semester credit hours in American history, and three semester credit hours in comparative government. The remaining work is to be history or political science.

Arts and Crafts — Credits to include work in four of the following areas: woodworking, drafting, ceramics, leather work, plastics, graphic arts, and art metal.

Consumer Economics — Requires an endorsement in social studies, home economics, business education, agriculture, basic business, or marketing and have no fewer than nine semester hours (including six semester credit hours in economics and three semester credit hours in a course designed for the average consumer).

Drama — No fewer than sixteen semester credit hours in drama. The remainder to be in speech, or hold an English endorsement with at least six semester credit hours in drama.

English — Credits to include at least six semester credits of composition, including course credit in advanced composition, three semester credits of English literature, three semester credits in American literature, and a course in writing methods for teachers. The remainder must be English credit courses such as linguistics, grammar, modern literature, classical literature, creative writing, advanced writing, mythology or folklore. In compliance with the above, at least 20 semester credit hours must be taken in the English department for an English minor endorsement.

Foreign Languages — Credits must be in the language in which the endorsement is sought, at the 200-level or above.

Health Education — Credits distributed to include course work in health instructional areas, science applicable to health education, organization and administration of health education and methodology.

History — No fewer than nine semester credits in U.S. history and no fewer than three semester credits in American government. The remaining work is to be in history and political science.

Journalism — No fewer than 16 semester credits in journalism. The remainder, if any, to be in English, or hold an English endorsement with at least six semester credits in journalism.

Mathematics — There are two levels of mathematics endorsement.

Basic Mathematics (limited to teaching up to and through the level of algebra I): Credits in mathematics to include college credits in algebra, geometry and trigonometry.

Standard Mathematics (may teach any math course in grades 6-12): Credits in mathematics to include course work in calculus and analytical geometry. The remainder may be selected from courses such as abstract algebra or linear algebra, probability, and statistics and geometry.

Music — Credits to include course work in theory and harmony, applied music (voice, piano, organ, band and orchestra instruments), history and appreciation, conducting, and music methods and materials.

Physical Education — Credits distributed to include course work in movement skills, science applicable to physical education, organization and administration of physical education, health education, physical education methodology and evaluation.

Biological Science — Credits distributed in the areas of botany and zoology, including at least six semester credit hours in each. Some work in physiology is recommended.

Physical Science — Twenty semester credit hours to include at least eight semester credits in chemistry and eight semester credits in physics.

Natural Science — Credits to include no fewer than six semester credits in biological science, six semester credits in physical science, and six semester credits in earth science. The remainder shall be selected from any of the natural science areas.

Reading — Twenty semester credits to include a minimum of 15 semester credits in reading with course work in each of the following areas: foundations of/or developmental reading, content area reading, corrective/diagnostic/remedial reading, psycholinguistics/language development and reading, literature for children or adolescents. The remainder may be taken from related areas.

Social Studies — Credits to include no fewer than six semester credits in U.S. History and no fewer than three semester credit hours in American government. In addition, work in at least four of the following fields to be represented: world history, geography, sociology, economics, anthropology, and political science.

Speech — No fewer than 20 semester credits to include methods of teaching speech communication and course work in at least four of the following fields: interpersonal communication/human relations, public speaking, nonverbal communication, group communication, argumentation/persuasion, and drama/theatre arts or hold an English endorsement with at least 12 semester credit in speech communication, with course work to include methods of teaching speech communication, public speaking, and interpersonal communication/human relations.

Speech-Drama — Credits distributed in both fields with no fewer than six semester credit hours in each.

In addition to the above, student may select from the following:

Special Education All students seeking a special education endorsement, including students who already possess an elementary or secondary teaching certificate, must meet the department of teacher education admission requirements. Students desiring to teach students with disabilities may enroll in one of the following endorsement areas and upon successful completion may be recommended for Idaho certification. This program has been designed so students may pursue a dual emphasis leading to certification in elementary or secondary education with an endorsement in special education. In order to avoid conflicts, students should begin planning early in their program by consulting with their advisors and a member of the special education faculty. Several courses in the required program are applicable to both the special education and the elementary emphasis. All students seeking certification in special education must complete the initial program for the generalist endorsement prior to seeking the severe disabilities endorsement. A minimum of a 30-credit program in special education is required to meet the standards for the Idaho Exceptional Child certificate.

Grades K-12 With Special Education Endorsement (Generalist – Mild Disabilities)

Upon completion of this program, students are recommended for an endorsement to teach students with mild and moderate disabilities. Emphasis will be on the training of the resource teacher working with students with learning disabilities, mild/moderate mental retardation, and emotional disturbances.

Grades K-12 with Special Education Endorsement (Generalist)

Course Number and Title	Credits
TE 291 Education of the Exceptional Child	3
TE 330 Assessment Procedures in Special Education	3
TE 334 Teaching in Special Education	3
TE 340 Technology in Special Education (sub for TE 208)	3
TE 431 Teaching Reading and Written Expression to Students with Disabilities (sub for TE 305)	3
TE 432 Teaching Math and Language to Students with Disabities	3
TE 435 Teaching Adolescents with Mild Disabilities	3
TE 450-450G Behavior Intervention Techniques (sub for TE 457)	3
TE 473 Special Education Student Teaching – Students with Mild Handicaps	8
Total	32

NOTE: This endorsement contains 32 credits of special education courses. Of these credits, 20 apply directly to B.A. requirements. In addition, in their Elementary Education program, students should make the following approved substitutions: TE 340, TE 431, TE 450, and TE 473.

Severe Disabilities Endorsement

A student desiring an endorsement to teach students with severe disabilities must, in addition to completing the above requirements, complete a minimum of the following courses.

Severe Disabilities

Course Number and Title	Credits
TE 423 Teaching Students with Moderate and Severe Disabilities	3
TE 476 Special Education Student Teaching Students with Severe Handicaps	8

NOTE: In order for a student to complete all of the course work, an extra semester may be required. There are many electives available to strengthen the basic requirements. Students should seek advise from the special education faculty to establish a program.

Early Childhood Special Education (ECSE) Endorsement

This program is designed to provide an endorsement under special education. Students planning to teach pre-school children with disabilities will be recommended for the endorsement upon completion of the program. The program is designed to provide the student with entry-level skills necessary to teach in early childhood special education settings. This program includes 26 semester hours of course work that will provide students with a wide range of both theoretical and practical experiences.

Early Childhood Special Education (ECSE) Endorsement	
Course Number and Title	**Credits**
TE 291 Education of the Exceptional Child	3
TE 361 Child Behavior and Guidance in Early Childhood	3
TE 445 Assessment and Program Planning in Early Childhood Special Education	3
TE 446 Methods and Curriculum Early Childhood Special Education	3
TE 447 Early Language Assessment and Intervention	3
TE 450-450G Behavior Intervention	3
TE 478 Student Teaching in Early Childhood Special Education	8
Total	26
NOTE: Recommended Elective: TE 362 Curriculum and Program Planning in ECE.	

Early Childhood Education (ECE) Endorsement This program is designed to provide more specialized course work for students to teach in preschool, kindergarten, and primary grade settings. The 31-hour course of studies culminates in an Early Childhood Education Endorsement that may be attached to either a K-3 or K-8 certificate. Thirteen of the credit hours apply directly to the B.A. requirements.

Early Childhood Education (ECE) Endorsement	
Course Number and Title	**Credits**
TE 261 Foundations of Early Childhood Education	3
TE 293 & TE 493 Internship in Early Childhood Educ (sub for TE 271)	2
TE 361 Child Behav and Guide in Early Childh Educ (sub for TE 457)	3
TE 362 Curriculum and Program Planning in ECE	3
TE 445 Assessment and Program Planning in ECSE	3
TE 460 Family and Community Relations	3
TE 463-463G Infant Education	3
TE 465 Creating Materials in Early Childhood Education	3
TE 470/471 Elem School Student Teach-Preschool/ Kindergarten/Primary	8
Total	31
NOTES: Two blocks of student teaching are required (16 credits) for either the K-3 or K-8 certificate. The K-3 certificate requires TE 470 and TE 471; the K-8 certificate, TE 471 and TE 472. Upper-division American government (3 credits) is waived for students completing this endorsement. All students who teach in kindergarten and want to be recommended for the K on the 1-8 certificate must complete 10 ECE course credits: TE 361, TE 362, TE 493, and 1 ECE elective.	

Child Development Associate (CDA) Program The Child Development Associate Program is a nationally recognized credential for teachers of young children working in Head Start and child care homes and centers. The specialized area of Early Childhood Education coordinates acceptance of credits from the Child Development Associate Program. To be eligible to register for the courses listed below, a student must meet university admissions requirements and be enrolled in the CDA Program on campus.

Child Development Associate (CDA) Program	
Course Number and Title	**Credits**
TE 161 CDA: Planning a Safe, Healthy Environment	1
TE 162 CDA: Steps to Adv Children's Phys & Intel Competence	3
TE 163 CDA: Positive Ways to Support Child Soc & Emot Develop	3
TE 164 CDA: Strategies to Establish Productive Relation with Fam	1
TE 165 CDA: Strategies to Manage an Effective Program	1
TE 166 CDA: Maintaining a Commitment to Professionalism	1
TE 167 CDA: Observing and Recording Children's Behavior	1
TE 168 CDA: Principles of Child Growth and Development	1
Total	12

Certification Requirements for Elementary Education

Students from Boise State University are recommended for an elementary teaching certificate to the State Department of Education after meeting the following requirements:

1. Completion of the bachelor of arts degree in elementary education or the bachelor of arts degree in bilingual/multicultural education.
2. A satisfactory experience in student teaching (as determined by the department of elementary education and specialized studies).
3. A recommendation by the dean of the College of Education indicating that the candidate has the approval of the department of elementary education and specialized studies. Such approval is to be based primarily on evidence of knowledge of subject matter taught, demonstrated teaching techniques, and ability and aptitude to work with students and adults.
4. Students with previously earned degrees may develop individual programs approved by the department of elementary education and specialized studies. The programs may include graduate courses applicable to a master's degree. For more information, contact the coordinator of field services or the associate dean.

Teacher Education, Department of Foundations, Technology and Secondary Education

Education Building, Room 223 Telephone 208 385-1672
http://coehp.idbsu.edu/coe.html Fax 208 385-4006
e-mail: awitter@bsu.idbsu.edu

Chair and Associate Professor: Holly Anderson. *Professors:* Friedli, Jensen, Lyons, Parrett. *Associate Professors:* Armstrong, Christensen, Pearson, Pollard, Thorsen. *Assistant Professors:* Dubert, Rogien, Siegle, Wayne. *Professional Staff:* Gilson, Raleigh, Smith.

Degrees Offered

- M.A. and M.S. in education with emphases in art, curriculum and instruction, earth sciences, educational technology, and mathematics. (See the *BSU Graduate Catalog* .)
- Doctor of Education in curriculum and instruction (See the *BSU Graduate Catalog* .)
- Secondary Education Professional Courses for Teacher Certification in Grades 6-12

Undergraduate students seeking secondary certification must complete a bachelor's degree within the university department offering the content courses in their chosen subject area. Professional course work for the secondary education option is taken in the department of foundations, technology, and secondary education.

Students seeking secondary certification who already hold a B.A. or B.S. degree must apply to the BSU Graduate Admissions Office. The Graduate Admissions Office will notify the applicant when to contact the department of foundations, technology, and secondary education. Academic advising and program coordination for post-B.A./B.S. Teacher Education applicants is conducted by the department of foundations, technology, and secondary education.

Students with previously earned degrees may develop individualized programs with the approval of the department of foundations, technology, and secondary education. The programs may include graduate courses applicable to a master's degree. For more information, contact the Teacher Education Advising Office.

Department Statement

Reflective teachers adjust their teaching approaches and learning environment to the needs and backgrounds of their students. The programs in teacher education are designed to assist students in developing the knowledge, skills, values, and dispositions essential for success in teaching. The programs are based on two assumptions: that successful teachers are committed to acquisition of and continuous renewal of knowledge in the substantive areas they teach, and that they are also committed to development of pedagogy conducive to a high level of achievement for all students. Therefore, course work combines content knowledge with the study of curriculum and methodology. In addition, theories of learning and human development are examined so that teachers who complete this program will be able to make effective instructional decisions.

Preparing potential teachers so they possess these skills requires course work and experiences that acquaint them with the rich diversity they will find in their classrooms. Through this course work and these experiences, students develop dispositions to accept the challenge of teaching all students.

The programs in teacher education emphasize the development of values aimed at a healthy society within a global community. Exemplary teachers accept the importance of educating a citizenry who will contribute to society as caring, responsible, and thoughtful citizens.

Admission to Secondary Teacher Education

Students preparing to become secondary school teachers must apply and be accepted for admission to secondary teacher education. **Admission to secondary teacher education is required before a student may enroll in upper-division teacher education courses, and all admission requirements must be completed before admission will be granted.** Applications are made through the Teacher Education Advising Office in the Education Building, Room 206.

Admission Schedules Application for admission to secondary teacher education is limited to two specific times each year. **Completed applications must be filed within the first eight weeks of the semester during which the admission requirements are being completed.** Applications received after those dates will be processed during the following semester.

Students who have already earned a B.A. or B.S. degree are granted provisional admission to secondary teacher education during their first semester at BSU. During this semester, they must complete all requirements for regular admission to secondary teacher education. These requirements include all of the professional and academic requirements described below, including the Teacher Education Writing Assessment. Students who fail to satisfy any one of these requirements during the first semester at BSU will not be granted regular admission to secondary teacher education.

Admission Requirements Students preparing to become secondary school teachers must apply and be accepted for admission to secondary teacher education. **Admission to secondary teacher education is required before a student may enroll in upper-division teacher education courses, and all admission requirements must be completed before admission will be granted.** Admission is based on the Professional Standards and Academic Standards described below. Applications are made through the Teacher Education Advising Office in the Education Building, Room 206.

It is the responsibility of the individual student to provide the Teacher Education Advising Office with transcripts and other documentation to show that those requirements have been completed. Requirements for admission to secondary teacher education shall be determined and implemented by the Secondary Teacher Education faculty and administered by the Teacher Education Advising Office.

Professional Standards To be admitted to secondary teacher education, and to continue taking Teacher Education courses, each secondary education student must be reviewed and approved by the Teacher Education Professional Standards Committee, and must maintain that approval throughout the program. Committee approval is based not only on the student's academic record, but also on the judgment of faculty members regarding the student's skills, behavioral characteristics, and disposition necessary for success as a teacher. A further description and discussion of these traits may be found in the *Secondary Education Student Handbook* and in the *Code of Ethics of the Idaho Teaching Profession* . The collection and assessment of this information from faculty members and others is an ongoing activity that begins when the student first enters BSU and continues throughout the student's participation in a Teacher Education Program.

The Professional Standards Committee may exclude from further teacher education course work any student identified as lacking the personal or professional skills, characteristics, or disposition necessary for success as a teacher. A student thus excluded is entitled to due process through normal appeals procedures, as described in the *Boise State University Student Handbook*.

Professional Documentation In addition to completing the Admission to Secondary Education form, the applicant must provide evidence of suitability to work in a school setting. This evidence should include:

1. Written evidence of work with young people in an educational setting. Other relevant experiences may be accepted on a case-by-case basis.
2. A written narrative describing the significance of this experience in relation to the student's professional goals.
3. Any documentation required by the school district in which the student may be placed.

Applicants are also encouraged to submit letters of recommendation sent from professionals familiar with their work with young people.

Academic Standards The following academic standards are required for admission to secondary education:

1. A minimum cumulative grade point average of 2.5.
2. A minimum grade of C in TE 201 Foundations of Education or its equivalent.
3. A grade or Pass in TE 172 Introduction to Secondary Teaching: Classroom Observation, or its equivalent, and a recommendation from the secondary classroom teacher.
4. Successful completion of the Teacher Education Writing Assessment. This writing assessment is administered by the College of Education to determine the applicant's writing competence. The Teacher Education Writing Assessment may be taken after remediation, but no more than two additional times.
5. **For Those Seeking Endorsement in Special Education:** A passing score on a mathematics competency examination administered by the department of elementary education and specialized studies. This test should be taken soon after enrolling at Boise State University.

   The mathematics competency examination may be retaken after remediation, but no more than two additional times. (This is not the same exam as the mathematics placement exam given by the mathematics department.)

Certification Requirements and Endorsements for Secondary Education

Standards for the certification of teachers for the State of Idaho are listed in the *Idaho Department of Education Professional School Personnel Certification Standards, Revised July 1, 1994* , as prepared by the Idaho Department of Education. The following requirements are based on that document and other policies of the Idaho State Board of Education.

To be recommended to the State Department of Education for a secondary school teaching certificate, students from Boise State University must meet the following requirements:

1. Be of good moral character.
2. Have completed an appropriate baccalaureate degree.

3. Have satisfactorily completed teacher education requirements that include a minimum of 26 semester credit hours in the philosophical, psychological, methodological, and technological foundations of education, including at least 10 credit hours of student teaching.
4. Be recommended by the dean of the College of Education. This recommendation verifies that the candidate has been approved by his or her department of subject matter specialization and by the department of foundations, technology, and secondary education. Such approval is based on evidence of the student's knowledge of the subjects to be taught, of demonstrated teaching techniques, and of ability and aptitude to work with students and adults.

Following are the teacher education courses required by Boise State University:

	Credits
*TE 172 Intro to Secondary Teaching: Classroom Observation.	1
TE 201 Foundations of Education	3
*TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
**TE 333 Educating Exceptional Secondary Age Students	1
TE 381 Secondary School Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
Special methods required by major department	(varies by major)
***TE 482 Junior High Student Teaching: Dual Option	8
***TE 483 Senior High Student Teaching: Dual Option	8
***TE 484 Junior High Student Teaching: Single Option	10
***TE 485 Senior High Student Teaching: Single Option	10
Total (not including special methods)	27-33

*Required only if their content is not included in requirements of majors.
**It is highly recommended that students substitute TE 291 (3 credits) for this course.
**This requirement may be satisfied by either TE 484 or TE 485 (10 credits), or by a combination of TE 482 and TE 483 (16 credits).

Secondary Student Teaching

An Idaho Standard Secondary Certificate allows the holder to teach in grades 6 through 12. Both the single and dual alternatives lead to the same certificate.

Students choosing the single alternative may select either junior or senior high school for their student teaching. Normally, the request can be granted, and the student teacher will usually teach only in his or her major field. Students selecting the dual option alternative will be placed in a junior high school for approximately eight weeks and in a senior high school for the remaining eight weeks. Normally, students will teach in their major fields in one experience and in their minor fields in the other.

Admission to Student Teaching in Secondary Education An application for a specific student teaching assignment must be filed with the Office of the Coordinator of Field Experiences by the following dates:

1. March 1 for students desiring to student teach in the fall.
2. October 1 for students desiring to student teach in the spring.

Student teaching is scheduled through the Office of the Coordinator of Field Experiences, Education Building, Room 306, and application forms may be obtained from that office.

Students must give six weeks notice prior to the beginning date for student teaching if they wish to withdraw their application for student teaching. Students choosing to postpone student teaching must reapply.

General requirements for Admission to Student Teaching in Secondary Education include the following:

1. Admission to the secondary teacher education program.
2. Recommendation of the faculty advisor or the chair of the student's department.
3. Minimum cumulative grade point average of 2.5. (Students who have already earned a baccalaureate degree must meet the Graduate College admission standards.)
4. Minimum grade point average of 2.50 in the major field, minor field (if applicable), and in all required education courses.
5. Major field, minor field (when appropriate), and required education courses completed.
6. Senior standing.
7. Approval by the Teacher Education Professional Standards Committee.
8. Completion of sufficient credit hours in subject areas assigned for student teaching.
9. Successful completion of at least one microteaching experience in TE 381 Secondary School Methods.

Special Information on Student Teaching in Secondary Education

1. Students who transfer to Boise State University must meet requirements for admission to teacher education and student teaching and complete at least 6 semester hours at the university before being placed in student teaching.
3. Student teachers are expected to do responsible teaching, participate in co-curricular activities, maintain close contact with faculty and students in the public schools, and participate in seminars and conferences with their university supervisors.
4. Any student may be dismissed from a program leading to certification if he or she is found guilty of any offense which would be grounds for revocation or denial of an Idaho teaching certificate, including conviction in a court of law of an offense other than a minor traffic violation. Questions regarding this policy should be addressed either to the coordinator of field experiences (Education Building, Room 306) or the dean of the College of Education (Education Building, Room 705).
5. Student teaching can be taken only once.

Secondary Teacher Certification

To be recommended for certification from Boise State University, students should complete the secondary option degree program within a selected department. Such completion represents a major certification endorsement (at least 30 credit hours) in a teaching field. It is highly recommended that students complete a minor certification endorsement of at least 20 credit hours in another field, as an additional minor certification endorsement enhances the opportunity for employment. Students who do not have an endorsement in a minor area must have at least 45 credit hours in their major.
NOTE: Check with Office of Teacher Education Advising for current Idaho requirements.

The major certification endorsements (secondary option degree programs) are described in the catalog under each department. A listing of the secondary options follows:

- Anthropology-Social Science
- Art
- Biology
- Chemistry
- Communication
- Earth Science
- Economics-Social Science
- English
- History
- History-Social Science
- Mathematics
- Music
- Physical Education
- Physics
- Political Science-Social Science
- Sociology-Social Science
- Theatre Arts

The Boise State University minor certification endorsements are listed below.

NOTE: Check with the Office of Teacher Education Advising for the most current information regarding requirements for minor certification endorsements recognized by the State of Idaho. Minor certification endorsements may also be recognized in areas other than those included in this listing.

Minor Certification Endorsements

NOTE: Minor certification endorsements may be recognized by the State of Idaho in areas other than those included in this listing. Check with the Office of Teacher Education Advising for further information.

Anthropology, Social Science Major

Course Number and Title	Credits
AN 101 Physical Anthropology	3
AN 102 Cultural Anthropology	3
AN 311 Peoples and Cultures of the World	3
Upper-division anthropology	12
Total	21

Anthropology, Non-Social Science Major

Course Number and Title	Credits
AN 101 Physical Anthropology	3
AN 102 Cultural Anthropology	3
AN 103 Introduction to Archaeology	3
AN 311 Peoples and Cultures of the World	3
Upper-division anthropology	9
Total	21

Art

Course Number and Title	Credits
AR 103 Introduction to Art	3
AR 105-106 Basic Design	6
AR 111, 112 Drawing	2
AR 113, 114 Painting	2
Sculpture, metals, ceramics, methods in craft	2
Art courses from 100-400 Suggested electives: art history, lettering, photography, printmaking, weaving, and those listed above.	7
Total	22

Biology

Course Number and Title	Credits
B 205 Microbiology	4
BT 130 General Botany	4
Z 230 General Zoology	5
Course in botany	4
Course in zoology	3-4
Total	20-21

Chemistry

Course Number and Title	Credits
C 131,132,133,134 College Chemistry and Labs	9
C 317, 318 Organic Chemistry and Lab	5
Courses in analytical, physical, inorganic, or biochemistry	7
Total	20-22

Classical Languages, Latin

Course Number and Title	Credits
LA 211 Elementary Classical Latin Language and Literature	4
LA 212 Advanced Classical Latin Language and Literature	4
LA 323 Early Church Latin Literature	3
LA 324 Medieval Latin Literature	3
LA 491 Advanced Latin Tutorial-Augustan Age	3
LA 492 Advanced Latin Tutorial-Constantinian Era	3
Total	20

NOTE: The State Department of Education requires 20 credit hours (9 in language study) for a minor certification endorsement to teach in Idaho secondary schools. The 20 credits in Latin language courses for the academic minor in Latin language and literature are sufficient for state certification. However, it is strongly recommended that students earn at least 9 additional credits from the history and culture courses listed below to give themselves a firm grounding in the ancient and medieval civilizations using the Latin language: HY 320 Ancient Rome, AR 201 Survey Western Art, E 217 Mythology, HY 323 Early Christianity, HY 324 Medieval Europe, HY 481 European Seminar on Augustus and the Golden Age of Rome, HY 481 European Seminar on Constantine and the Late Roman Empire, HY 381 European Colloquium on the Age of the Cathedrals, PY 305 Ancient Philosophy, and PY 307 Medieval Philosophy.

Communication (Speech)

Course Number and Title	Credits
CM 114/314 Communication Activities	2
CM 112 Reasoned Discourse	3
CM 221 Interpersonal Communication	3
CM 231 Public Speaking	3
CM 401 Methods of Teaching Communication	3
CM 493 Internship in Directing Forensics	1
An **additional 6 credits** chosen from the following: CM 171 Mass Media and Society CM 321 Rhetorical Theories CM 341 Nonverbal Communication CM 351 Intercultural Communication CM 356 Communication in the Small Group CM 390 Conflict Management CM 412 Persuasion CM 214/414 Intercollegiate Debate CM 484 Studies in Rhetoric and Public Presentation	6
Total	21

Earth Science

Course Number and Title	Credits
GO 101 Physical Geology	4
GO 103 Historical Geology	4
GO 201 Introduction to Oceanography	3
GO 213 Introduction to Meteorology	3
PH 105 Introduction to Descriptive Astronomy	4
Geology/geophysics courses selected from: GO 213 Geology of Idaho and the Pacific Northwest GO 221 Mineralogy GO 313 Geomorphology GO 351 Invertebrate Paleontology GP 325 Physics of the Earth	3-4
Total	21

Economics

Course Number and Title	Credits
EC 205 Principles of Microeconomics	3
EC 206 Principles of Macroeconomics	3
EC 303 Intermediate Microeconomics	3
EC 305 Intermediate Macroeconomics	3
Upper-division economics courses	9
Total	21

Minor Teaching Endorsement in English

Course Number and Title	Credits
E 240 or 260 Survey of British Literature	3
E 271 or 272 Survey of American Literature	3
E 275 Introduction to Literary Studies	3
E 301 or 381 methods course	3
LI 305 Introduction to Language Studies	3
Upper-division literature course	3
Writing courses numbered 200 or higher	6
Total	24

Students who wish to student teach in English must gain English department approval through successful completion of the English Teaching Portfolio Review.

Foreign Language

Course Number and Title	Credits
French	
F 101-102 Elementary French	8
200-level French courses	8
French courses selected from: F 303-304 Advanced French F 377 Modern Francophone Civilization and Culture	3
TE 383 Secondary Foreign Language Methods	3
Total	22
German	
G 101-102 Elementary German	8
G 201-202 Intermediate German	8
German courses selected from: G 303-304 Advanced German G 377 German Culture and Civilization	3
TE 383 Secondary Foreign Language Methods	3
Total	22
Spanish	
S 101-102 Elementary Spanish	8
S 201-202 or S 203 Intermediate Spanish	8
S 303 Advanced Spanish Conversation and Composition	3
Spanish courses selected from: S 304 Introduction to Hispanic Literature S 376 Spanish Peninsular Civilization and Culture S 377 Latin-American Civilization and Culture S 385 Mexican-American Culture and Civilization	3
TE 383 Secondary Foreign Language Methods	3
Total	25

Geography

Course Number and Title	Credits
GG 101 Introduction to Geography	3
GG 102 Cultural Geography	3
Upper-division geography courses	6
Additional geography courses	8
Total	20

Health Education for Nonphysical Education Majors

Course Number and Title	Credits
H 207 Nutrition	3
PE 100 Health Education	3
PE 114 Fitness Foundations	1
PE 121 Standard First Aid and CPR	1
PE 123 First Aid Instructors Training Course	1
PE 415 Health Programs: Methods and Administration	3
Z 107 Anatomy and Physiology	4
Two courses selected from: H 109 Drugs, Use and Abuse P 261 Human Sexuality P 313 Psychology of Aging PE 405 Consumer Health	6
Total	22

Health Education Minor for Physical Education majors

Course Number and Title	Credits
H 207 Nutrition	3
PE 123 First Aid Instructors Training Course	1
PE 415 Health Programs: Methods and Administration	3
Two courses selected from: H 109 Drugs, Use and Abuse P 261 Human Sexuality P 313 Psychology of Aging PE 405 Consumer Health	6
Total	13

History

Course Number and Title	Credits
HY 151, 152 U. S. History **OR** HY 251, 252 Problems in U. S. History	6
HY 101, 102 History of Western Civilization **OR** HY 201, 202 Problems in Western Civilization **OR** HY 105 Eastern Civilizations	3
PO 101 American National Government	3
Upper-division courses to include 3 credit hours of U. S. History, with the remaining 9 credit hours selected from 2 of the 3 major history areas (U.S., European, and Third World)	12
Total	24

Mathematics

Course Number and Title	Credits
CS 125 Introduction to Computer Science I	5
M 204, 205 Calculus and Analytic Geometry	9
At least 1 of the following: M 301 Linear Algebra M 305 Abstract Algebra I M 311 Foundations of Geometry M 361 Probability and Statistics I	3-4
Math courses to total 20 credits	3-6
Total	20

Music, Instrumental Track

Course Number and Title	Credits
MA — Applied Music 1 year	4
ME — Major Performance Ensemble 1 year	2
MU 119-120 Materials of Music	6
MU 121-122 Ear Training	2
MU 133 Introduction to Music	3
MU 261 Basic Conducting	1
MU 257 String Instrument Methods and Techniques	2
MU 266 Woodwind Methods and Techniques	2
MU 271 Orientation to Music Education	1
MU 366 Instrumental Conducting	1
MU 368 Percussion Methods and Techniques	2
MU 369 Brass Methods and Techniques	2
MU 385 Band and Orchestra Methods and Materials	2
Total	30

Music, Choral Track

Course Number and Title	Credits
MA — Applied Music (Major Instrument) 1 year	4
MA — Applied Music (Voice or Piano) 1 year	4
ME — Performance Ensemble 1 year	2
MU 119-120 Materials of Music	6
MU 121-122 Ear Training	2
MU 256 Vocal Technique	3
MU 261 Basic Conducting	1
MU 271 Orientation to Music	1
MU 365 Choral Conducting	1
MU 385 Choral Methods and Materials	2
Total	26

Natural Science

Course Number and Title	Credits
BT 130 General Botany **AND** Z 230 General Zoology	9
C 107, 108, 109, 110 Essentials of Chemistry and Labs	8
GO 101 Physical Geology	4
GO 103 Historical Geology	4
PH 101, 102 General Physics	8
Total	25

The coaching endorsement consists of two parts. Those desiring to coach at the elementary school level or as a volunteer in youth sport organizations should complete Part 1, which leads to American Coaching Effectiveness Program (ACEP) Level I certification. Completion of both Parts I and II is recommended for those desiring to coach sports at the interscholastic level.

Physical Education

Course Number and Title	Credits
Part I – Volunteer Coaches	
PE 107 Introduction to Coaching	2
Complete one of the following:	
PE 121 Standard First Aid and CPR	1
PE 236 Introduction to Athletic Injuries	3
American Red Cross Certification in First Aid-CPR	0
One coaching methods course selected from: PE 250 Coaching Baseball PE 251 Coaching Basketball PE 252 Coaching Football PE 256 Coaching Women's Gymnastics PE 257 Coaching Tennis PE 258 Coaching Track and Field PE 259 Coaching Volleyball PE 260 Coaching Wrestling	2
PE 293 Internship in Coaching Youth Sports **OR** equivalent experience	0-1
Part II – Interscholastic Coaches	
Complete Part I	4-8
PE 313 Conditioning Procedures	2
PE 401 Psycho/Social Aspects of Sport	3
PE 430 Coaching, Nature of Profession	2
Z 107 or Z 111-112 Anatomy and Physiology	4-8
One coaching methods course selected from: PE 250 Coaching Baseball PE 251 Coaching Basketball PE 252 Coaching Football PE 256 Coaching Women's Gymnastics PE 257 Coaching Tennis PE 258 Coaching Track and Field PE 259 Coaching Volleyball PE 260 Coaching Wrestling	2
Two skills courses that complement coaching methods courses	1 + 1
PE 493 Internship "Interscholastic Athletics"	3
Total	22-30

K-12 Endorsement for Physical Education Majors

Course Number and Title	Credits
P 211 Child Psychology	3
PE 361 Elementary School Physical Education Methods	3
TE 477 Elementary Student Teaching-Specialty Area	4-8
Total	10-14

Physical Science

Course Number and Title	Credits
C 131, 132, 133, 134 College Chemistry and Labs	9
PH 101, 102 General Physics	8
PH 105 Introduction to Descriptive Astronomy	4
Total	21

Political Science	
Course Number and Title	**Credits**
HY 151-152 U. S. History **OR** HY 251-252 Problems in U. S. History	6
History course	3
PO 101 American National Government PO 102 State and Local Government PO 141 Contemporary Political Ideologies PO 231 International Relations	3 3 3 3
Upper-division comparative government course	3
Upper-division political science courses	6
Total	30

Psychology	
Course Number and Title	**Credits**
P 101 General Psychology P 295 Statistical Methods P 301 Abnormal Psychology P 351 Personality	3 3 3 3
Upper-division psychology courses	9
Total	21

Sociology	
Course Number and Title	**Credits**
SO 101 Introduction to Sociology SO 201 Theories of Society SO 210 Comuputer Applications in Social Sciences SO 311 Social Research SO 400 Sociological Theory	3 3 4 3 3
Sociology courses	6
Total	22

Theatre Arts	
Course Number and Title	**Credits**
TA 117-118 Technical Theatre TA 215 Acting I TA 331 Major Production Participation TA 341 or 342 World Drama TA 401 Directing TA 421 or 422 Theatre History	8 3 1 3 3 3
Total	21

Course Offerings

See page 53 for a definition of the course-numbering system.

GE GENERAL EDUCATION

Lower Division

GE 100 STRATEGIES FOR ACADEMIC SUCCESS (2-0-2) (F,S). This course will help students succeed in college by developing skills and attitudes necessary to achieve their educational goals. The course content includes knowledge of the values, policies, and procedures of the University; information of the University's resources and services; stress and anxiety management; effective life and study skills; effective use of the library; and career exploration.

GE 102 LIBRARY SKILLS I (0-2-1) (F/S). An independent self-paced course in library skills including resources common to academic libraries in general and to facilities in the Boise State University Library in particular. Designed for incoming students who are not familiar with an academic library, and for returning students who have had difficulty using the college library in the past. (Graded Pass/Fail).

GE 103 LIBRARY SKILLS II (0-2-1). Builds on LS 102 Library Skills I and introduces additional and more sophisticated library materials and techniques. PREREQ: Prior or concurrent enrollment in GE 102.

GE 108 READING AND STUDY SKILLS (1-2-2) (F/S). This course is designed primarily to assist students in meeting the demands of their university courses. Through lecture and laboratory sessions, students develop their reading and study skills. Laboratory consists of two one-hour sessions each week in which students are given supervised practice in applying the reading and study skills discussed initially in lecture. The following skill areas are included: time management, main ideas processing, textbook reading, note taking, test taking, and library use. (Pass/Fail).

GE 114 SECOND WIND (3-0-2) (F). Course specifically designed for "re-entry" students: women and men 25 years of age or older who are returning to school, or considering a return to school, after having been away for some years. Topics will include career and academic decision-making, academic survival skills, making the transition to university life, time management, and stress management. The problems, opportunities, and issues involved in meeting the demands of multiple roles will be considered. Pass/Fail.

GE 115 CAREER AND LIFE PLANNING (3-0-3) (F,S). Career and Life Planning devotes three weeks to each of the following areas: (1) knowing self, (2) the world of work, (3) identifying resources, (4) actual career planning, and (5) proposed implementation of career and life plans. Students are expected to participate through work-study sheets, interviews, and visitations and by arranging for resources pertinent to classroom activities. Pass/Fail. Limited enrollment. Cannot be used to meet Area II requirements.

GE 116 ASSERTIVENESS TRAINING (3-0-3) (F,S). This course is designed to improve the communication skills of those who are experiencing difficulty in expressing their feelings and opinions openly, honestly, and constructively to others. Group techniques will include training films, behavioral rehearsals, and role-playing. Pass/fail. Limited enrollment.

LS LIBRARY SCIENCE

Lower Division

LS 201 INTRODUCTION TO THE USE OF LIBRARIES AND THE TEACHING OF LIBRARY SKILLS (2-2-3) (On demand). Teaches efficient use of library materials, catalogs, indexes, and reference sources in various subject fields and prepares teachers and librarians to teach library skills to elementary and secondary school students.

Upper Division

LS 301 LIBRARY ORGANIZATION AND ADMINISTRATION (3-0-3) (On demand). An introduction to the development, organization, and management of all types of libraries with emphasis upon the school library and its place in the instructional program. PREREQ: LS 201 or PERM/INST.

LS 311 REFERENCE AND BIBLIOGRAPHY (3-0-3) (On demand). Introduction to evaluation and use of basic reference sources, principles, techniques, and issues of reference service. Includes coverage of standard reference books, indexes, abstracts, and bibliographies found in school or small public libraries. PREREQ: LS 201 or PERM/INST.

LS 321 BASIC BOOK SELECTION (3-0-3) (On demand). Principles and techniques for evaluating and selecting library materials; introduction to reviewing media and to basic tools for selecting and acquiring all types of book and nonbook materials. Includes discussions of discarding and weeding, and materials for slow and gifted readers. PREREQ: LS 201 or PERM/INST.

LS 331 CATALOGING AND CLASSIFICATION (3-0-3) (On demand). Theory and principles of classification and cataloging of book materials, practice using Dewey Decimal Classification, preparing catalog cards, assigning subject headings, and library filing. Bibliographic utilities and cooperative cataloging are discussed. PREREQ: LS 201 or PERM/INST.

TE TEACHER EDUCATION

Lower Division

TE 071 CAREER ORIENTATION FOR ELEMENTARY EDUCATION (1-0-0) (F/S). The students will receive an orientation to the field of elementary education including the nature of elementary teaching, expectations of the profession, its specialty areas, and related career possibilities. They will also receive information about the nature of the elementary education programs and their specific requirements. Each student will be given an aptitude test to assist in advising. (Graded Pass/Fail).

TE 161 CDA: PLANNING A SAFE, HEALTHY LEARNING ENVIRONMENT (1-0-1) (S). Participants in this course will acquaint themselves with three critical areas of establishing an early childhood education environment through: (1) maintaining the physical safety of children in their care, (2) promoting good habits in health and nutrition of children and teachers, and (3) establishing effective room arrangements, classroom routines, and schedules which are supportive of the teacher's goals for children. PREREQ: Enrollment in the CDA program.

TE 162 CDA: STEPS TO ADVANCE CHILDREN'S PHYSICAL AND INTELLECTUAL COMPETENCE (3-0-3) (S). Participants will have an opportunity to explore the ideas of (1) how children think and learn, and (2) how to teach in an early

childhood program in ways which foster competence in the cognitive, physical, communicative, and creative domains of development. Emphasis will be on establishing an environment for learning, including choosing materials and activities, and developing teaching skills to foster physical and intellectual competence. PREREQ: Enrollment in the CDA program.

TE 163 CDA: POSITIVE WAYS TO SUPPORT CHILDREN'S SOCIAL AND EMOTIONAL DEVELOPMENT (3-0-3) (S). Participants will be able to examine their own biases and how their personal vision of children affects their work with them. Participants will acquire and/or refine the knowledge and skills required to support children's (1) developing sense of self, (2) growing sense or competence in managing social relationships, and 3) increasing self-control and self-discipline. PREREQ: Enrollment in CDA program.

TE 164 CDA: STRATEGIES TO ESTABLISH PRODUCTIVE RELATIONSHIPS WITH FAMILIES (1-0-1) (S). Participants will become skilled and knowledgeable in establishing partnerships with parents by (1) becoming knowledgeable about family types, (2) understanding diversity of families, (3) becoming skilled in communicating with parents, and (4) involving them in the education of their child. PREREQ: Enrollment in the CDA program.

TE 165 CDA: STRATEGIES TO MANAGE AN EFFECTIVE PROGRAM OPERATION (1-0-1) (S). Participants will develop a systematic approach to running an early childhood program that includes (1) determining the needs of the program, children, and families, (2) making plans and problem-solving solutions based on the identified needs, (3) keeping accurate records of needs, plans, and practices, and (4) using various means for meeting needs, including written notices, group meetings, and informal discussions. PREREQ: Enrollment in the CDA program.

TE 166 CDA: MAINTAINING A COMMITMENT TO PROFESSIONALISM (1-0-1) (S). Participants will become acquainted with different aspects of professionalism in early childhood education, with emphasis on early childhood teacher's professional relationship with children, families, colleagues, employers, and the community. PREREQ: Enrollment in the CDA program.

TE 167 CDA: OBSERVING AND RECORDING CHILDREN'S BEHAVIOR (1-0-1) (S). Participants will develop skill in carefully observing children from birth through age 5, with emphasis on objectively observing behavior in everyday routines and play activities. Participants will develop an appreciation of observation as a way to obtain information about individual children's strengths, needs, and preferences. Application of observation information to appropriate curriculum development will be introduced. PREREQ: Enrollment in the CDA program.

TE 168 CDA: PRINCIPLES OF CHILD GROWTH AND DEVELOPMENT (1-0-1) (S) . Participants will become familiar with development of the young child by examining typical characteristics and individual differences. Students are introduced to atypical development in an application format. Emphasis will be on using developmental information in planning appropriate activities for children in early childhood classrooms and establishing appropriate expectations of children at various ages. PREREQ: Enrollment in the CDA program.

TE 172 INTRODUCTION TO SECONDARY TEACHING: CLASSROOM OBSERVATION (1-1-1) (F/S). This course will provide the student with an introduction to the secondary school, the role of the teacher, guidelines for professional preparation, and a minimum of fifteen hours of guided classroom observation. Eight one-hour classroom lectures will be required, with time for classroom observation arranged on an individual basis.

TE 201 FOUNDATIONS OF EDUCATION (3-0-3) (Area II). Social, multicultural, philosophical, and historical perspectives in education; current educational issues; and problems of education. It provides a conceptual framework from which students will learn to reflect upon and question ways of knowing, both individually and as members of a larger community.

TE 202 FOUNDATIONS OF TEACHING BILINGUAL EDUCATION/ESL (3-0-3) (F). This course is designed to give students a background in the psychological, legal, and cultural foundations of bilingual education and teaching English as a Second Language. Students receive an overview of current trends in the field learning and in the preparation needed to be a Bilingual Education/ESL teacher.

TE 208 EDUCATIONAL TECHNOLOGY – CLASSROOM APPLICATIONS (2-2-3). Emphasizes basic but essential skills and technology needed for using computers in the teaching/learning process. Focuses on databases, spreadsheets, presentation software, word processing, and instructional models supported by this software. Prepares students to meet basic computer and instructional competencies required for Idaho teacher certification. PREREQ: Basic work processing competency.

TE 216 GRAMMAR AND LANGUAGE USAGE FOR TEACHERS (3-0-3) (S). This course will provide instruction in the content of language arts curriculum generally taught in grades 4-8. Students will study the developmental sequence of grammar, punctuation, spelling, and language study appropriate to each grade level. The course will also include an introduction to writing instruction.

TE 225 EDUCATIONAL PSYCHOLOGY (3-0-3). This course provides an introduction to educational psychology, emphasizing the application of selected principles of psychology to instruction. Specific topics include theories of learning, cognitive development, motivation and self-concept, and educational measurement.

TE 261 FOUNDATIONS OF EARLY CHILDHOOD EDUCATION (3-0-3) (F). This course explores the historical and current principles and practices of early childhood education. The student will study program models, curriculum designs, ethics, public policy, and the teaching-learning process of the young child. Emphasis will be on the young child of age 3-8. COREQ: TE 293 Internship in ECE.

TE 271 FIELD EXPERIENCE ELEMENTARY TUTORING (1-3-2) (F/S). This course will provide students with an opportunity to work with elementary-age students in a personal and helping relationship, while observing the work of an experienced teacher and the interactions of elementary children. Students will participate in seminars and a minimum of 45 hours of tutoring experience in a pre-school, kindergarten, primary, upper grade, or special education classroom. Pass/Fail. PREREQ: TE 071, TE 201.

TE 278 MEXICAN-AMERICAN TRADITION AND CULTURE (3-0-3) (S). This class provides an exploration of Mexican-American traditions and culture. It explores the history and the Mexican-American people including their influence on contemporary American language, customs, and beliefs as related to the Mexican-American and educational institutions. This course may be taken for either TE or SO credit, but not both.

TE 291 EDUCATION OF THE EXCEPTIONAL CHILD (3-0-3). The course shall provide students with an overview of the exceptional child's educational, social, and psychological needs. Special emphasis will be placed on the period from birth through childhood and adolescence. Additional topics include service delivery systems in the schools and community, as well as legal considerations.

Upper Division

TE 304 INTEGRATED LANGUAGE ARTS (3-0-3) (F/S). This course serves as the foundation for the sequence of literacy courses in the elementary education program. The content of the course provides pre-service elementary classroom teachers with the knowledge they need to assess and provide children with appropriate language instruction. The general areas of emphasis include oral language development, written language development, phonics and grammar terminology, and an introduction to theories of teaching reading and the language arts. This course fulfills the language arts methods requirement. PREREQ: Admission to teacher education.

TE 305 TEACHING DEVELOPMENTAL LITERACY GRADES K-8 (3-0-3) (F/S). This is a curriculum and methods course that explores the integration of developmental reading with the other language arts (writing, speaking, listening and viewing). Students will investigate a reading and language arts curriculum that is child-centered, literature and activity based, context and writing rich, and communication focused. A broad spectrum of instructional resources will be examined, including but not limited to basal readers, trade books, magazines, and other supplementary materials. PREREQ: Admission to teacher education and TE 304.

TE 316 CHILDREN'S LITERATURE (3-0-3) (F/S). This course will provide a survey of literature for children from preschool through early adolescence, with emphasis on recognition of excellence and the value of wide and varied reading experiences. Literature from diverse cultures as well as current issues in book selection will be included. PREREQ: Admission to teacher education.

TE 322 IDENTIFICATION and DIAGNOSIS OF LIMITED ENGLISH PROFICIENT STUDENTS (2-0-2) (F). Students become familiar with language proficiency tests and theory. A variety of language assessment instruments currently in use are reviewed. Students learn to administer and interpret the results of these instruments in order to place language limited children in the proper level of Bilingual Education or ESL study. Students may be assigned to local public schools to gain practical experience in administering the assessment instruments studies. PREREQ: Admission to teacher education and S 202; PREREQ or COREQ: TE 202.

TE 330 ASSESSMENT PROCEDURES IN SPECIAL EDUCATION (3-0-3) (F). This course shall provide the student with the skills required for assessment in special education. As part of the course, students will demonstrate skills in selection and administration of tests as well as the interpretation of the test results. PREREQ: Admission to teacher education.

TE 333 EDUCATING EXCEPTIONAL SECONDARY-AGE STUDENTS (1-0-1) (F/S). The course is designed to acquaint prospective secondary teachers with the educational needs of secondary students identified as exceptional. Emphasis shall be placed on classroom teaching models that enhance learning for exceptional students. PREREQ: Admission to teacher education.

TE 334 TEACHING IN SPECIAL EDUCATION (3-0-3) (F). The course is designed to provide the prospective special education teacher with an overview of the profession, including: federal and state laws, regulations and policies, and the referral and qualification process; IEP development and implementation; program coordination; parents and the interdisciplinary team; professional organizations; and legal and ethical dilemmas. PREREQ: Admission to teacher education. PREREQ or COREQ: TE 291.

TE 340 TECHNOLOGY IN SPECIAL EDUCATION (2-2-3) (F/S). This course introduces students to uses of computers and technology that are especially valuable for individuals with special needs. Students will become familiar with a variety of curricular software uses, including word processing, databases, and spreadsheet applications and adaptations. Other uses and adaptations of technology for special learners such as CD-ROM, communication approaches, adaptive equipment, and video operations will be studied. PREREQ: Admission to teacher education and satisfactory completion of a computer competency test administered by the teacher education computer lab. $10.00 lab fee.

TE 341 LITERATURE FOR YOUNG ADULTS (3-0-3) (S). This course will provide an appraisal of literature, including a multicultural component, appropriate to the needs, interests, and abilities of young adults. It is intended for librarians, teachers, and others interested in working with young adults. PREREQ: Admission to teacher education and. three credits of lower division literature.

TE 356 VIDEO TECHNOLOGY – CLASSROOM APPLICATIONS (1-2-2) (S). A competency based video technology course designed to prepare teachers to use video technology in the classroom. Students will master a variety of classroom video applications such as production of video essays, reports, tests, demonstrations, and magazines. Lab fee required. PREREQ: Admission to teacher education.

TE 358 CORRECTIVE READING (3-0-3) (F,S). A study of reading difficulties of elementary or secondary school pupils with emphasis upon diagnosis, as well as materials and methods of teaching. Opportunity is offered to consider learning disabilities related to ethnic and cultural differences by tutoring an elementary or secondary school pupil for approximately 20 sessions. PREREQ: Admission to teacher education and TE 305.

TE 361 CHILD BEHAVIOR AND GUIDANCE IN EARLY CHILDHOOD (3-0-3) (F). The influence of the home and school environments will be examined in relation to child behaviors. Physical, social, emotional, and cognitive domains will be addressed for both typical and atypical development. Parent and teacher manuals will be examined in relation to management theories and appropriateness in guiding young children's behavior. PREREQ: Admission to teacher education (admission to teacher education is waived for nonelementary education majors), P 101, and TE 291 or PERM/INST. COREQ: TE 493 Internship in ECE.

TE 362 CURRICULUM AND PROGRAM PLANNING IN ECE (3-0-3) (S). This course explores the content organization of the early childhood classroom. The student will learn how to select objectives, organize content through an integrated approach, select appropriate learning activities, and assess both children's growth and program effectiveness. Emphasis will be on the young child age 3-8. PREREQ: Admission to teacher education (admission to teacher education is waived for nonelementary education majors).

TE 372 TEACHING IN THE CULTURALLY DIVERSE CLASSROOM (3-0-3) (F/S). The students will investigate cultural diversity in the United States from a historical and demographic perspective and will analyze ways in which the educational system has responded. Students will study different educational approaches such as multicultural, pluralistic and bilingual education, and analyze curriculum and appropriate pedagogy for the culturally diverse learner. Particular attention will be given to Hispanic and other regional minorities. PREREQ: Admission to teacher education. COREQ: TE 373.

TE 373 PRACTICUM: AT-RISK CHILDREN IN THE COMMUNITY (0-2-1) (F/S). This practicum will focus on at-risk children/youth and their families and the community agencies that serve them. Students will work with specific agencies serving their students and their families. PREREQ: Admission to teacher education. COREQ: TE 372.

TE 381 SECONDARY SCHOOL METHODS (3-0-3). A study of the secondary school including methods and materials. Application is made to the students' teaching areas. Must be taken prior to student teaching. PREREQ: TE 201. Admission to teacher education.

TE 383 SECONDARY FOREIGN LANGUAGE METHODS (3-0-3). Students participate in discussions of problems of learning a foreign language. Current approaches to language teaching are explored. This knowledge is applied to practical activities, cultural presentations, teaching aids, and resource material. PREREQ: Six upper-division credits in one foreign language or PERM/INST. Admission to teacher education.

TE 384 SECONDARY SCHOOL SCIENCE METHODS (3-0-3) (S). This course provides the theoretical and practical background for science instruction at the secondary level. Emphasis is placed on the development of teacher competency in the use of inquiry methods, questioning techniques, and the development of higher reasoning skills in students. Use of technology in science teaching is also treated. Prior completion of TE 381 Secondary School Methods is recommended. PREREQ: Admission to teacher education.

TE 385 SECONDARY SCHOOL SOCIAL STUDIES METHODS (3-0-3) (S). This course will examine effective methods for teaching secondary social studies. Curriculum organized either by a general social studies format, or by a single social science discipline or history, and effective teaching strategies will be identified, analyzed, and practiced. PREREQ: TE 381 or PERM/INST; admission to teacher education.

TE 393 BEGINNING DRIVER EDUCATION (2-1-2). Designed to aid teachers in the instruction of beginning drivers and in the use of dual controlled automobiles. It includes the functioning of the vehicle, its proper operation, and traffic control safety.

TE 394 ADVANCED DRIVER EDUCATION (2-1-2). Designed to provide advanced preparation in principles and practices of driver and traffic safety education for teachers, supervisors, and administrators. PREREQ: TE 393.

TE 395 GENERAL SAFETY EDUCATION (3-0-3). Provides a comprehensive survey of general safety education, applied to all fields in general but to public schools in particular. Includes the study of accidents, safety, accident prevention, and the school's role in safety relative to other public and private agencies.

TE 406 DEVELOPING CONTENT AREA LITERACY GRADES K-8 (3-0-3) (F/S). Students will learn strategies for extending the development of literacy skills to the learning tasks demanded by the various academic disciplines. Emphasis will be placed on ways to assist learners in developing comprehension and study strategies and ways to respond to academic concepts through the language arts. Current practices and issues in the assessment of literacy will be studied. PREREQ: Admission to teacher education, TE 304, and TE 305. COREQ: TE 412, TE 417, TE 418, and TE 419.

TE 407-407G CONTENT LITERACY FOR SECONDARY STUDENTS WITH DIVERSE LEARNING NEEDS (3-0-3). Emphasis on using instructional materials in the various content subjects and developing instructional skills to meet the reading, writing, and studying needs of all learners in today's society (especially those considered "at risk."). Graduate credit requires completion of additional objectives. PREREQ: Admission to teacher education and TE 201.

TE 408-408G INTEGRATING TECHNOLOGY INTO CLASSROOM CURRICULA (3-0-3) (F/S). Using both stand-alone and network computer systems, students will develop classroom strategies for integrating computers and selected software into lesson and unit plans; use CD-ROM, video disk, video technology, and overhead projection panels as part of instructional lessons; and access communications applications and databases via modems. $10.00 lab fee. PREREQ: TE 208 and admission to teacher education.

TE 412 SENIOR PRACTICUM (0-2-1) (F/S). This course provides opportunities for students to practice previously learned techniques in appropriate school settings. The students will also be able to examine grade level appropriate materials and curricula as they exist in local schools. Students are expected to observe and assist classroom teachers by developing and delivering lessons to individuals, small groups, and whole classes, possibly in cooperation with other practicum participants. PREREQ: Admission to teacher education. COREQ: TE 406, TE 417, TE 418, and TE 419.

TE 416 ELEMENTARY LANGUAGE ARTS CURRICULUM AND INSTRUCTION (3-0-3). Students will examine various frameworks for teaching and learning language arts. Current theory and research on language and literacy development will be explored. Instructional methods, materials, technology, and an appropriate environment that encourages the emergent development of children's writing, reading, listening, speaking, and viewing strategies will be applied and evaluated. Alternative methods for assessment and evaluation of language arts learning will be described and utilized. PREREQ: Admission to student teaching. COREQ: TE 406, TE 412, TE 417, TE 418, and TE 419.

TE 417 ELEMENTARY SOCIAL STUDIES CURRICULUM AND INSTRUCTION (3-0-3). Elementary social studies curriculum, philosophy, and goals are examined. A variety of instructional methods and materials are presented and evaluated in accordance with developmental theory. Emphasis is placed on multicultural education, global issues, and values in a democratic society. These areas are integrated across the curriculum through lesson plans and units that emphasize process teaching, critical thinking, technology, and assessment. PREREQ: Admission to student teaching. COREQ: TE 406, TE 412, TE 418, and TE 419.

TE 418 ELEMENTARY MATHEMATICS CURRICULUM AND INSTRUCTION (3-0-3). Elementary mathematics curriculum, philosophy, and goals are examined, and instructional methods and materials designed to achieve the goals are presented. Students develop activities, lessons, and units consistent with the developmental stages of children and the nature of mathematics. Development and assessment of problem-solving skills and appropriate applications of manipulatives and technology are emphasized. PREREQ: M 103, M 104, and admission to student teaching. COREQ: TE 406, TE 412, TE 417, and TE 419.

TE 419 ELEMENTARY SCIENCE CURRICULUM AND INSTRUCTION (3-0-3). Elementary science curriculum philosophy and goals are examined, and instructional methods and materials designed to achieve the goals are presented. Students develop activities, lessons, and units consistent with the developmental stages of children and the nature of science. Development and assessment of science process skills and concept acquisition through the use of "hands-on" activities and technology are stressed. PREREQ: M 103, M 104, and admission to student teaching. COREQ: TE 406, TE 412, TE 417, and TE 418.

TE 422 CURRICULUM FOR THE MODERATELY/SEVERELY HANDICAPPED (3-0-3) (F). This course is designed to acquaint students with a systematic approach to conduct assessment and curriculum planning for the moderately/severely handicapped student. Such areas as severe mental retardation, multiple handicaps, and severe emotional disturbances will be studied in this course. PREREQ: TE 291, 330, and admission to teacher education.

TE 423-423G TEACHING STUDENTS WITH MODERATE AND SEVERE DISABILITIES (3-0-3) (S). This course is an overview of program development and instructional techniques appropriate for students who have moderate to severe disabilities. Major emphasis is on the development of functional programming within integrated educational settings. PREREQ: Admission to teacher education.

TE 431 TEACHING READING AND WRITTEN EXPRESSION TO STUDENTS WITH DISABILITIES (3-0-3) (F). The course details the various components for teaching reading and written expression, including the selection and usage of appropriate materials, and integrating diagnosis and remedial procedures with mildly handicapped students (learning disabled, emotionally disturbed, and mildly/moderately mentally retarded). PREREQ: Admission to teacher education.

TE 432 TEACHING MATH AND LANGUAGE TO STUDENTS WITH DISABILITIES (3-0-3) (S). The course will detail specific sequences and various approaches to math instruction and oral language development correction procedures, on-going record keeping, and remediation for mildly emotionally disturbed, learning disabled, and mild-moderate mentally retarded. PREREQ: TE 330 or PERM/INST. Admission to teacher education.

TE 435 TEACHING ADOLESCENTS WITH MILD DISABILITIES (3-1-3) (S). The course is designed to familiarize prospective educators with specific methods and strategies for assisting adolescents who display learning and behavior problems. Topical areas include curriculum alterations, transition planning, service delivery approaches, collaborative techniques, and numerous instructional strategies. A 30-hour practicum in a secondary public school site is required. PREREQ: Admission to teacher education.

TE 445 ASSESSMENT AND PROGRAM PLANNING IN EARLY CHILDHOOD SPECIAL EDUCATION (3-0-3) (F). This course presents an overview of assessment procedures appropriate to preschool children with handicaps. The course also provides information for working with families of handicapped children and the procedures used in the development of preschool individualized education programs. PREREQ: Admission to teacher education, TE 291, or PERM/INST.

TE 446 METHODS AND CURRICULUM IN EARLY CHILDHOOD SPECIAL EDUCATION (3-0-3) (F). Program development in early childhood special education, including intervention approaches, curriculum determination, service delivery options, intervention strategies, and instructional materials selection and adaptation. PREREQ: Admission to teacher education, TE 291, or PERM/INST.

TE 447 EARLY LANGUAGE ASSESSMENT AND INTERVENTION (3-0-3) (S). Students will examine typical and atypical language development of young children. Topics will include language acquisition theories, informal and formal assessment procedures, and intervention approaches. PREREQ: Admission to teacher education, TE 291 and TE 361, or PERM/INST.

TE 450-450G BEHAVIOR INTERVENTION TECHNIQUES (3-0-3) (F). This course provides an introduction to the theoretical principles of behavior and the development of practical applied behavior analysis procedures with children from the preschool years through adolescence. As part of the course, students will develop, implement, and evaluate a field-based applied behavior analysis project. PREREQ: Admission to teacher education.

TE 453 TEACHING READING AND LANGUAGE ARTS IN THE BILINGUAL/ESL CLASSROOM (3-0-3) (F). Students develop an understanding of various approaches to reading instruction that are effective in the bilingual/English as a Second Language classroom. The class includes review of materials, media, and development of criteria for selection of appropriate instructional materials. Instruction is given in both English and Spanish. PREREQ: S 202, TE 305 or PERM/INST, and admission to teacher education.

TE 454 TEACHING CONTENT IN THE BILINGUAL CLASSROOM (3-0-3) (S). This course includes instructional strategies and techniques in mathematics, science, and social studies for use in the elementary classroom. Instruction will be presented in both the Spanish and English languages. PREREQ: S 202 or PERM/INST, and admission to teacher education.

TE 456 METHODS OF TEACHING ENGLISH AS A SECOND LANGUAGE (3-0-3) (F). This course teaches current approaches and resources regarding the teaching of ESL. A variety of classroom organizational patterns conducive to language learning are discussed. Problem-solving strategies for dealing with issues and problems regarding the development of communicative competency are addressed. PREREQ: TE 202 and admission to teacher education.

TE 457 CLASSROOM MANAGEMENT SKILLS (3-0-3) (F/S). This course is designed to help prospective teachers develop an approach to classroom management. The course of study will focus on ecological factors that contribute to a positive classroom atmosphere, including the teacher, the student, the school, and parents. The course will emphasize principles that strengthen desirable behavior and reduce inappropriate behavior for individuals and for groups of students. PREREQ: P 211, TE 225, and admission to teacher education.

TE 460 FAMILY AND COMMUNITY RELATIONS (3-0-3) (F). This course prepares students of teacher education to understand the diverse parent community and become knowledgeable about effective home-school-community relations. Parent education models and community resources are examined for both home and school needs. PREREQ: Admission to teacher education (admission to teacher education is waived for nonelementary education majors).

TE 463-463G INFANT EDUCATION (3-0-3) (S). The physical, social, emotional, and intellectual development of the infantage birth to three will be examined in relation to the kinds of environment and learning experiences that will stimulate and ensure optimum development. PREREQ: Admission to teacher education (admission to teacher education is waived for nonelementary education majors).

TE 465 CREATING MATERIALS IN EARLY CHILDHOOD EDUCATION (3-0-3) (S/SU). Students will become familiar with a variety of classroom materials. They will design and make materials that are best suited to meet the objectives of their particular curriculum, as well as individual children's needs. Students will evaluate materials with children. Students will be expected to supply their own materials. PREREQ: Admission to teacher education.

TE 470 ELEMENTARY SCHOOL STUDENT TEACHING—PRE-SCHOOL/ KINDERGARTEN (1-15-8) (F/S). Supervised student teaching in a preschool or kindergarten setting. Seminars required. PREREQ: Admission to student teaching, required course work in early childhood education, and approval for placement in a preschool or kindergarten setting; restricted to students seeking the Early Childhood Endorsement. (Pass/Fail).

TE 471 ELEMENTARY SCHOOL STUDENT TEACHING– KINDERGARTEN/ PRIMARY (1-15-8) (F/S). Supervised student teaching in a kindergarten or primary grade setting. Seminars required. PREREQ: Admission to student teaching; student teaching in kindergarten is restricted to those seeking the Early Childhood Endorsement.(Pass/Fail).

TE 472 ELEMENTARY SCHOOL STUDENT TEACHING–INTERMEDIATE (1-15-8) (F/S). Supervised student teaching in an intermediate grade setting. Seminars required. (Pass/Fail). PREREQ: Admission to student teaching.

TE 473 SPECIAL EDUCATION STUDENT TEACHING–STUDENTS WITH MILD DISABILITIES (1-15-8) (F/S). Supervised student teaching in a special education program for students with mild handicaps. Seminars required. PREREQ: Admission to student teaching, required course work in special education, and approval for placement in a special education setting. (Pass/Fail).

TE 474 ELEMENTARY STUDENT TEACHING IN THE BILINGUAL CLASSROOM (1-15-8) (F). This course includes observation of teaching in bilingual classrooms at various grade levels, teaching under the direction of a cooperating teacher in a bilingual classroom, and regularly scheduled seminars with a university supervisor. Some areas will be presented in both English and Spanish. May be taken concurrently with TE 453 or TE 454. (Pass/Fail). PREREQ: Admission to student teaching, required work in bilingual education, and approval for placement in a bilingual education setting.

TE 476 SPECIAL EDUCATION STUDENT TEACHING – STUDENTS WITH SEVERE DISABILITIES (1-15-8) (F/S). Supervised student teaching in a special education program for students with severe handicaps. Seminar required. (Pass/Fail). PREREQ: Admission to student teaching, required course work in special education, and approval for placement in special education setting.

TE 477 ELEMENTARY STUDENT TEACHING SPECIALTY AREA (1-15-8) or (1-8-4) (F/S). This course is reserved for students who are seeking an endorsement to teach in specific disciplines in grades 1-8 or who are seeking an elementary specialist certificate. Students are given assignments in elementary schools where they observe and teach under the supervision of a cooperating teacher and a university supervisor. (Pass/Fail). PREREQ: Admission to student teaching, required coursework in specialty area, and approval for placement in an appropriate classroom setting.

TE 478 ELEMENTARY SCHOOL STUDENT TEACHING EARLY CHILDHOOD SPECIAL EDUCATION (1-15-8) (F/S). Supervised student teaching in an early childhood special education setting. Seminars required. (Pass/Fail). PREREQ: Admission to student teaching, required course work in early childhood special education, and approval for placement in an early childhood special education classroom.

TE 482 JUNIOR HIGH SCHOOL STUDENT TEACHING: DUAL OPTION (0-15-8) (F/S). Supervised student teaching in a junior high school. The student will be placed with a cooperating teacher for one half-semester (full-time) in his/her major/minor field under supervision of university faculty. Seminars are required. (Graded Pass/Fail). PREREQ: Admission to student teaching. COREQ: TE 483.

TE 483 SENIOR HIGH SCHOOL STUDENT TEACHING: DUAL OPTION (0-15-8) (F/S). Supervised student teaching in a senior high school. The student will be placed with a cooperating teacher for one half-semester (full-time) in his/her major/minor field under the supervision of university faculty. Seminars are required. (Graded Pass/Fail). PREREQ: Admission to student teaching. COREQ: TE 482.

TE 484 JUNIOR HIGH SCHOOL STUDENT TEACHING: SINGLE OPTION (1-20-10) (F/S). Supervised student teaching in a junior high school. The student will be placed with a cooperating teacher for ten weeks (full-time) in his/her major/minor field

under the supervision of university faculty. Seminars are required. (Graded Pass/Fail). PREREQ: Admission to student teaching.

TE 485 SENIOR HIGH SCHOOL STUDENT TEACHING: SINGLE OPTION (1-20-10) (F/S). Supervised student teaching in the senior high school. The student will be placed with a cooperating teacher for ten weeks (full-time) in his/her major/minor field under the supervision of university faculty. Seminars are required. PREREQ: Admission to student teaching.

TE 490 PRACTICUM IN EARLY CHILDHOOD SPECIAL EDUCATION (0-20-3). Students enrolling in this course shall be placed in an education program designed for the preschool handicapped. Specific needs of the individual student shall dictate placement and the type of experiential exposure. It is the intent of this course to develop a person with the skills required to teach the preschool handicapped. PREREQ: Admission to teacher education, PERM/INST.

Department of Theatre Arts

Morrison Center, Room C-100 Telephone 208 385-3957
http://www.idbsu.edu:80/theatre/clauterb

Chair and Associate Professor: Kent Neely. *Professor:* Lauterbach. *Associate Professors:* Atlakson, Buss, Hoste, Klautsch. *Assistant Professors:* Baltzell, Hansen. *Special Lecturer:* Fee.

Degrees Offered

- B.A. and Minor in Theatre Arts
- B.A. in Theatre Arts, Secondary Education

Degree Requirements

Theatre Arts, Performance Option Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
AR 103 Intro to Art **OR**	3
MU 133 Intro to Music	
TA 107 Introduction to Theatre	3
Area I core course in literature	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
HY 101 History of Western Civilization	3
HY 102 History of Western Civilization	3
Area II core course in a second field	3
Area II core course in a third field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
*TA 010 Theatre Symposium	0
TA 105 Play Analysis	3
TA 117, 118 Technical Theatre	8
TA 215 Acting I	3
TA 216 Acting II	3
TA 231 Major Production Participation	2
TA 233 Stage Voice	2
TA 234 Stage Voice	2
TA 311 Advanced Acting	3
TA 331 Major Production Participation	2
TA 341, 342 World Drama	6
TA 401 Directing	3

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Theatre Arts, Performance Option (continued)

TA 421, 422 Theatre History	6
TA 445 Contemporary Theatre	3
*Required each semester of every theatre arts major.	
Dramatic literature course	3
Upper-division electives to total 40 credits	14
Electives to total 128 credits	23
Total	128

NOTE: The department recommends that theatre arts majors take GE 108 Reading and Study Skills and one year of foreign language.

Theatre Arts, Design Option Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
AR 103 Intro to Art **OR**	3
MU 133 Intro to Music	
TA 107 Introduction to Theatre	3
Area I core course in literature	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
HY 101 History of Western Civilization	3
HY 102 History of Western Civilization	3
Area II core course in a second field	3
Area II core course in a third field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
*TA 010 Theatre Symposium	0
TA 105 Play Analysis	3
TA 117, 118 Technical Theatre	8
TA 215 Acting I	3
TA 231 Major Production Participation	2
TA 331 Major Production Participation	2
TA 341, 342 World Drama	6
TA 351 Elements of Scene Design	3
TA 352 Costume Design	3
TA 362 Stage Lighting Design	3
TA 401 Directing	3
TA 421, 422 Theatre History	6
TA 445 Contemporary Theatre	3
*Required each semester of every theatre arts major.	
Dramatic literature course	3
Upper-division electives to total 40 credits	8
Electives to total 128 credits	30
Total	128

NOTE: The department recommends that theatre arts majors take GE 108 Reading and study skills and one year of foreign language.

Theatre Arts, Dramatic Writing Option Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
AR 103 Intro to Art **OR**	3
MU 133 Intro to Music	
TA 107 Introduction to Theatre	3
Area I core course in literature	3
Area I core course in any field	3

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Theatre Arts, Dramatic Writing Option (continued)	
Area II — see page 41 for list of approved courses	
HY 101 History of Western Civilization	3
HY 102 History of Western Civilization	3
Area II core course in a second field	3
Area II core course in a third field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
*TA 010 Theatre Symposium	0
TA 105 Play Analysis	3
TA 117, 118 Technical Theatre	8
TA 215 Acting I	3
TA 231 Major Production Participation	2
TA 233 Stage Voice	2
TA 331 Major Production Participation	2
TA 340 Playwriting	3
TA 341, 342 World Drama	6
TA 350 Screenwriting	3
TA 401 Directing	3
TA 421, 422 Theatre History	6
TA 445 Contemporary Theatre	3
*Required each semester of every theatre arts major.	
Dramatic literature course	3
Upper-division electives to total 40 credits	11
Electives to total 128 credits	28
Total	128
NOTE: The department recommends that theatre arts majors take GE 108 Reading and Study Skills and one year of foreign language.	

Theatre Arts, Directing Option
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
AR 103 Intro to Art **OR**	3
MU 133 Intro to Music	
TA 107 Introduction to Theatre	3
Area I core course in literature	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
HY 101 History of Western Civilization	3
HY 102 History of Western Civilization	3
Area II core course in a second field	3
Area II core course in a third field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
*TA 010 Theatre Symposium	0
TA 105 Play Analysis	3
TA 117, 118 Technical Theatre	8
TA 215 Acting I	3
TA 216 Acting II	3
TA 231 Major Production Participation	2
TA 233 Stage Voice	2
TA 331 Major Production Participation	2
TA 341, 342 World Drama	6
TA 351 Elements of Scene Design	3
TA 401 Directing	3
TA 402 Directing	3

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Theatre Arts, Dramatic Writing Option (continued)	
TA 421, 422 Theatre History	6
TA 445 Contemporary Theatre	3
*Required each semester of every theatre arts major.	
Dramatic literature course	3
Upper-division electives to total 40 credits	14
Electives to total 128 credits	22
Total	128
NOTE: The department recommends that theatre arts majors take GE 108 Reading and Study Skills and one year of foreign language.	

Theatre Arts, Secondary Education
Bachelor of Arts

Course Number and Title	Credits
E 101, 102 English Composition	6
Area I — see page 41 for list of approved courses	
AR 103 Intro to Art **OR**	3
MU 133 Intro to Music	
TA 107 Introduction to Theatre	3
Area I core course in literature	3
Area I core course in any field	3
Area II — see page 41 for list of approved courses	
HY 101 History of Western Civilization	3
HY 102 History of Western Civilization	3
TE 201 Foundations of Education	3
Area II core course in a third field	3
Area III — see page 41 for list of approved courses	
Area III core course in one field	4
Area III core course in a second field	4
Area III core course in any field	4
E 345 or 346 Shakespeare	3
*TA 010 Theatre Symposium	0
TA 105 Play Analysis	3
TA 117, 118 Technical Theatre	8
TA 212 or 412 Movement and Dance for Performance Art	3
TA 215, 216 Acting I, II	6
TA 231, 331 Major Production Participation	4
TA 233 Stage Voice	2
TA 318 Methods of Teaching Secondary School Theatre	2
TA 341 World Drama	3
TA 351 Elements of Scenic Design	3
TA 401, 402 Directing	6
TA 421 or 422 Theatre History	3
TA 440 Theatre Management	3
*Required each semester of every theatre arts major.	
Theatre art course	3
Chosen from TA 162, TA 352, or TA 362.	
TE 172 Intro Secondary Teach: Classroom Observation	1
TE 208 Educational Technology – Classroom Applications	3
TE 225 Educational Psychology	3
TE 333 Education of Exceptional Secondary Students	1
TE 381 Secondary School Methods	3
TE 407 Content Literacy for Secondary Students with Diverse Learning Needs	3
TE 483 Senior High School Student Teaching	10
Electives to total 128 credits	11
Total	128
NOTE: Completion of all requirements for graduation with a secondary education option may require more than 128 credit hours. See "Teacher Education" for more information.	

Theatre Arts Minor	
Course Number and Title	**Credits**
TA 117 Technical Theatre	4
TA 215 Acting I	3
TA 118 Technical Theatre **OR**	3-4
TA 216 Acting II	
TA 231, 331 Major Production Participation	3-4
TA 341 or 342 World Drama	3
TA 401 Directing	3
Total	20

English Minor for Theatre Arts	
Course Number and Title	**Credits**
*Lower-division literature courses *This requirement cannot be fulfilled by E 297 Special Topics courses.	9
One of the following: E 201 Nonfiction Writing E 205 Poetry Writing E 206 Fiction Writing	3
E 345 Shakespeare: Tragedies and Histories	3
E 346 Shakespeare: Comedies and Romances	3
Upper-division electives other than English department drama courses	6
Total	24
Secondary education option: See recommended minor listed in this catalog under the Department of English heading.	

Course Offerings

See page 53 for a definition of the course-numbering system.

TA THEATRE ARTS

Lower Division

TA 010 THEATRE SYMPOSIUM (no credit) (F/S). A forum for the presentation and discussion of appropriate theatre-related topics and activities. Class meets weekly. Required of all full-time theatre arts majors each semester, but open to any person. Theatre arts majors may miss no more than four sessions in one semester.

TA 105 PLAY ANALYSIS (3-0-3) (F/S). Analysis of plays, both modern and historical, to provide tools for the student to read a text critically and creatively for use in production.

TA 107 INTRODUCTION TO THEATRE (3-0-3) (Area I) [THEA 101]. A survey course designed to stimulate an appreciation of drama and allied art forms, through the study of the history of theatre, dramatic literature, and production techniques.

TA 112 BALLET I (0-3-1). A beginning/intermediate classical ballet technique class designed to further develop the dancer's ballet technique and movement vocabulary, in addition to improving strength, flexibility, and correct body alignment. May be repeated for a maximum of four credits. PREREQ: FA 121 or PERM/INST.

TA 117-118 TECHNICAL THEATRE (3-4-4) (F/S). Provides the student with a practical knowledge and skill in the principles of the technical aspects of theatre; the mechanical characteristics of the stage and the elements used in productions, development of drafting skills, problem-solving in staging, and the rudiments of lighting and design. Three hours of lecture plus four hours of lab per week required.

TA 162 STAGE MAKE-UP (3-0-3) (F). Investigation and production analysis of stage makeup; the relationship of actor to play and audience, an integration of make-up, and other technical aspects that influence this particular art. Practical application emphasized.

TA 205 MEN'S BALLET TECHNIQUE (0-2-1) (S). Emphasis is on body strengthening necessary to accomplish male-oriented ballet technique. Focuses on the jumps, turns, and gran allegro required of male dancers in a classical and contemporary repertoire. May be repeated for credit. PREREQ: FA 121 or PERM/INST.

TA 210, 410 REPERTORY DANCE (0-3-1) (F/S). A beginning choreography class for the creatively inclined dance student. The class is designed to give the student an opportunity to work with a professional choreographer to learn methods of choreography, to rehearse, and to prepare for performance. The student will be required to choreograph a dance piece during the semester. May be repeated once on each level for credit.

TA 212, 412 MOVEMENT AND DANCE FOR THE PERFORMING ARTIST (3-0-3). This course is designed to increase a student's capacity and versatility for movement that may be required in all types of theatrical productions. A large amount of material is covered including the basics of: body awareness, strengthening and stretching, partnership, tap, musical theatre, fight choreography, turning, Elizabethan dance, fencing, polkas, waltzes, mazurkas, working with props, and movement studies reflecting character and situation.

TA 213 BALLET II (0-3-1) (F/S). An intermediate classical ballet technique class designed to follow TA 112 Ballet I. May be repeated for a maximum of four credits. PREREQ: TA 112 or PERM/INST.

TA 215 ACTING I (3-0-3) (F/S). Beginning level exploration and development of the fundamental creative, physical, and analytical skills of acting. Participation in numerous exercises focusing on the elements of the Method of Physical Action– vocal and physical responsiveness, objectives, concentration of attention, the Magic "If," communion, sustaining truth and belief, adjusting to obstacles– required. The study of basic acting terminology and theory will be augmented by writing assignments and selected reading.

TA 216 ACTING II (3-0-3) (F). Intermediate acting study based on the continued exploration of the elements of physical action and their application to scene work. Class exercises and scenes will reinforce the development of basic acting tools learned in TA 215 and will introduce methods of analyzing dramatic events, actions, characters, relationships and environments. Preparation and performance of various scenes will be augmented by writing assignments and selected reading. Concurrent enrollment in TA 233 required for theatre arts majors. PREREQ: TA 105 and TA 215, or PERM/INST.

TA 220 CINEMA: HISTORY AND AESTHETICS (3-0-3). An examination of the beginnings and development of motion pictures with attention given to the qualities peculiar to cinema which give it validity as a unique art form.

TA 231, 331 MAJOR PRODUCTION PARTICIPATION (2-0-1) . Significant participation in a major college production in some phases of technical theatre, acting, or management. One hour of credit allowed per semester; maximum 4 credit hours.

TA 233 STAGE VOICE I (2-1-2) (F/S). An exploration of basic vocal techniques. Students learn vocal anatomy, relaxation techniques and a series of exercises designed to improve breath control, resonance, energy, and vocal range. These skills will be applied to a variety of texts to achieve an appreciation of the flexibility of the voice and its ability to respond to language and imagery.

TA 234 STAGE VOICE II (2-1-2) (F/S). Basics of articulation with work on the articulatory mechanisms and individual American English speech sounds through the International Phonetic Alphabet. Work on specific interpretive techniques of operative word identification and scoring. Speech skills will be applied to works of various poets and playwrights. PREREQ: TA 233 or PERM/INST.

TA 287 CHILDREN'S THEATRE (3-0-3) (F). An examination of the literature, theory, and history of theatre for children. Includes practical participation in an on-campus production of a play for children.

TA 288 TOURING CHILDREN'S THEATRE (3-0-3) (S). A concentrated study of the history and techniques of producing theatre for children. Specific emphasis on a single script selected for production and off-campus touring to local elementary schools.

Upper Division

TA 311 ADVANCED ACTING (3-0-3) (F/S). Designed to offer continual "on-feet" scene study with particular emphasis upon characterization, the interaction of characters, and the further exploration of circumstances, properties, and environments. Scene projects will be drawn from the modern drama. Class projects will be augmented by writing assignments and selected reading, including play and character analysis.Concurrent enrollment in TA 234 required for theatre arts majors PREREQ: TA 215 and 216, or PERM/INST.

TA 314 BALLET III (0-6-2) (F/S). An advanced classical ballet technique class designed as a follow to TA 213, Ballet II. The class is designed for the serious, advanced student and demands rigorous discipline. A comprehensive barre is followed by center work that covers adagio, pirouettes, petite allegro, gran allegro, etc. Admission to class by permission of instructor. May be repeated for a maximum of eight credits. PREREQ: PERM/INST.

TA 316 ADVANCED POINTE TECHNIQUE CLASS (0-3-1) (F/S). Pointe technique class for the advanced ballet dancer. Emphasis is on strengthening the feet and perfecting the ballet technique imperative for performing a classical repertoire. PREREQ: TA 314 or PERM/INST. May be repeated for credit.

TA 318 METHODS OF TEACHING SECONDARY SCHOOL THEATRE (2-0-2) (S) (Odd years). Study of methods of teaching acting, play structure, and theatre production at the secondary level. Twenty hours of directed observation required. PREREQ: TA 105, TA 216, TA 212 or TA 412.

TA 335 STAGE VOICE (2-0-2) (F/S). Advanced dialects and "character" voices. Interpretative work on vocal reaction in scene studies, verse drama, and Shakespeare. Final overview and individual analysis. PREREQ: TA 234 or PERM/INST.

TA 340 PLAYWRITING (3-0-3) (F). Experience in creating a play script for the theatre, culminating in the construction and staged reading of an original one-act. May be repeated for credit.

TA 341 WORLD DRAMA 500 BC-1642 (3-0-3) (F). Study of outstanding selections of dramatic literature. The plays are studied from a theatrical point of view, i.e., they are approached as scripts intended for production as well as examples of literary form.

TA 342 WORLD DRAMA 1642-1960 (3-0-3) (S). Study of outstanding selections of dramatic literature. The plays are studied from a theatrical point of view, i.e., they are approached as scripts intended for production as well as examples of literary form.

TA 350 SCREENWRITING (3-0-3) (S). Creating a premise, synopsis, treatment, and first draft of a full-length feature screenplay. May be repeated once for credit.

TA 351 ELEMENTS OF SCENIC DESIGN (3-0-3) (S) (Even years). Major skills of beginning design. Included will be art techniques for the theatre, research in periods of scenic design, examination of designers' works, and practical experience in designing for various types of stages. PREREQ: TA 117-118.

TA 352 COSTUME DESIGN (3-0-3) (S) (Odd years). Skills of beginning costume design, including techniques for theatre, research in periods of costume design, examination of major costume designers' works, and practical experience in designing for all manner of productions. PREREQ: TA 117-118.

TA 362 STAGE LIGHTING DESIGN (3-0-3) (F) (Even years). A study of the theories, principles and practices of stage lighting including both aesthetic conception and practical application. Script analysis and lighting theory applied to actual designs for various stages and productions. PREREQ: TA 117-118.

TA 401-402 DIRECTING (3-0-3). Basic theory and techniques of stage directing. Includes the direction of scenes and one-act plays. Special problems of directing are presented. PREREQ: Upper-division standing.

TA 415 ACTING STYLES (3-0-3) (S) (Odd years). This studio course is a concentrated study in acting styles; scene work from Shakespeare, Restoration, Moliere, and absurdists. May be repeated for credit. PREREQ: TA 215, TA 216 and TA 311.

TA 421-422, 421G-422G THEATRE HISTORY (3-0-3) (F/S). Investigation of the periods of major importance in the development of theatre. The first semester will include the period from 800 BC through Elizabethan; the second semester, from the Elizabethan period through mid-20th century.

TA 440 THEATRE MANAGEMENT (3-0-3) (F) (Even years). Operational procedures for high school, university, community, and professional theatre. Includes consideration of organization, personnel, budgeting, purchasing, accounting, ticket sales, publicity, audience development, house management, and season development.

TA 445 CONTEMPORARY THEATRE (3-0-3) (S) (Alternate years). A study of world theatre and drama since 1960 with an emphasis on current research materials and techniques.

TA 491 SENIOR PROJECTS (0-6-3) (F/S). The student will prepare and execute a major creative task in theatre. The student will completely research, plan, and execute a theatrical endeavor relative to his emphasis in theatre, culminating with a formally written evaluation of the entire experience. The project, upon completion, will be evaluated and graded by every appropriate faculty member. PREREQ: PERM/CHAIR.

Veterinary Studies, Pre-Professional Program — see Department of Health Studies

Interdisciplinary Minor in Women's Studies

Library, Room 171B Telephone 208 385-3409
Information: Patricia Dorman
OR
Library, Room 107A Telephone 208 385 1626
Information: Beverly Miller

Program Statement

Students may earn an interdisciplinary, upper-division minor in women's studies. To do so, they must complete 9 credits hours of specified core courses in women's studies. In addition, students must complete 12 credit hours of approved elective courses in women's studies, offered by various departments and listed each semester in the *BSU Directory of Classes*. Multicultural and interdisciplinary in perspective, the course work in women's studies seeks to recognize the diversity of human experience. Students examine the experience of women and concepts of gender within different ethnic and economic contexts through the study of scholarship and creative works drawn from various fields. Thus, the course work seeks to provide students with essential preparation for lives and careers deeply affected by changing gender concepts.

Minor in Women's Studies

Course Number and Title	Credits
WS 300 Introduction to Women's Studies	3
WS 301/SO 471 Feminist Sociological Theory	3
WS 302 Feminist Research Methods and Perspectives	3
*Approved elective courses CM 485 Studies in the Inter-relationship Between Gender and Communication, E 412/412G Women Writers, HY 340 Women in American from the Colonial Era to the Present, P 371 Social Psychology of Sex Roles, SO 481 Sociology of Gender and Aging	12
Total	21

*The student will select these elective credits from a list approved by the committee. These approved elective courses will be offered by various departments within the university and will be cross-listed as women's studies courses. No more than 6 hours total of independent study, internship, practica, or workshop may apply toward the women's studies minor.

Course Offerings

See page 53 for a definition of the course-numbering system.

WS WOMEN'S STUDIES

WS 300 INTRODUCTION TO WOMEN'S STUDIES (3-0-3) (F/S). An interdisciplinary, multicultural introduction to Women's Studies that provides the foundation for further study. The course draws selectively from the scholarship and creative work of various fields to examine how concepts of gender shape lives, personal relationships, and social institutions. In recognition of the diversity of women's experiences and of gender issues, course materials will be studied from a multicultural perspective across lines of class, race, and ethnicity.

WS 301 (SO 471) FEMINIST SOCIOLOGICAL THEORY (3-0-3) (F/S). An examination of the major types of feminist theory in sociology, or theory directly useful to sociologists in search of understanding and explaining gender relations. The student will encounter new perspectives in sociology that arise from the exchange of new ideas, new data, exciting possibilities for social change and the emergence of new theoretical models to understand gender relations. PREREQ: Upper-division standing. This course may be taken for WS or SO credit but not both.

WS 302 FEMINIST RESEARCH METHODS AND PERSPECTIVES (3-0-3) (F/S). This course will examine the practical problems of researching and writing about women, with an emphasis on acquainting students with use of the major bibliographic sources and services in women's studies. Goals of the class will be: (a) to develop an understanding of the differences between research about and for women, and the ways in which both models and methodology can be gendered; (b) to develop criteria for feminist analysis and critique of data and documents; (c) to provide students with skills which will enable them to bridge the gap between subjective experience and scholarly endeavors. Special attention will be paid to the particular problems of feminist research: when secondary sources become primary sources; the characteristics and history of the feminist press; the relationship between popular and scholarly writing; and the possibilities presented by electronic access systems.

Zoology — see Department of Biology

Applied Technology Programs

Program offerings are dependent upon sufficient student interest and availability of instructors.

Apprenticeship Program

The associate of applied science degree for apprentices is a technical degree with emphasis on technical content and supervised, on-the-job experience. All related course work and on-the-job experience (except the general education requirements) are graded pass or fail.

To be eligible for this program, students must be registered with the Larry G. Selland College of Applied Technology and the Bureau of Apprenticeship and Training, U.S. Department of Labor. After completion of at least 544 hours in related course work and 8000 hours on-the-job instruction has been verified by the Bureau of Apprenticeship and Training and the Larry G. Selland College of Applied Technology, a transcript listing the student's course work and area of specialty is forwarded to the registrar; this information is then listed on an official BSU transcript.

This program normally requires four years to complete. Special fees apply to this program.

Students interested in this program should contact the Larry G. Selland College of Applied Technology Technology, Outreach Division, Technical Services Building, Room 105, telephone 208 385-1974.

Apprenticeship Program
Associate of Applied Science

Course Number and Title	Credits
AP 101 Apprenticeship Training Technology	56
2 courses selected from CM 111, CM 131, CM 221, E 101, E 102, E 202, MM 101, or MM 209	6
2 courses selected from EC 205, EC 206, GE 115, GB 101, MM 201, MM 203, P 101, SO 101, or SO 102	6
Total	68

The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.

Course Offerings

See page 53 for a definition of the course-numbering system.

AP APPRENTICESHIP

AP 101 APPRENTICESHIP TRAINING TECHNOLOGY (544-0-8000-56). This program provides the student with related instruction and supervised, on-the-job experience. Content of the related instruction provides the student with the technical support course work needed to function on the job. The on-the-job experience is located at work sites (union and non-union) approved by the Bureau of Apprenticeship and Training, U.S. Department of Labor. PREREQ: Registered with the Larry G. Selland College of Applied Technology and the Bureau of Apprenticeship and Training.

Auto Body (11-Month Program)

Instructor: Parke

The Auto Body Program provides students with the basic skills necessary for employment in the auto body trade and closely related crafts. Training includes auto body theory; welding (plastics, braze, mild steel, wire feed); painting (lacquer, acrylic enamel, urethane, blending, matching); metal working (repair, replace, shrinking); frame alignment and repair; and repair of new cars (UniCoupe Repair and UniCoupe Bench Systems). A technical certificate is issued upon satisfactory completion of the program.

Auto Body
Technical Certificate

Course Number and Title	Credits
AB 101 Auto Body Laboratory	7
AB 102 Auto Body Laboratory	7
AB 103 Auto Body Laboratory	8
AB 151 Auto Body Theory	2
AB 152 Auto Body Theory	3
AB 161 Auto Body Theory	2
AB 162 Auto Body Theory	3
AB 171 Auto Body Theory	2
AB 180 Occupational Relationships	3
AB 181 Auto Body Theory	2
AB 182 Introduction to Microcomputers	1
AB 191 Auto Body Theory	2
Total	42

Course Offerings

See page 53 for a definition of the course-numbering system.

AB AUTO BODY

AB 101 AUTO BODY LABORATORY (1-14-0-7) (F/S). Basic auto body skills, orientation of shop and equipment, welding of thin-gauge sheet metal, wire feed oxyacetylene, basic metal roughing and finishing skills, metal grinding, applications of plastic bond repairs, basic priming, sanding skills, and painting techniques (lacquers, enamels, etc.).

AB 102 AUTO BODY LABORATORY (1-14-0-7) (F/S). Skills in advanced collision damage (panel replacement, bench collision repair, and unitized collision repair), or experience in advanced painting skills (base/coat, blending, epoxy primers, paint complete, and painted and tape stripes) and lacquer, enamels, and urethane painting.

AB 103 AUTO BODY LABORATORY (1-15-0-8) (SU). Student to continue practicing basic skills or advanced skills in preparing for the work force (early out, on-the-job training).

AB 151 AUTO BODY THEORY (2-1-0-2) (F/S). Orientation of tools, safety, shop procedures, and industry needs and standards.

AB 152 AUTO BODY THEORY (3-1-0-3) (F/S). Advanced polishing of paints, paint skills in base/coat-clear/coat, blending, paint matching techniques, sealers, and special coatings.

AB 161 AUTO BODY THEORY (2-1-0-2) (F/S). Mild steel, brazing, wire feed welding on car sheet metals, basic oxyacetylene, MIG welding, plasma air arc cutting, equipment, tools and safety.

AB 162 AUTO BODY THEORY (3-1-0-3) (F/S). Advanced theory skills in minor collision damage, major bench repair techniques, panel replacement, and rubber panel repair.

AB 171 AUTO BODY THEORY (2-1-0-2) (F/S). Basic theory in metal finishing and minor body damage using plastic body fillers, roughing metal and grinding sheet metals, sandpapers, sanding techniques of plastic fillers, and air tools.

AB 180 OCCUPATIONAL RELATIONS (3-1-0-3) (F/S). Classroom and laboratory activities to become skilled in dealing effectively with customers and for applying, getting, maintaining, and advancing in employment.

AB 181 AUTO BODY THEORY (2-1-0-2) (F/S). Car and light truck body alignments, glass removal, door, hood, and trunk alignments, estimating paint damage, and estimating collision damage.

AB 182 INTRO TO MICROCOMPUTERS (1-1-0-1) (F/S). Microcomputer skills related to the mechanical technology field. Students are introduced to disk operating systems (DOS) and word processing to prepare their resumes and reports.

AB 191 AUTO BODY THEORY (2-1-0-2) (F/S). Basic theory in car polishing, paint surface cleaning, interior and exterior detailing, and shop management.

Automated Industrial Technician (20-Month Program)

This double-major option combines the industrial mechanics/automation and welding/metal fabrication curriculums.

Automated Industrial Technician Advanced Technical Certificate

Course Number and Title	Credits
IM 101 Maintenance Welding Technology	3
IM 102 Maintenance Machine Fundamentals	3
IM 114 Electromechanical Systems	3
IM 115 Electromechanical Systems	3
IM 124 Basic Fluid Power Operations– Hydraulics	3
IM 125 Basic Fluid Power Operations– Pneumatics	3
IM 134 Industrial Mechanical Laboratory	5
IM 135 Industrial Mechanical Laboratory	6
IM 262 Occupational Relationships **OR** W 262 Occupational Relationships	3
TS 111 Applied Communications	3
TS 130 Mechanical Math	1
W 106 Welding Laboratory	8
W 107 Welding Laboratory	8
W 108 Welding Lecture/Laboratory	7
W 125 Blueprint Reading and Layout	3
W 126 Blueprint Reading and Layout	7
W 155 Welding Theory	4
W 156 Welding Theory	1
W 157 Introduction to Microcomputers	1
Total	75

See "Industrial Maintenance Technology", "Technical Support", and "Welding and Metals Fabrication" for detailed course descriptions.

Automated Industrial Technician Associate of Applied Science

Course Number and Title	Credits
IM 101 Maintenance Welding Technology	3
IM 102 Maintenance Machine Fundamentals	3
IM 114 Electromechanical Systems	3
IM 115 Electromechanical Systems	3
IM 124 Basic Fluid Power Operations– Hydraulics	3
IM 125 Basic Fluid Power Operations– Pneumatics	3
IM 134 Industrial Mechanical Laboratory	5
IM 135 Industrial Mechanical Laboratory	6
IM 262 Occupational Relationships **OR** W 262 Occupational Relationships	3
TS 111 Applied Communications	3
TS 130 Mechanical Math	1
W 106 Welding Laboratory	8
W 107 Welding Laboratory	8
W 108 Welding Lecture/Laboratory	7
W 125 Blueprint Reading and Layout	3
W 126 Blueprint Reading and Layout	7
W 155 Welding Theory	4
W 156 Welding Theory	1
W 157 Introduction to Microcomputers	1
1 course chosen from CM 111, CM 131, CM 221, E 101, E 102, MM 101, or MM 209.	3

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Autommated Industrial Technician (continued)

1 course chosen from EC 205, EC 206, GB 101, GE 115, MM 201, MM 203, P 101, SO 101, or SO 102.	3
Total	81

See "Industrial Maintenance Technology", "Technical Support", and "Welding and Metals Fabrication" for detailed course descriptions.
The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.

Automotive Technology (9-Month or 2-Year Program)

Instructors: Brownfield, Doughty, Gaines, Hall.

Boise State University's Automotive Technology Program covers diagnosis, service, and repair of automobiles and light trucks. Students are offered entry into the program at the beginning of fall and spring semesters, depending on available seating as determined by the instructor. Prerequisite: core block mechanics program or the equivalent.

The Automotive Technology Program is a two-part program. The first-year program covers general principles and specific product information. Laboratory work emphasizes a hands-on orientation with extensive training on functional vehicles. In all cases, courses are oriented toward high levels of technical understanding to provide the skills needed for employment. In addition to specific technical training, supporting courses enable students to develop interpersonal and other skills needed to advance within the automotive service industry. Students wanting only to complete the first-year program can receive a technical certificate.

In addition to advanced technical theory in the classroom, the second-year program offers laboratory work in a practicum agreement with local dealerships, independent garages, and specialty shops. as well as advanced technical theory in the classroom.

The Automotive Technology Program is fully accredited by the National Automotive Technicians Education Foundation (NATEF) and the instructors are master technicians certified by Automotive Service Excellence (ASE).

Automotive Technology Technical Certificate

Course Number and Title	Credits
AM 200 Two and Four Wheel Alignment	2
AM 205 Automatic Transmission/Transaxle	3
AM 210 Engine Performance	3
AM 220 Automotive Brake System	3
AM 240 Auto Electrical Systems	4
AM 245 Engine Repair	4
AM 250 Manual Transmission and Differential Repair	3
CB 101 Introduction to Mechanics	1
CB 105 Introduction to Engines	1
CB 109 Basic Electricity and Electronics	1
CB 113 Chassis and Brake Systems	1
CB 117 Vehicle and Equipment Maintenance	1
CB 121 Basic Welding and Metal Work	1
CB 125 Occupational Relations	3
CB 129 Introduction to Microcomputers	1
TS 111 Applied Communications	3
TS 130 Mechanical Math	1
Total	36

See "Core Block Courses" and "Technical Support Courses" for course descriptions.

Automotive Technology
Advanced Technical Certificate

Course Number and Title	Credits
AM 200 Two and Four Wheel Alignment	2
AM 205 Automatic Transmission/Transaxle	3
AM 210 Engine Performance	3
AM 215 Suspension and Steering Controls	2
AM 220 Automotive Brake Systems	3
AM 230 Engine Performance Diagnostics	2
AM 240 Automotive Electrical Systems	4
AM 245 Engine Repair	4
AM 250 Manual Transmission and Differential Repair	3
AM 255 Automotive Heating and Air Conditioning	2
AM 256 Advanced Engine Repair	4
AM 257 Advanced Engine Performance	4
AM 258 Advanced Transmission and Transaxles	4
AM 259 Advanced Alignment Systems	4
AM 260 Advanced Auto Electrical Systems	4
CB 101 Introduction to Mechanics	1
CB 105 Introduction to Engines	1
CB 109 Basic Electricity and Electronics	1
CB 113 Chassis and Brake Systems	1
CB 117 Vehicle and Equipment Maintenance	1
CB 121 Basic Welding and Metal Work	1
CB 125 Occupational Relations	3
CB 129 Introduction to Microcomputers	1
TS 111 Applied Communications	3
TS 130 Mechanical Math	1
Total	62

See "Core Block Courses" and "Technical Support Courses" for course descriptions.

Automotive Technology
Associate of Applied Science

Course Number and Title	Credits
AM 200 Two and Four Wheel Alignment	2
AM 205 Automatic Transmission/Transaxle	3
AM 210 Engine Performance	3
AM 215 Suspension and Steering Controls	2
AM 220 Automotive Brake Systems	3
AM 230 Advanced Engine Diagnostics	2
AM 240 Automotive Electrical Systems	4
AM 245 Engine Repair	4
AM 250 Manual Transmission and Differential Repair	3
AM 255 Automotive Heating and Air Conditioning	2
AM 256 Advanced Engine Repair	4
AM 257 Advanced Engine Performance	4
AM 258 Advanced Transmissions and Transaxles	4
AM 259 Advanced Alignment Systems	4
AM 260 Advanced Auto Electrical Systems	4
CB 101 Introduction to Mechanics	1
CB 105 Introduction to Engines	1
CB 109 Basic Electricity and Electronics	1
CB 113 Chassis and Brake Systems	1
CB 117 Vehicle and Equipment Maintenance	1
CB 121 Basic Welding and Metal Work	1
CB 125 Occupational Relations	3
CB 129 Introduction to Microcomputers	1
TS 111 Applied Communications	3
TS 130 Mechanical Math	1
1 course chosen from CM 111, CM 131, CM 221, E 101, E 102, E 202, MM 101, or MM 209	3

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Automotive Technology, Associate of Applied Science (continued)

1 course chosen from EC 205, EC 206, GB 101, GE 115, MM 201, MM 203, MM 121, P 101, SO 101, or SO 102	3
Total	68

See "Core Block Courses" and "Technical Support Courses" for course descriptions.
The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.

Course Offerings

See page 53 for a definition of the course-numbering system.

AM AUTO TECHNOLOGY

AM 200 TWO AND FOUR WHEEL ALIGNMENT (1-3-0-2) (F/S). Theory and practice of two and four wheel alignment, wear identification, and front-end rebuilding. PREREQ: Core block.

AM 205 AUTOMATIC TRANSMISSION/TRANSAXLE (1-5-0-3) (F/S). Fundamentals of automatic transmissions and transaxle design features, including the function, servicing, diagnosis, troubleshooting, and proper removal, adjustment, installation and testing procedures. PREREQ: Core block.

AM 210 ENGINE PERFORMANCE (1-5-0-3) (F/S). Design and repair of conventional and electronic ignition systems, fuel delivery systems, carburetor, fuel injection, computer-controlled ignition, and fuel systems. The use of scopes and testing equipment will be emphasized. PREREQ: Core block.

AM 215 SUSPENSION AND STEERING CONTROLS (1-3-0-2) (F/S). Theory and operation of suspension and steering systems, including linkage, rack and pinion, and power steering, leaf and coil springs, struts and control arms. PREREQ: Core block.

AM 220 AUTOMOTIVE BRAKE SYSTEMS (1-5-0-3) (F/S). Theory and practice of automotive brake systems inspection, maintenance, and repair will be covered, including shoe and pad replacement, drum and rotor machining, and rebuilding of wheel, caliper and master cylinder, and power brake units. PREREQ: Core block.

AM 230 ADVANCED ENGINE DIAGNOSTICS (1-3-0-2) (F/S). Advanced diagnostic equipment to troubleshoot and repair automobile performance, with emphasis placed on electrically related problems. PREREQ: Core block.

AM 240 AUTOMOTIVE ELECTRICAL SYSTEMS (1-6-0-4) (F/S). Identification and use of basic automotive electronic test equipment, basic automotive electronic theory, testing, and troubleshooting, and rebuilding of starter motors, charging systems, and electronic ignition systems. The theory and testing of computer command control systems will also be covered. PREREQ: Core block.

AM 245 ENGINE REPAIR (1-6-0-4) (F/S). Engine design, engine disassembly, parts evaluation, parts repair and replacement and proper disassembly techniques, parts evaluation, and proper assembly. PREREQ: Core block.

AM 250 MANUAL TRANSMISSION AND DIFFERENTIAL REPAIR (1-5-0-3) (F/S). Transmission and differential design, proper disassembly techniques, parts evaluation, and proper assembly. PREREQ: Core block.

AM 255 AUTOMOTIVE HEATING AND A IR COND ITIONING (1-3-0-2) (F/S). Principles and design of the heating and air conditioning system used in today's automobiles, and teaches the student troubleshooting and repair techniques. PREREQ: Core block.

AM 256 ADVANCED ENGINE REPAIR (1-6-0-4) (F/S). Advanced engine repair principles and concepts in diagnosis, disassembly, inspection, repair, and assembly of domestic and foreign car engines.

AM 257 ADVANCED ENGINE PERFORMANCE (1-6-0-4) (F/S). Advanced principles and concepts in the diagnosis of problems and adjustment of vehicle computer control systems.

AM 258 ADVANCED AUTOMATIC TRANSMISSIONS AND TRANSAXLES (1-6-0-4) (F/S). Advanced automatic and manual transmission principles and concepts in diagnosis, disassembly, inspection, repair, and assembly of domestic and foreign car automatic and manual transmissions.

AM 259 ADVANCED ALIGNMENT SYSTEMS (1-6-0-4) (F/S). Advanced wheel alignment and brake system principles and concepts in the diagnosis and repair problems of two- and four-wheel drive vehicles utilizing computerized equipment.

AM 260 ADVANCED AUTO ELECTRICAL SYSTEMS (1-6-0-4) (F/S). Advanced electrical systems principles and concepts in the diagnosis and repair of electrical problems utilizing computerized testing equipment.

Broadcast Technology (2-Year Program)

Instructors: Hogan, Kjellander, Lentz, Paluzzi.

The associate of applied science in broadcast technology prepares technicians to operate and maintain broadcast audio and video equipment in the context of broadcast station operations. Additionally, these technicians develop competencies in multi-track recording technology, satellite uplink technology, studio facilities design and construction, electronic field production, videotape technology, broadcast operations, broadcast technology management, and broadcast equipment maintenance. Finally, through opportunities offered by internship programs, these technicians develop a realistic understanding of professional work ethics under actual working conditions.

Broadcast Technology
Associate of Applied Science

Course Number and Title	Credits
BR 101 Introduction to Broadcast Technology	3
BR 103 Broadcast Technology Regulation	3
BR 111 Introduction to Audio Technology	4
BR 113 Introduction to Video Technology	4
BR 121 Broadcast Operations	4
BR 211 Advanced Audio Theory	4
BR 217 Electronic Field Production	4
BR 221 Broadcast Facilities Maintenance	4
BR 231 Multimedia Broadcast Technology	4
BR 293 Broadcast Technology Internship	4
CM 111 Fundamentals of Speech Communication	3
CM 221 Interpersonal Communication **OR**	3
CM 231 Public Speaking	
E 101 English Composition	3
EN 102 Computer Fundamentals for Technology	3
MG 301 Management and Organizational Theory	3
MN 121 AC/DC Theory	3
MN 231 Technical Physics	4
P 101 General Psychology	3
TS 139 Technical Math VI	3
Total	66

The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.

Course Offerings

See page 53 for a definition of the course-numbering system.

BR BROADCAST TECHNOLOGY

BR 101 INTRODUCTION TO BROADCAST TECHNOLOGY (3-0-0-3) (F). Survey of the technology used to disseminate programming through telecommunications systems, including terrestrial and satellite transmissions systems, CATV, and production technology. Course includes an overview of broadcast technology professionals.

BR 103 BROADCAST TECHNOLOGY REGULATION (3-0-0-3) (S). Examination of the regulatory function of the Federal Communications Commission as it pertains to broadcast technology, including construction and licensing regulations, emergency broadcast systems, license renewal, public records, and adjudication procedures. Study of FCC technical parameters for broadcast operations.

BR 111 INTRODUCTION TO AUDIO TECHNOLOGY (3-4-0-4) (F). Study of audio theory and systems used in broadcasting, including acoustics, signal-to-noise ratios, microphone design and utilization, audio console design and operation, tape and tape recorders, and editing.

BR 113 INTRODUCTION TO VIDEO TECHNOLOGY (3-4-0-4) (S). Study of video theory and systems used in broadcasting, including camera design and operation, studio design and lighting, video switchers, television graphics, telecine, videotape and recorders, video editing, and audio for television. COREQ: MN 121.

BR 121 BROADCAST OPERATIONS (3-4-0-4) (S). Theory and practice of master control operations for radio and television, including master control switching, character generators, audiotape and videotape recorder operations, time-based correction, camera operations, satellite and microwave operations, metering functions, and rf transmission systems.

BR 211 ADVANCED AUDIO TECHNOLOGY (3-4-0-4) (F). Advanced study of studio, field, and multi-track production technology. Laboratory experience to include practical experience in actual broadcast settings. PREREQ: BR 111.

BR 217 ELECTRONIC FIELD PRODUCTION (3-4-0-4) (S). Study of techniques and utilization of broadcast equipment in the field including audio and video recording systems, and remote satellite and microwave technology. PREREQ: BR 113 and BR 211.

BR 221 BROADCAST FACILITIES MAINTENANCE (3-4-0-4) (F). Management of preventive maintenance programs for both studio and field-based broadcast systems; procedures for routine repair of basic broadcast equipment. Development of conceptual knowledge of electronic components within broadcast systems. PREREQ: MN 121.

BR 231 MULTIMEDIA BROADCAST TECHNOLOGY (3-4-0-4) (S). Survey of computer technology in broadcast settings PREREQ: EN 102.

BR 293 BROADCAST TECHNOLOGY INTERNSHIP (0-0-12-4) (S). Practical experience within a professional broadcast environment.

Business Systems and Computer Technology (9-Month or 2-Year Program)

Instructors: Cadwell, Jansson, Jones.

This 9-month program in photocopy technology is designed to give the student the basic knowledge and skills in mechanics, xerography, and electronics necessary to function as an entry-level photocopier technician.

The 2-year program in business systems and computer technology is designed to give students the basic knowledge and skills necessary to function as entry-level field service technicians. Students will be qualified to make electronic and mechanical adjustments and repairs to computers, computer peripheral devices, xerography devices, and other electromechanical devices. PREREQUISITE: Photocopy Technology Program.

Photocopy Technology
Technical Certificate

Course Number and Title	Credits
BC 101 Basic Electronics Lab	4
BC 103 Electronics Lab	3
BC 104 Electronics Lab	3
BC 113 Customer Relations	3
BC 155 Business Systems Mechanical Principles	3
BC 156 Xerography/Electro-Static Process	3
BC 157 Basic Electronic Theory	2
BC 159 Semiconductor Electronics Theory	3
BC 171 Digital Electronics Theory	3
TS 111 Applied Communications	3
TS 131 Technical Math I	1
TS 133 Technical Math II	1
TS 135 Technical Math IV	1
IS 101 Computer Applications **OR**	3
OT 161 Intro to Microcomputers	
Total	36

Business Systems and Computer Technology Advanced Technical Certificate	
Course Number and Title	**Credits**
Successful completion of Photocopy Technology Program	36
BC 255 Introduction to Computer Technology	2
BC 256 Computer Technology Lab I	4
BC 257 Computer Repair	2
BC 258 Computer Technology Lab II	4
BC 260 Computer Peripheral Repair	2
BC 262 Business Technology Lab III	4
BC 265 Business Systems Sales Techniques	1
BC 266 Introduction to Networking	2
BC 267 Networking Lab	4
Total	61

Business Systems and Computer Technology Associate of Applied Science	
Course Number and Title	**Credits**
Successful completion of Photocopy Technology Program	36
BC 255 Introduction to Computer Technology	2
BC 256 Computer Technology Lab I	4
BC 257 Computer Repair	2
BC 258 Computer Technology Lab II	4
BC 260 Computer Peripheral Repair	2
BC 262 Business Technology Lab III	4
BC 265 Business Systems Sales Techniques	1
BC 266 Introduction to Networking	2
BC 267 Networking Lab	4
1 course chosen from CM 111, CM 121, CM 131, E 101, E 102, E 202, MM 101, or MM 209	3
1 course chosen from EC 205, EC 206, GB 101, GE 115, MM 201, MM 203, P 101, SO 101, or SO 102	3
Total	67
The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.	

Course Offerings

See page 53 for a definition of the course-numbering system.

BC BUSINESS SYSTEMS AND COMPUTER REPAIR

BC 101 BASIC ELECTRONICS LAB (0-8-0-4) (F/S). Hands-on experiments and computer lab projects, facilitated by theoretical examples of DC circuits, OHMS law, magnetism, and properties of electronic components. COREQ: BC 157.

BC 103 ELECTRONICS LAB (0-6-0-3) (F/S). Experiments and trouble-shooting exercises in semiconductor electronic circuits and systems. First eight week block. COREQ: BC 159.

BC 104 ELECTRONICS LAB (0-6-0-3) (F/S). Experiments and trouble-shooting exercises in digital electronic circuits and systems. Second eight week block. COREQ: BC 171.

BC 113 CUSTOMER RELATIONS (3-0-0-3) (F/S). Develops skills to deal effectively with customers in the business equipment repair field.

BC 155 BUSINESS SYSTEM MECHANICAL PRINCIPLES (0-6-0-3) (F/S). Lab course facilitated by lectures on trouble-shooting methods and hands-on introduction to the tools, test equipment, and mechanical devices used in conjunction with electronic devices. COREQ: BC 156.

BC 156 XEROGRAPHY/ELECTRO-STATIC PROCESS (0-6-0-3) (F/S). Introduces electrostatic charging and xerography processes used in photocopier and laser printer equipment. Skills are developed through theory classes supported by lab investigation and preventive maintenance techniques. COREQ: BC 155.

BC 157 BASIC ELECTRONIC THEORY (2-0-0-2) (F/S). Electronic theory supported by computer lab projects in DC circuits, OHMS law, magnetism, and properties of electronic components. COREQ: BC 101.

BC 159 SEMICONDUCTOR ELECTRONICS THEORY (3-0-0-3) (F/S). Study of semiconductor electronic devices and circuits with emphasis on analyzing the relationship of components in circuits and trouble-shooting malfunctioning circuits. First eight week block. PREREQ: BC 101, BC 157.

BC 171 DIGITAL ELECTRONICS THEORY (3-0-0-3) (F/S). Study of digital electronic circuits and microprocessor systems with emphasis on circuit analysis and trouble-shooting. Second eight week block. PREREQ: BC 103, BC 159.

BC 255 INTRODUCTION TO COMPUTER TECHNOLOGY (2-0-0-2) (F). Develops skills in computer repair, computer operating systems and software installation with emphasis on ability to analyze problems in systems and software. First eight week block. COREQ: BC 256.

BC 256 COMPUTER TECHNOLOGY LAB I (0-8-0-4) (F). Hands-on lab where the principles taught in BC 255 can be studied and analyzed as they apply to a computer. First eight week block. COREQ: BC 255.

BC 257 COMPUTER REPAIR (2-0-0-2) (F). Concepts in logic, circuitry, trouble-shooting, and component replacement procedures are taught to prepare students for entry-level computer repair employment. Second eight week block. PREREQ: BC 255. COREQ: BC 258.

BC 258 COMPUTER TECHNOLOGY LAB II (0-8-0-4) (F). Hands-on lab where the principles taught in BC 257 are studied and analyzed as they apply to a computers and computer peripherals. Second eight week block. COREQ: BC 257.

BC 260 COMPUTER PERIPHERAL REPAIR (2-0-0-2) (S). Maintenance, repair, and trouble-shooting of computers and computer peripherals. First eight week block. PREREQ: BC 258. COREQ: BC 262.

BC 262 BUSINESS TECHNOLOGY LAB III (0-8-0-4) (S). Hands-on lab in which the principles taught in BC 260 are studied and analyzed as they apply to a computer and its peripherals. First eight week block. COREQ: BC 260.

BC 265 BUSINESS SYSTEMS SALES TECHNIQUES (1-0-0-1) (S). Course deals with sales techniques for maintenance contracts and office equipment. Second eight week block.

BC 266 INTRODUCTION TO NETWORKING (2-0-0-2) (S). Introduction to networking for the technician. Installation of hardware, cabling, and software is studied. Second eight week block. COREQ: BC 267.

BC 267 NETWORKING LAB (0-8-0-4) (S). Hands-on lab where the principles taught in BC 266 can be studies and analyzed. Second eight week block. COREQ: BC 266.

Business Technology (9-Month or 2-Year Program)

Instructors: Carlton, Metzgar, Orr, TenEyck.

The Business Technology Program develops strong basic skills, technical skills, knowledge, and attitudes required for successful employment in a variety of business offices in private industry and government. Students in the program may pursue a 1-year technical certificate in business technology or a 2-year associate of applied science degree in accounting technology, administrative office technology, or legal office technology.

The Business Technology Program is competency-based, specifying student performance objectives required for employment. Previous training or experience may be substituted for course work if competence is demonstrated through testing (with permission of the program head and the instructor).

Students may begin the Business Technology Program either fall or spring semester. Students beginning in the fall semester can complete core requirements for a technical certificate in two semesters and complete the associate of applied science degree in four semesters. Students beginning in spring semester can also complete core requirements for a technical certificate in two semesters; however, completing the associate of applied science degree will take five semesters because not all required courses are offered each semester.

The technical certificate program provides students with the basic skills necessary to work in such entry-level office positions as office clerk, receptionist, office assistant, or information processing assistant. After completing the program, students will be able to perform such routine office tasks as filing, answering the telephone, and record keeping, as well as using

microcomputers for word processing and basic business applications. Emphasis is placed on developing communication and problem-solving skills in addition to technical skills. A technical certificate is awarded upon successful completion of the required business technology courses. All credits earned for a technical certificate may be applied toward an associate of applied science degree.

Business Technology Technical Certificate

Course Number and Title	Credits
OT 100 Keyboarding	2
OT 110 Document Formatting	2
OT 111 Document Processing	3
OT 112 Office Procedures	3
OT 118 Career Development	3
OT 133 Business English	3
OT 135 Business Editing	3
OT 151 Applied Accounting I	3
OT 161 Introduction to Microcomputers	3
OT 163 Spreadsheet Applications	2
OT 165 Database Applications	2
TS 131 Technical Math I	1
TS 133 Technical Math II	1
TS 134 Technical Math III	1
Total	32

The program leading to an associate of applied science degree in accounting technology provides students with the basic knowledge of accounting processes necessary for employment as accounting clerks, payroll clerks, bookkeepers, accounting technicians, and accounting associates. After completing the program, students will be able to record day-to-day financial transactions and prepare summary statements of business conditions for a small business, or assist with the accounting functions of a larger business or government agency. Emphasis is placed on using microcomputers to perform accounting functions and prepare reports. As a capstone training experience, students complete a one-semester internship in an accounting technician trainee position. This internship allows students to apply competencies previously learned to on-the-job situations.

Accounting Technology Associate of Applied Science

Course Number and Title	Credits
Successful completion of technical certificate	32
GB 202 Legal Environment of Business	3
OT 231 Applied Business Communication	3
OT 252 Applied Accounting II	3
OT 253 Applied Accounting III	3
OT 255 Computerized Accounting	3
OT 257 Payroll Accounting	3
OT 261 Integrated Microcomputer Applications	3
OT 293 Business Technology Internship	3
Communication course chosen from CM 111, CM 131, CM 221, CM 251, or GE 116.	3
General education courses chosen from EC 205, GB 101, MM 121, MM 257, OT 104, OT 289, P 101, SO 101, or SO 102	6
Total	65
The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.	

The program leading to an associate of applied science degree in administrative office technology provides students with the technical skills and knowledge necessary for employment in a variety of office positions and for advancement toward administrative assistant and office management positions. After completing the program, students will be able to perform a variety of administrative duties in an office as well as use microcomputers and business application software to perform advanced information processing functions. Emphasis is placed on developing problem-solving and decision-making abilities in addition to technical skills. As a capstone training experience, students complete a one-semester internship in an administrative support trainee position. This internship allows students to apply competencies previously learned to on-the-job situations.

Administrative Office Technology Associate of Applied Science

Course Number and Title	Credits
Successful completion of technical certificate	32
OT 211 Word Processing Production I	3
OT 212 Word Processing Production II	3
OT 231 Applied Business Communication	3
OT 261 Integrated Microcomputer Applications	3
OT 267 Desktop Publishing	3
OT 285 Administrative Office Systems	3
OT 289 Fundamentals of Supervision	3
OT 293 Business Technology Internship	3
Communication course chosen from CM 111, CM 131, CM 221, CM 251, or GE 116.	3
General education courses chosen from EC 205, GB 101, GB 202, MM 121, MM 257, OT 104, P 101, SO 101, or SO 102.	6
Total	65
The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.	

The program leading to an associate of applied science degree in legal office technology provides students with the technical skills and knowledge necessary for employment in a legal office as a legal secretary or legal word processor. After completing the program, students will be able to perform a variety of administrative and technical duties essential to the efficient operation of a legal office. Specialized training is provided in legal terminology and transcription, legal office procedures, and legal document preparation. Emphasis is placed on legal systems and procedures as well as using microcomputers and business application software to perform advanced information-processing functions. Problem-solving and decision-making abilities are developed in addition to technical skills. As a capstone training experience, students will complete a one-semester internship in a legal secretary trainee position. This internship allows students to apply competencies previously learned to on-the-job situations.

Legal Office Technology Associate of Applied Science

Course Number and Title	Credits
Successful completion of technical certificate	32
OT 211 Word Processing Production I	3
OT 212 Word Processing Production II	3
OT 231 Applied Business Communication	3
OT 271 Legal Terminology and Transcription	3
OT 273 Legal Office Technology I	3
OT 274 Legal Office Technology II	3
OT 277 Legal Documentation	3
OT 293 Business Technology Internship	3
Communication course chosen from CM 111, CM 131, CM 221, CM 251, or GE 116.	3
General education courses chosen from EC 205, GB 101, GB 202, MM 121, MM 257, OT 104, OT 289, P 101, SO 101, or SO 102	6
Total	65
The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.	

Course Offerings

See page 53 for a definition of the course-numbering system.

OT OFFICE TECHNOLOGY

OT 100 KEYBOARDING (0-5-0-2) (F/S). Introduction to the alphabetic and numeric computer keyboard and basic keyboarding techniques. Keyboarding speed of 25 net words per minute on a 2 minute timing must be achieved to pass course. Eight-week course. (Pass/Fail).

OT 104 LEADERSHIP DEVELOPMENT (1-1-0-1) (F/S). Enhances professional development of students interested in careers in business. Emphasis on leadership skills, parliamentary procedures, interpersonal communication, and occupational skill enhancement. Competence developed through business-oriented community and campus projects and state and national leadership conferences and competition. Course may be repeated for maximum of 4 credits. (Pass/Fail).

OT 110 DOCUMENT FORMATTING (1-3-0-2) (F/S). Improves keyboarding proficiency and develops skill in formatting basic business documents including correspondence, reports, and tables using word processing features and functions. Emphasis on mailability, increasing keyboarding speed, and improving accuracy. Eight-week course. PREREQ: Demonstrated keyboarding speed of 25 net words per minute on a 2 minute timing.

OT 111 DOCUMENT PROCESSING (1-5-0-3) (F/S). Develops skill in producing business documents including specialized tables, reports, correspondence, forms, and graphics using word processing functions and features. Emphasis on productivity and continued improvement in keyboarding speed and accuracy. PREREQ: OT 110 and demonstrated keyboarding speed of 30 net words per minute on a 3 minute timing.

OT 112 OFFICE PROCEDURES (3-2-0-3) (F/S). An introduction to the role of the office professional in the modern office environment. Develops skills in telephone communication, mail handling procedures, organization and time management, records management, meeting and travel planning, and other administrative support responsibilities.

OT 118 CAREER DEVELOPMENT (3-2-0-3) (F/S). Strategies and techniques for establishing and succeeding in a career. Emphasizes self-analysis, developing a job search strategy, preparing a professional portfolio, effective interview techniques, human relations, and current career topics.

OT 133 BUSINESS ENGLISH (3-2-0-3) (F/S). Comprehensive review of English skills with emphasis on correct grammar usage, sentence structure, word usage, spelling, and vocabulary. Covers mechanics of punctuation, capitalization, number usage, and abbreviations. Provides strong foundation for effective communication in business.

OT 135 BUSINESS EDITING (2-3-0-3) (F/S). Application of proofreading and editing techniques to written business communications. Develops skill in detecting and correcting errors in format, punctuation. spelling, grammar, and word usage as well as editing for clarity and conciseness. Includes transcription of business documents from recorded dictation. PREREQ: OT 133.

OT 151 APPLIED ACCOUNTING I (3-2-0-3) (F/S). Introduction of fundamental double-entry accounting concepts and terminology. Emphasis on analyzing and recording business transactions and completing adjusting and closing entries for the accounting cycle of a service business. Includes procedures for banking, cash funds, calculating and recording payroll.

OT 161 INTRO TO MICROCOMPUTERS (3-3-0-3) (F/S). An introduction to the fundamentals of microcomputers and specialized software used in business, including word processing, database, spreadsheets, and operating systems.

OT 163 SPREADSHEET APPLICATIONS (1-3-0-2) (F/S). Concepts and applications of electronic spreadsheets with emphasis on business problem-solving. Includes creating and modifying worksheets, designing and printing graphs, and using spreadsheet functions for business decision-making. Eight-week course. PREREQ: OT 161.

OT 165 DATABASE APPLICATIONS (1-3-0-2) (F/S). Concepts and applications of electronic database management with emphasis on business problem-solving. Includes creating, maintaining, and querying databases and generating reports commonly used in business. Eight-week course. PREREQ: OT 161.

OT 211 WORD PROCESSING PRODUCTION I (1-5-0-3) (F/S). Develops skill in creating and revising complex business documents and integrated office projects using advanced functions and desktop publishing features of word processing software. Emphasis on decision-making, productivity, and high-quality work. PREREQ: OT 111 and demonstrated keyboarding speed of 40 net words per minute on a 5 minute timing.

OT 212 WORD PROCESSING PRODUCTION II (1-5-0-3) (F/S). Develops proficiency in using advanced word processing functions of multiple software packages. This course will allow students to maximize their effectiveness in using word processing capabilities to produce impressive documents in the business office. PREREQ: OT 211 and demonstrated keyboarding speed of 50 net words per minute on a 5 minute timing.

OT 231 APPLIED BUSINESS COMMUNICATION (3-0-0-3) (F/S). Principles and strategies for effective written and oral communication in business. Develops ability to analyze communication problems; organize ideas logically; and express ideas correctly and persuasively in business letters, memos, reports, and oral presentations. Emphasis on systematic and creative approaches to solving business communication problems. PREREQ: OT 133.

OT 252 APPLIED ACCOUNTING II (3-2-0-3) (F/S). Continuation of OT 151. Includes accounting for sales, purchases, cash payments, and cash receipts; completing adjusting and closing entries; and preparing financial statements for a merchandising business. Introduces accounting for notes payable and receivable as well as valuation of receivables, inventories, and plant assets. PREREQ: OT 151.

OT 253 APPLIED ACCOUNTING III (3-2-0-3) (F/S). Introduction of advanced accounting topics. Includes voucher systems, accounting procedures for partnerships and corporations, statement of cash flows, analysis of financial statements, and an overview of departmental and manufacturing accounting. PREREQ: OT 252.

OT 255 COMPUTERIZED ACCOUNTING (1-5-0-3) (F/S). Introduction to computerized systems for establishing and maintaining small business accounting records. Includes integrated modules for general ledger, invoicing, cash receipts, purchasing, accounts payable/receivable, fixed assets, and payroll; performing end-of-period and end-of-year closing operations; and generating financial reports. PREREQ: OT 252.

OT 257 PAYROLL ACCOUNTING (2-3-0-3) (F/S). Comprehensive coverage of payroll operations and reporting. Provides practice in calculation of payroll and payroll taxes and preparation of records and reports that form the foundation of an efficient payroll system. PREREQ: OT 151.

OT 261 INTEGRATED MICROCOMPUTER APPLICATIONS (1-5-0-3) (F/S). Explores software applications in the graphical operating environment including basic concepts and features, multi-tasking, and data transfer. Expands knowledge of microcomputer applications used in typical business information systems with emphasis on problem-solving. PREREQ: OT 110 and OT 161.

OT 267 DESKTOP PUBLISHING (1-5-0-3) (F/S). Develops skill in professional document preparation using specialized software. Presents layout and design concepts and software functions applied to business documents such as flyers, brochures, newsletters, forms, and presentation media. PREREQ: OT 261 or MM 250 or PERM/INST.

OT 271 LEGAL TERMINOLOGY AND TRANSCRIPTION (1-5-0-3) (F/S). Introduction to legal vocabulary, including Latin terms, and transcription of dictated legal documents. Emphasis on producing high-quality work. PREREQ: OT 135.

OT 273 LEGAL OFFICE TECHNOLOGY I (3-2-0-3) (F/S). Introduction to basic procedures in the legal office including legal document preparation, records management, use of law library, and an overview of court systems and administrative agencies. Emphasis on legal ethics and responsibilities of a legal office professional.

OT 274 LEGAL OFFICE TECHNOLOGY II (3-2-0-3) (F/S). Advanced legal office procedures required for civil and criminal litigation, business organizations, contracts, real estate, bankruptcy, and wills/estates. Emphasis on understanding legal systems and processes. PREREQ: OT 271, OT 273.

OT 277 LEGAL DOCUMENTATION (2-3-0-3) (F/S). Provides experience in preparing legal documents associated with areas of substantive law introduced in OT 274. Emphasis on use of legal references, records management, and problem-solving techniques in a legal office. PREREQ: OT 271, OT 273.

OT 285 ADMINISTRATIVE OFFICE SYSTEMS (2-3-0-3) (F/S). Provides a capstone training experience as students develop advanced skills in computer applications, telecommunications, records management, and other administrative support functions. Skills reinforced through simulated office activities. Emphasis on efficiency, decision-making, and high-quality work. PREREQ: OT 211, OT 261.

OT 289 FUNDAMENTALS OF SUPERVISION (3-0-0-3) (F/S). Introduction to fundamental principles of first-line supervision emphasizing decision-making methods, conflict management techniques, time management systems, and motivational strategies. Experience in supervisory skills provided through use of case studies.

OT 293 BUSINESS TECHNOLOGY INTERNSHIP (0-0-150-3) (F/S). Application of technical knowledge and skills in community business and office settings to gain practical work experience. Individual contract arrangement involving student, instructor and employer; monitored and evaluated by appropriate faculty in consultation with training site supervisor. PREREQ: Permission of internship coordinator.

Child Care and Development (9-Month or 2-Year Program)

Instructors: Martinsen, Noonan, Sumter.

Leading to a technical certificate, the 9-month Child Care and Development Program is intended for persons interested in working pre-schools, child care programs, kindergartens, and recreation programs for young children. Leading to an associate of applied science degree, the 2-year Child Care and Development Program educates students to teach in or operate a preschool program or child care program that provides care and education for children (infants to eight-year-olds). The program provides students with the opportunity to direct children's play and learning, furnish meals, supervise staff, and manage resources in a variety of early care and education settings. PREREQUISITE: Technical Certificate.

Child Care and Development Technical Certificate

Course Number and Title	Credits
CC 101 Introduction to Child Development	3
CC 125 Contract Field Experience in Early Childhood Program	1
CC 126 Contract Field Experience in Early Childhood Program	1
CC 135 Plan and Evaluation of Laboratory Experience	2
CC 136 Plan and Evaluation of Laboratory Experience	2
CC 141 Health and Care of the Young Child	3
CC 151 Introduction to Child Development	3
CC 171 Curriculum of the Young Child	3
CC 172 Curriculum of the Young Child	3
CC 181 Child Care Laboratory	3
CC 182 Child Care Laboratory	3
CC 185 Infant/Child CPR and First Aid	1
CC 261 Intro Computer Applications to Occupational Relations	2
Approved elective chosen from CM 111, CM 131, CM 221, or CM 251	3
Total	33

Child Care and Development Associate of Applied Science

Course Number and Title	Credits
Successful completion of Technical Certificate Program	33
CC 201 Child Care Center Supervision	4
CC 202 Child Care Center Supervision	4
CC 225 Contract Practicum in Early Child Supervision	2
CC 226 Contract Practicum in Early Child Supervision	2
CC 232 Child Care Center Management	3
CC 241 Nutrition for Young Children	3
CC 252 Family and Community Involvement with Children	3
CC 255 Advanced Child Care	3
CC 256 Introduction to Kindergarten Curriculum	2
CC 257 Infant and Toddler Care	2
Approved elective chosen from CM 111, CM 131, CM 221, or CM 251	3
Approved elective chosen from P 101 or SO 101	3
Total	67

The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.

Course Offerings

See page 53 for a definition of the course-numbering system.

CC CHILD CARE

CC 101-151 INTRODUCTION TO CHILD DEVELOPMENT (3-0-0-3) (F/S). Course content includes basic principles of child growth and development, the individual needs of preschool children, development of their language skills, understanding their behavior, and techniques of guidance and discipline.

CC 125-126 CONTRACTED FIELD EXPERIENCE IN EARLY CHILDHOOD PROGRAMS (0-0-45-1) (F/S). Individual contract arrangement involving students, instructor and cooperating community agency to gain practical experience in off-campus settings. The student will visit, observe, and participate in community child care settings.

CC 135-136 PLANNING AND EVALUATION OF LABORATORY EXPERIENCE (2-0-0-2) (F/S). Classroom lecture and discussion to include lab observation and records, methods of curriculum planning and evaluation, activity plans, classroom objectives, and staff performance and relations.

CC 141 HEALTH AND CARE OF THE YOUNG CHILD (3-0-0-3) (F). Safety practices, basic nutrition, sanitation, safe environment, general health education, and identification, treatment, and prevention of common childhood diseases as applied to children in child care centers. Also includes maintenance of teacher's health.

CC 171-172 CURRICULUM OF THE YOUNG CHILD (3-0-0-3) (F/S). Curricula media suitable for preschool children. Includes theories of teaching curriculum subjects; the need for a curriculum in nursery school; and specific information and materials and the opportunity to use them in the following areas: art, story telling, music, environmental science, and beginning number and letter recognition.

CC 181-182 CHILD CARE LABORATORY (0-0-135-3) (F/S). Observation and participation in the laboratory preschool. Student will serve as aide and assistant teacher, working directly with the children; attend staff meetings, plan and carry out a variety of daily activities, and become acquainted with curriculum, classroom arrangement, schedules, child guidance, staff responsibilities.

CC 185 INFANT/CHILD CPR AND FIRST AID (1-0-0-1) (F). Instruction in infant and child CPR and First Aid leading to certification of the student.

CC 201-202 CHILD CARE CENTER SUPERVISION (1-6-0-4) (F/S). With instructor supervision, students will assume responsibility of lab preschool and plan curriculum activities, supervise staff, plan daily and weekly schedules, and study techniques for child evaluations and parent conferences. Emphasis is placed on child guidance techniques and curriculum development. PREREQ: CC 181-182.

CC 225-226 CONTRACTED PRACTICUM IN EARLY CHILDHOOD PROGRAMS (0-6-0-2) (F/S). A course designed to meet specific needs of the student as determined by both the student and instructor. A practical application of knowledge and skills in community child care settings. Individual contract arrangement involving student, instructor and cooperating agency to gain practical experiences in off-campus settings. PREREQ: CC 125-126.

CC 232 CHILD CARE CENTER MANAGEMENT (3-2-0-3) (S). Introduction to the business practices in the operation of a child care center. Includes business arithmetic, record keeping, purchasing of supplies and equipment, and employer-employee relationships. Also includes licensing procedures required for child care programs.

CC 241 NUTRITION FOR YOUNG CHILDREN IN CHILD CARE CENTERS (3-0-0-3) (F). Nutritional requirements of preschool children. Students plan, purchase, prepare and serve nutritious snacks and meals. Emphasized will be handling food allergies, economics of good nutrition, and the development of positive mealtime attitudes.

CC 252 FAMILY AND COMMUNITY INVOLVEMENT WITH CHILDREN (3-0-0-3) (F). History and dynamics of family interaction; review of cultural life styles. Emphasis will be placed on the need for establishing effective relationships with parents of children in child care centers and the community resources available to both parents and the center.

CC 255 ADVANCED CHILD CARE (3-0-0-3) (F). A review of the history of child care and present day child care facilities in the U.S. and locally. Also covered in class are classroom management, caring for exceptional children, and qualifications of people caring for children in group situations. PREREQ: CC 101-151.

CC 256 INTRODUCTION TO KINDERGARTEN CURRICULUM (2-0-0-2) (F). Kindergarten curriculum theory and practices are presented so that the student has a working knowledge of the kindergarten classroom.

CC 257 INFANT AND TODDLER CARE (2-0-0-2) (S). Care and education of infants and toddlers in group day care homes and centers. Besides physical care, emphasis is also placed on the emotional and social nurturing and intellectual development of infants and toddlers. PREREQ: CC 101-151.

CC 261 INTRO COMPUTER APPLICATIONS TO OCCUPATIONAL RELATIONS (2-0-0-2) (S). A study of dealing effectively with people, job-seeking skills, written communications, and hands-on use of computers to complete personal data packet.

Core Block Courses

All 100-level Core Block (CB) classes, or equivalent, must be completed prior to enrolling in the Automotive Technology, Heavy Duty Mechanics—Diesel, and Mechanical Welding Technician programs.

Course Offerings

See page 53 for a definition of the course-numbering system.

CB CORE BLOCK

CB 101 INTRODUCTION TO MECHANICS (1-1-0-1) (F,S). Basic principles of mechanics, including orientation, mechanical careers, certification, personal and shop safety, study skills, basic hand tools, power tools and equipment, using service manuals, fasteners, lines and fittings, taps, dies, heli-coil, measuring and drills, gaskets, seals, and sealants.

CB 105 INTRODUCTION TO ENGINES (1-1-0-1) (F,S). Theory and principles of operation, classifications and identification. The use of shop math and measuring instruments for precision parts measuring.

CB 109 BASIC ELECTRICITY AND ELECTRONICS (1-1-0-1) (F,S). Principles of electricity and electric circuits. Compare voltage, current and resistance. Principles of magnetism and magnetic fields, battery testing and service, using symbols and wiring diagrams. Perform fundamental electrical tests, and soldering skills.

CB 113 CHASSIS AND EXHAUST SYSTEMS (1-1-0-1) (F,S). This course covers tire, wheel, hub, shock, and wheel bearing fundamentals and service. Exhaust system identification of basic parts and design differences. Performance of exhaust system repairs.

CB 117 VEHICLE AND EQUIPMENT MAINTENANCE (1-1-0-1) (F,S). This course covers lubrication, cooling system, air supply system, and fuel system service procedures and repairs.

CB 121 BASIC WELDING AND METAL WORK (1-1-0-1) (F,S). This course covers basic oxyacetylene, arc, m.i.g. and t.i.g. welding processes. Oxyacetylene torch cutting techniques, measuring, marking and bending metal properly, and welding safety.

CB 125 OCCUPATIONAL RELATIONS (3-1-0-3) (F,S). Proper techniques in completing a job application form, job-keeping skills, and writing a resume and dealing effectively with customers.

CB 129 INTRODUCTION TO MICROCOMPUTERS (1-1-0-1) (F,S). This course introduces the student to microcomputer skills related to the mechanical technology service field, including DOS and basic word processing.

CB 257 ELECTRO-MECHANICAL THEORY (4-1-0-4) (F,S). Students gain experience through theory and hands on experiments which assist student understanding of DC circuits, OHMS Law, magnetism and properties of electronic components. (Note: This is an optional/elective course for skill enhancement.)

Culinary Arts (9-Month or 2-Year Program)

Instructors: Hickman, Kulm, Slough, Sumter.

The Culinary Arts Program provides basic training and education for cooks, apprentice chefs, and managers. The curriculum offers students an opportunity to:

- learn and effectively practice basic and advanced technical skills in food preparation and service
- understand the principles of food identification, nutrition, and food and beverage composition
- acquire basic supervisory skills to efficiently and effectively use human and physical resources in food-service operations
- gain experience in the proper use and maintenance of food-service equipment
- become familiar with the layout and work flow of professional kitchens and bakeshops
- gain appreciation for the history, evolution, and international diversity of the culinary arts
- develop a personal sense of professionalism necessary for working successfully in the food-service industry

The core of the Culinary Arts Program is hands-on teaching of cooking and baking skills as well as the theoretical knowledge that must underlie competency in both cooking and baking. The objective is to teach students not only how to work in the kitchen, but also how a kitchen functions. Related to our mission of professional training are the courses that complete a food service education: courses in table service, wines, menu, facilities planning, cost controls, supervisory development, storeroom, and stewardship.

Students may pursue either a 1-year technical certificate or a 2-year associate of applied science degree in culinary arts. The program is fully accredited by the American Culinary Foundation Educational Institute.

Culinary Arts Technical Certificate

Course Number and Title	Credits
CA 102 Culinary Skills Development	3
CA 103 Sanitation, Safety, and Health	2
CA 104 Introductory Baking	2
CA 105 Cost Controls	1
CA 112 Introductory Hot Foods	3
CA 113 Pantry, Basic Garde Manger	3
CA 114 Communications Skills	3
CA 115 Dining Room Procedures	2
CA 116 Meat Identification and Fabrication	1
CA 118 Charcuterie	1
CA 119 Supervisory Development	2
CA 122 Fish Cookery	1
CA 123 Communication Skills II	3
CA 124 Kitchen Laboratory	5
CA 126 Hospitality Purchasing	2
CA 127 American Regional/A La Carte	2
CA 262 Occupational Relations	2
Total	38

Culinary Arts Associate of Applied Science

Course Number and Title	Credits
Successful completion of technical certificate program	38
CA 207 Wine Appreciation	1
CA 212 International and Oriental Cuisine	1
CA 213 Advanced Garde Manger	1
CA 214 Kitchen Laboratory	6
CA 215 Classical Cuisine	1
CA 224 Kitchen Laboratory	6
CA 226 Advanced Culinary Skills	2
CA 227 Advanced Baking	2
CA 228 Advanced Food and Beverage Cost Controls	2
CA 229 Food and Beverage Operational Planning	2
CA 230 Cake Decorating	1
CA 231 Banquet and Catering Operation	1
CA 232 Culinary Nutrition	2
CM 111 Fundamentals of Speech Communication	3
Approved electives chosen from GB 101, CM 112, EC 205, or MM 250	6
Total	75

The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.

Course Offerings

See page 53 for a definition of the course-numbering system.

CA CULINARY ARTS

CA 102 CULINARY SKILLS DEVELOPMENT (3-2-0-3) (F/S). An introduction to the food service industry and basic cooking methods, tools, and equipment. Recipe and menu make-up and basic knife skills are taught.

CA 103 SANITATION, SAFETY AND HEALTH (2-0-0-2) (F/S). Theory and practice of food and environmental sanitation in a food production area are stressed, with attention to food-related diseases and their origins. The sanitation course has been reviewed for compliance and approved by the Federal Food and Drug Administration. Students conduct a sanitation inspection of one of the Culinary Arts Program's facilities in their production areas.

CA 104 INTRODUCTORY BAKING (2-1-0-2) (F/S). Instruction in the fundamentals of baking science, terminology, equipment, technology, ingredients, weights and measures, formula conversion, and storage. Baking lab provides students with experience of basic yeast dough production.

CA 105 COST CONTROL (1-0-0-1) (F/S). An introduction to the food service cost control method, procedures and math.

CA 112 INTRODUCTORY HOT FOODS (3-2-0-3) (F/S). Fundamental technique of basic hot menu items such as soups, sauces, stocks, vegetables and entrees are demonstrated and/or practiced.

CA 113 PANTRY, BASIC GARDE MANGER (3-2-0-3) (F/S). A basic course in the fundamentals of pantry, cold food preparation, and breakfast cookery. Students are instructed in the proper techniques and procedures for preparing a variety of lunch and dinner salads and salad dressings, hot and cold sandwiches, garnishes, canapes, and breakfast items.

CA 114 COMMUNICATION SKILLS (3-0-0-3) (F/S). Study of terms, attributes, and the mechanics of language for logical thinking, speaking, and writing. Training includes an introduction to inference using both verbal and symbolic techniques. Industrial applications include organization and delivery of technical reports in written and oral forms, business correspondence, and resume preparation.

CA 115 DINING ROOM PROCEDURES (2-0-0-2) (F/S). Covers equipment, personnel responsibility, organization, customer relations, sanitation, table arrangements, and set-ups. A variety of techniques are covered and practiced.

CA 116 MEAT IDENTIFICATION AND FABRICATION (1-0-0-1) (F/S). The cutting of meat and poultry into fabricated units is illustrated. Meat grading, quality, and yield are explained. PREREQ: CA 103 or PERM/INST.

CA 118 CHARCUTERIE (1-0-0-1) (F/S). Lecture, demonstration, and hands-on production of forcemeats, pates, terrines, sausage, and other charcuterie items. PREREQ: CA 103 or PERM/INST. Recommended CA 113.

CA 119 SUPERVISORY DEVELOPMENT (2-0-0-2) (F/S). Basic principles of effective supervision, including human relations, motivation, communications, proper training principles, interviewing, staffing, and discipline are covered. Stewardship functions and responsibilities of personnel scheduling, cleaning scheduling, and purchasing.

CA 122 FISH COOKERY (1-0-0-1) (F/S). Affords students the opportunity to learn the disciplines that must be practiced to keep quality purchased fish, crustaceans, and mollusks fresh: identifying, storing, rotating, and issuing the product. Students butcher fish/shellfish practice the basic fundamentals of fish cookery. PREREQ: CA 103 or PERM/INST.

CA 123 COMMUNICATION SKILLS II (3-0-0-3) (F/S). Study of terms, attributes, and the mechanics of language for logical thinking, speaking and writing. Training includes an introduction to inference using both verbal and symbolic techniques. Industrial applications include organization and delivery of technical reports in written and oral forms, and business correspondence.

CA 124 KITCHEN LABORATORY (2-14-0-5) (F/S). Daily hands-on lab experience affords students an opportunity to practice theory gained in lecture classes. Students rotate through kitchen, dining room, and bakery lab positions on a weekly basis. COREQ: CA 102, 103, 104, 112, 113, 126, or PERM/INST.

CA 126 HOSPITALITY PURCHASING (2-0-0-2) (F/S). Management concepts and specific techniques in purchasing commodities essential in hospitality operations.

CA 127 AMERICAN REGIONAL/A LA CARTE (1-3-0-2) (F/S). Explores the history and preparation of American specialties. Items prepared in the kitchen will follow established American culinary cuisine preparation standards based on the region studied.PREREQ: CA 102, 103, 112, or PERM/INST.

CA 207 WINE APPRECIATION (1-0-0-1) (F/S). The wines of France, Italy, Germany, and America are discussed. History, label interpretation, vocabulary, wine laws, and various methods of processing are covered in the lectures. Majors only.

CA 212 INTERNATIONAL AND ORIENTAL CUISINE (1-0-0-1) (F/S). Students research and prepare menus representative of different countries and cultures. PREREQ: CA 102, 103, 112, or PERM/INST.

CA 213 ADVANCED GARDE MANGER (1-0-0-1) (F/S). Advanced instruction in cold food preparation and buffet presentation techniques are practiced. PREREQ: CA 102, 103, 112, 113, 118, 122, or PERM/INST.

CA 214 KITCHEN LABORATORY (0-14-0-6) (F/S). Daily hands-on lab experience affords students the opportunity to practice theory gained in lecture classes. Students rotate through kitchen, dining room, and bakery lab positions on a weekly basis usually in a supervisory position. PREREQ: CA 116, 118, 119, 122, 124, or PERM/INST.

CA 215 CLASSICAL CUISINE (1-0-0-1) (F/S). Advanced and sophisticated classical culinary preparation, following the principles and techniques of Auguste Escoffier. Emphasis is on French cuisine. Students prepare a complete menu with special consideration of cooking techniques, timing, and presentation. History and terms relative to classical foods and menus are discussed. Students plan, prepare, and serve a graduation dinner.

CA 224 KITCHEN LABORATORY PREPARATION (0-13-0-6) (F/S). Daily hands-on lab experience affords students an opportunity to practice theory gained in lecture classes. Students rotate through kitchen, dining room, and bakery lab positions on a weekly basis in a supervisory position. PREREQ: CA 214, 227, 228, 229, or PERM/INST.

CA 226 ADVANCED CULINARY SKILLS (1-3-0-2) (F/S). Emphasis is given to fine-tuning basic competencies learned in previous courses. These competencies are used in the preparation of A La Carte menu items. Production of the highest quality product through proper techniques, presentation, and service is stressed. PREREQ: CA 102, 103, 112, 113, 116, 118, 122, or PERM/INST.

CA 227 ADVANCED BAKING (1-3-0-2) (F/S). Techniques are practiced in the production of puff pastry, cakes, and specialty breads, and pastries. A variety of desserts are prepared. PREREQ: CA 103, 104, or PERM/INST.

CA 228 ADVANCED FOOD AND BEVERAGE COST CONTROLS (1-3-0-2) (F/S). Course work emphasizes an understanding of the complexities of controlling the primary resources of hospitality operations: food, beverage, labor, and sales income. Control systems development is reviewed. PREREQ: CA 105.

CA 229 FOOD AND BEVERAGE OPERATIONAL PLANNING (2-0-0-2) (F/S). Basic principles and concepts of menu planning, menu formats, and layout are studied in detail with regard to menu engineering, break even points, and labor requirements. PREREQ: CA 105, 119, or PERM/INST.

CA 230 CAKE DECORATING (1-0-0-1) (F/S). The basic theory in professional cake decorating, frosting, and decorating of celebration cakes is demonstrated. Students will become familiar with many decorating techniques. CA 103, 104, or PERM/INST.

CA 231 BANQUET AND CATERING OPERATION (1-0-0-1) (F/S). Attention is given to organizing, supervising, and servicing catering operations. PREREQ: CA 105, 115, 119, or PERM/INST.

CA 232 CULINARY NUTRITION (2-0-0-2) (F/S). Discusses a practical application of nutrition in the food service industry. A primary objective is understanding food sources of nutrients, functions, and methods to minimize loss of nutrients in food service operations. PREREQ: CA 103, or PERM/INST.

CA 262 OCCUPATIONAL RELATIONS (2-0-0-2) (F/S). Techniques of obtaining employment. Relationships among workers and supervisors. Resolution of human relationship issues of shop and office.

Dental Assisting (9-Month Program)

Instructors: Beckman, Gunnell, Imbs.

Leading to a technical certificate, the Dental Assisting Program consists of dental assistant theory, dental laboratory instruction, and a clinical experience. Boise State University works with a Dental Advisory Board in planning and promoting the program and curriculum. Changes in the program and the curriculum may be made at any time to take advantage of advances in the dental profession. Entrance requirements: high school diploma or equivalency certificate, personal interview, and references. Keyboarding or typing is also a prerequisite. Courses are taught by dental assistant instructors, dentists, and guest lecturers. The program is accredited by the Commission on Dental Accreditation, an accrediting body recognized by the Council on Postsecondary Accreditation and the United States Department of Education. Students are eligible to take the Dental Assisting National Board after completing the program.

Dental Assisting
Technical Certificate

Course Number and Title	Credits
DA 101 Dental Laboratory	4
DA 102 Dental Laboratory	5
DA 104 Dental Radiology	4
DA 106 Dental Assisting Clinical Experience	4
DA 108 Dental Office Management	2
DA 109 Public Health and Dental Hygiene	2
DA 111 Communication Skills	3
DA 151 Dental Theory	6
DA 152 Dental Theory	6
DA 180 Intro Computer Application to Occupational Relations	1
DA 181 Professional and Legal Concepts	1
CM 111 Fundamentals of Speech Communication	3
PE 121 Standard First Aid and CPR	1
Total	42

Course Offerings

See page 53 for a definition of the course-numbering system.

DA DENTAL ASSISTING

DA 101 DENTAL LABORATORY (2-10-0-4) (F). Provides practical laboratory experience in handling dental materials and instruments and chair-side assisting.

DA 102 DENTAL LABORATORY (2-7-0-5) (S). Provides practical laboratory experience to clinical competency in chair-side skills and expanded dental assisting functions.

DA 104 DENTAL RADIOLOGY (3-2-0-4) (F). Provides dental assisting students the opportunity to become skilled in dental x-ray procedures with a heavy emphasis on safety.

DA 106 DENTAL ASSISTING CLINICAL EXPERIENCE (0-0-180-4) (S). Supervised chair-side assisting experience in private dental offices and clinics.

DA 108 DENTAL OFFICE MANAGEMENT (2-0-0-2). Covers the fundamentals of business practices related to dentistry.

DA 109 PUBLIC HEALTH AND DENTAL HYGIENE (2-0-0-2). The classwork deals with preventive dentistry and patient education.

DA 111 COMMUNICATION SKILLS (3-0-0-3) (F). Enables the students to use English and dental terminology effectively as a tool for logical thinking, problem solving, and technical writing and speaking required in the field of dental assisting.

DA 151-152 DENTAL THEORY (6-0-0-6) (F/S). Lectures cover the basic dental sciences and dental specialties.

DA 180 INTRODUCTION OF COMPUTER APPLICATION TO OCCUPATIONAL RELATIONS (1-0-0-1) (S). A study of job-seeking skills, communications and hands-on use of computer technology to complete a personal data portfolio.

DA 181 PROFESSIONAL AND LEGAL CONCEPTS (1-0-0-1) (S). To enable a student to become skilled in dealing effectively with people and practice the ethics and legal responsibilities of dental practice.

Drafting Technology (2-Year Program)

Instructors: Benton, Burkey, Shinn.

The Drafting Technology Program is designed to prepare students to meet the employability demands of varying engineering, architectural, and manufacturing firms. Graduates from this program will be especially qualified as computer-assisted drafters, at solving basic design problems, and at providing engineering support.

In addition, they will be eligible to transfer into the Bachelor of Applied Science (B.A.S.) Degree Program.

Drafting Technology
Technical Certificate

Course Number and Title	Credits
CM 111 Fundamentals of Speech Communication	3
DT 101 Machine Drafting	4
DT 102 Architectural Drafting	4
DT 109 Fundamentals of Computer-Aided Drafting and Design	2
DT 110 Advanced Computer-Aided Drafting and Design	2
DT 221 Descriptive Geometry and Development	2
E 101 English Composition	3
EN 102 Computer Fundamentals for Technology **OR** IS 101 Computer Applications	3
M 108 Intermediate Algebra **AND** M 111 Algebra and Trigonometry **OR** TS 139 Technical Math VI **AND** TS 141 Technical Math VII	6-9
MN 100 Material and Process Manufacturing	2
MN 231 Technical Physics	4
Total	35-38

Drafting Technology
Advanced Technical Certificate

Course Number and Title	Credits
CM 111 Fundamentals of Speech Communication	3
CX 210, 211 Engineering Surveying and Lab	3
DT 101 Machine Drafting	4
DT 102 Architectural Drafting	4
DT 109 Fundamentals of Computer-Aided Drafting and Design	2
DT 110 Advanced Computer-Aided Drafting and Design	2
DT 201 Civil Drafting	5
DT 221 Descriptive Geometry and Development	2
DT 222 Technical Report Writing	2
DT 241 Statics	4
E 101 English Composition	3
EN 102 Computer Fundamentals for Technology **OR** IS 101 Computer Applications	3
M 108 Intermediate Algebra **AND** M 111 Algebra and Trigonometry **OR** TS 139 Technical Math VI **AND** TS 141 Technical Math VII	6-9
MN 100 Material and Process Manufacturing	2
MN 231 Technical Physics	4
Elective chosen from EC 205, EC 206, GB 101, P 101, or SO 101	3
Total	52-55

Drafting Technology
Associate of Applied Science

Course Number and Title	Credits
CM 111 Fundamentals of Speech Communication	3
CX 210, 211 Engineering Surveying and Lab	3
DT 101 Machine Drafting	4
DT 102 Architectural Drafting	4
DT 109 Fundamentals of Computer-Aided Drafting and Design	2
DT 110 Advanced Computer-Aided Drafting and Design	2
DT 201 Civil Drafting	5
DT 202 Structural Drafting	5

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Drafting Technology, Associate of Applied Science (continued)	
DT 221 Descriptive Geometry and Development	2
DT 222 Technical Report Writing	2
DT 241 Statics	4
DT 242 Strength of Materials	4
DT 262 Occupational Relations	3
DT 264 Technical Illustration	4
E 101 English Composition	3
EN 102 Computer Fundamentals for Technology **OR**	3
IS 101 Computer Applications	3
M 108 Intermediate Algebra **AND**	6-9
M 111 Algebra and Trigonometry **OR**	
TS 139 Technical Math VI **AND**	
TS 141 Technical Math VII	
MN 100 Material and Process Manufacturing	2
MN 121 AC/DC Theory	4
MN 231 Technical Physics	4
Elective chosen from EC 205, EC 206, GB 101, P 101, or SO 101	3
Total	75-78
The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.	

Drafting Technology
Associate of Applied Science, Advanced Option

Course Number and Title	Credits
CM 111 Fundamentals of Speech Communication	3
CX 210, 211 Engineering Surveying and Lab	3
DT 101 Machine Drafting	4
DT 102 Architectural Drafting	4
DT 109 Fundamentals of Computer-Aided Drafting and Design	2
DT 110 Advanced Computer-Aided Drafting and Design	2
DT 201 Civil Drafting	5
DT 202 Structural Drafting	5
DT 221 Descriptive Geometry and Development	2
DT 222 Technical Report Writing	2
DT 241 Statics	4
DT 242 Strength of Materials	4
DT 262 Occupational Relations	3
DT 264 Technical Illustration	4
DT 301 Advanced Machine Drafting and Design	3
DT 302 Electrical and Hydraulic Drafting	3
DT 309 Three-dimensional Computer-Assisted Drafting and Design	3
DT 350 Product Design Development	4
E 101 English Composition	3
EN 102 Computer Fundamentals for Technology **OR**	3
IS 101 Computer Applications	
M 108 Intermediate Algebra **AND**	6-9
M 111 Algebra and Trigonometry **OR**	
TS 139 Technical Math VI **AND**	
TS 141 Technical Math VII	
MN 100 Material and Process Manufacturing	2
MN 121 AC/DC Theory	4
MN 231 Technical Physics	4
Elective chosen from EC 205, EC 206, GB 101, P 101, or SO 101	3
Total	85-88
The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science degree.	

Course Offerings

See page 53 for a definition of the course-numbering system.

DT DRAFTING TECHNOLOGY

Lower Division

DT 101 MACHINE DRAFTING (2-6-0-4) (F/S). Mechanical drafting with basic drafting techniques, standards, methods, and basic manufacturing fits of mating parts, with introduction to computer-assisted drafting (CAD).

DT 102 ARCHITECTURAL DRAFTING (2-6-0-4) (F/S). Facility planning, remodeling, and sections and details for commercial buildings. PREREQ: DT 101 and DT 109.

DT 109 FUNDAMENTALS OF COMPUTER-AIDED DRAFTING AND DESIGN (2-1-0-2) (F/S). This course is an introduction to computer-aided drafting and design (CADD) systems. It will prepare students to operate the systems and understand the applications of computer graphics to industry standards. Students will learn to use an interactive computer graphics system to prepare drawings on a CRT. They will store and retrieve drawings and related information on a magnetic disc and produce commercial quality copies using a computer-driven plotter. Problems will be assigned in conjunction with the lab DT 101. COREQ: Familiarity with basic drafting procedures and standards.

DT 110 ADVANCED COMPUTER-AIDED DRAFTING AND DESIGN (2-1-0-2) (F/S). This course provides the student with skills in three-dimensional CAD drafting, developing shape files and menus, developing slide shows, digitalizing, and illustrations. Problems will be assigned in conjunction with the lab DT 102. PREREQ: DT 109.

DT 201 CIVIL DRAFTING (3-6-0-5) (F). Mapping, highway curves, and earthwork using conventional and computer drafting techniques. PREREQ: DT 101, DT 110 and DT 133. COREQ: OR PREREQ: EN 216.

DT 202 STRUCTURAL DRAFTING (3-6-0-5) (S). Terminology, structural steel detailing, reinforcing steel specifications, and drawing practice with manual and computerized methods. PREREQ: DT 101 and DT 133.

DT 221 DESCRIPTIVE GEOMETRY AND DEVELOPMENT (2-1-0-2) (F/S). Theory and practice of coordinate projection applied to the solution of properties of points, lines, planes and solids. Includes practical drafting applications. PREREQ: DT 101.

DT 222 TECHNICAL REPORT WRITING (2-0-0-2) (F). Report preparation and written communication for corporate and industrial situations. PREREQ: E 101.

DT 241 STATICS (4-0-0-4) (F). Introduces statics with emphasis on analysis of simple structures. PREREQ: DT 133.

DT 242 STRENGTH OF MATERIALS (4-0-0-4) (F/S). Analysis of stress and strain in torsion, tension, compression and stress. Introduction to limited structural design. PREREQ: DT 133.

DT 262 OCCUPATIONAL RELATIONS (3-0-0-3) (S). Course is designed to enable a student to become skilled in dealing effectively with people and for applying for, securing, maintaining and advancing in employment. Emphasis on developing a portfolio.

DT 264 TECHNICAL ILLUSTRATION (2-6-0-4) (S). Intensive study of axonometric, perspective and rendering in industrial illustration, architectural rendering and civil engineering, including mechanical and electronic methods.

Upper Division

DT 301 ADVANCED MACHINE DRAFTING AND DESIGN (2-4-0-3) (F/S). Tool design, jigs, fixtures, and production flow processes. PREREQ: DT 101 and DT 110. COREQ: DT 242.

DT 302 ELECTRICAL AND HYDRAULIC DRAFTING (2-4-0-3) (F/S). Industrial and manufacturing applications of circuit layout and symbols. PREREQ: DT 101, DT 109 and MN 121.

DT 309 THREE-DIMENSIONAL COMPUTER-ASSISTED DRAFTING AND DESIGN (2-3-0-3) (F/S). Advanced applications in 3-D, covering wire frame, surface, and solid models. Emphasizes product design and development techniques. PREREQ: DT 110.

DT 350 PRODUCT DESIGN DEVELOPMENT (2-6-0-4) (F/S). Application of design, materials, and manufacturing processes to product development. PREREQ: DT 101, DT 110, DT 241. COREQ: DT 242 or PERM/INST.

Electrical Lineworker (9-Month Program)

Instructor: Cantrell.

Leading to a technical certificate, the Electrical Lineworker Program provides students with the best and most complete basic preparation possible in overhead and underground construction and maintenance procedures. Focusing on a basic program of performance-based objectives, instructional materials, and field experiences, the program provides students with the skills and knowledge needed in this rapidly advancing field. The program is designed to produce a highly skilled, well-informed, entry-level lineworker who is familiar with the use of all tools, materials, and equipment of the trade. The areas of first aid, personal safety, and occupational safety are stressed as integral parts of each area of the craft. Students are required to obtain a class A commercial driver's license before graduation.

Electrical Lineworker Technical Certificate

Course Number and Title	Credits
EL 101 Electrical Lineworker Laboratory	7
EL 102 Electrical Lineworker Laboratory	9
EL 151 Electrical Lineworker Basics	4
EL 152 Electrical Lineworker Basics	4
EL 161 Electrical Lineworker Systems Design/Construction	3
EL 162 Electrical Lineworker Systems Design Construction	2
EL 262 Occupational Relations	3
TS 111 Applied Communications	3
TS 133 Technical Math II	1
TS 135 Technical Math IV	1
Total	37

Course Offerings

See page 53 for a definition of the course-numbering system.

EL ELECTRICAL LINEWORKER

EL 101 ELECTRICAL LINEWORKER LABORATORY (1-15-0-7) (F). The field operation provides actual "job type" experience for the student. Course content includes live climbing experiences using ropes and rigging, pole setting and removal with suitable guys and anchors, including installation of transformers, construction and maintenance of underground distribution networks, troubleshooting all systems (including hot stick care and use), plus preventative maintenance on associate systems or equipment.

EL 102 ELECTRICAL LINEWORKER LABORATORY (1-18-0-9) (S). This course provides advanced "job type" experience and includes live climbing experiences using ropes and rigging, pole setting and removal with suitable guys and anchors, including installation of transformers, construction and maintenance of underground distribution networks, troubleshooting all systems (including hot stick care and use), plus preventative maintenance on associate systems or equipment. Students will get experience either on site or with local employer.

EL 151-152 ELECTRICAL LINEWORKER BASICS (4-1-0-4) (F/S). This course provides the student with the basics of electrical theory, power generation, materials identification and application, over current and protective devices, related equipment application and personal/ occupational safety.

EL 161 ELECTRICAL LINEWORKER SYSTEMS DESIGN/CONSTRUCTION (3-1-0-3) (F). This course emphasizes electrical power systems, power systems designing and construction techniques, transformer theory, design of transformers and their construction, and transmission networks.

EL 162 ELECTRICAL LINEWORKER SYSTEMS DESIGN/CONSTRUCTION (2-1-0-2) (S). This course offers instruction in advanced electrical power systems, power systems designing and construction techniques, transformer theory, design of transformers and their construction, and transmission networks. Students will get experience either on site or with a local employer.

EL 262 OCCUPATIONAL RELATIONS (3-1-0-3) (S). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, getting, maintaining and advancing in employment. One semester course.

Electronics Technology (2-Year Program)

Instructors: Dodson, Douglas, Schreffler, Sluder, Stack.

Leading to an associate of applied science degree, the Electronics Technology Program prepares students for employment as entry-level electronic engineering technicians. These individuals are prepared to work as individuals or as team members with scientists, engineers, and manufacturing or research specialists. Graduates of this program obtain broad-based experience in digital electronics systems, electronic communications systems, and electronic measurement and control systems.

Electronics Technology Associate of Applied Science

Course Number and Title	Credits
C 115, 116 Materials Science Chemistry and Lab	4
CM 111 Fundamentals of Speech Communication	3
E 101 English Composition	3
EN 102 Computer Fundamentals for Technology	3
ET 101 DC Electronics Laboratory	3
ET 102 AC Electronics Laboratory	1
ET 151 DC Electronic Theory	3
ET 152 AC Electronic Theory	2
ET 162 Digital Systems I	3
ET 163 Digital Systems I Lab	1
ET 172 Solid State Devices	3
ET 173 Solid State Devices Lab	3
ET 201 Linear Systems Lab	2
ET 202 Telecommunications Systems Lab	1
ET 221 Technical Writing	3
ET 231 Electronic Calculus	3
ET 241 Instrumentation	3
ET 242 Instrumentation Lab	1
ET 251 Linear Systems	5
ET 252 Telecommunications Systems	3
ET 264 Digital Systems II	3
ET 265 Digital Systems II Lab	1
ET 275 Digital Systems III	3
ET 276 Digital Systems III Lab	1
ET 277 Microprocessor Systems	3
ET 278 Microprocessor Systems Lab	1
M 108 Intermediate Algebra **AND** M 111 Algebra and Trigonometry **OR** TS 139 Technical Math VI **AND** TS 141 Technical Math VII	6-9
Elective chosen from GB 101, EC 205, or EC 206	3
Total	74-77

The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.

Semiconductor Technology (2-Year Program)

Leading to an associate of applied science degree, the Semiconductor Technology Program prepares students as entry-level semiconductor processing technicians. These individuals work in the semiconductor manufacturing industry to prepare and process semiconductor wafer products, including discrete semiconductor devices, integrated circuits, and integrated transducer products.

Semiconductor Technology Associate of Applied Science	
Course Number and Title	**Credits**
C 115, 116 Materials Science Chemistry and Lab	4
CM 111 Fundamentals of Speech Communication	3
E 101 English Composition	3
EN 102 Computer Fundamentals for Technology	3
ET 101 DC Electronics Laboratory ET 102 AC Electronics Laboratory ET 151 DC Electronic Theory ET 152 AC Electronic Theory ET 162 Digital Systems I ET 163 Digital Systems I Lab ET 172 Solid State Devices ET 173 Solid State Devices Lab ET 221 Technical Writing ET 264 Digital Systems II ET 265 Digital Systems II Lab	3 1 3 2 3 1 3 3 3 3 1
M 108 Intermediate Algebra **AND** M 111 Algebra and Trigonometry **OR** TS 139 Technical Math VI **AND** TS 141 Technical Math VII	6-9
MN 201 Quality Assurance and Statistical Process Control	4
PH 101 General Physics PH 102 General Physics	4 4
SC 181 Integrated Circuit Processing I SC 182 Integrated Circuit Processing Lab I SC 183 Integrated Circuit Processing II SC 184 Integrated Circuit Processing Lab II	4 3 4 3
Occupational course chosen from GB 101, GB 202, EC 205, or EC 206	3
Total	70-73
The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.	

Course Offerings

See page 53 for a definition of the course-numbering system.

ET ELECTRONIC TECHNOLOGY

ET 101 DC ELECTRONICS LABORATORY (0-9-0-3) (F/S). Experiments in direct current electronics. Study of resistance, DC circuit behavior, DC applications of capacitors and inductors, characteristics and use of DC test equipment. COREQ: ET 151.

ET 102 AC ELECTRONICS LABORATORY (0-3-0-1) (F/S). Experiments in alternating current electronics. Study of reactance, impedance, transformer devices, and AC circuit behavior. Characteristics and use of AC test equipment. PREREQ: ET 101. COREQ: ET 152.

ET 151 DC ELECTRONIC THEORY (3-0-0-3) (F/S). Theory of direct current electricity and its behavior in DC circuits. Resistance, DC power and energy, DC voltage and current laws, DC circuit analysis, DC circuit calculations and interpretation. This course includes 2 hours per week of noncredit study session. COREQ: M 108 or PERM/INST.

ET 152 AC ELECTRONIC THEORY (2-0-0-2) (F/S). Theory of alternating current electricity and its behavior in AC circuits. Reactance and impedance, AC circuit analysis, resonance and tuned circuits, mutual inductance and transformers. PREREQ: ET 151, M 108. PREREQ or COREQ: M 111.

ET 162 DIGITAL SYSTEMS I (3-0-0-3) (F/S). Introductory digital concepts, the binary and hexadecimal number systems, Boolean functions and operations, basic logic gates, and combinational logic.

ET 163 DIGITAL SYSTEMS I LAB (0-3-0-1) (F/S). Laboratory exercises in combinational logic to complement ET 162. See ET 162 course description. COREQ: ET 162.

ET 172 SOLID STATE DEVICES (3-0-0-3) (F/S). AC and DC properties of diodes and transistors. Bipolar and field effect transistor biasing and circuit implementation. Amplifier analysis and construction using transistor devices. PREREQ: ET 151, M 108.

ET 173 SOLID STATE DEVICES LAB (0-9-0-3) (F/S). Laboratory exercises dealing with solid state devices including diodes, bipolar and field effect transistors to complement ET 172. See ET 172 course description. COREQ: ET 172.

ET 201 LINEAR SYSTEMS LAB (0-6-0-2) (F/S). Laboratory exercises dealing with linear amplification and signal processing circuits to complement ET 251. See ET 251 course description. COREQ: ET 251.

ET 202 TELECOMMUNICATIONS SYSTEM LAB (0-3-0-1) (F/S). Laboratory exercises dealing with radio frequency generation and measurements, communication signal processing circuits, and fiber optic systems to complement ET 252. See ET 252 course description. COREQ: ET 252.

ET 221 TECHNICAL WRITING (3-0-0-3) (F/S). Writing skills in technical reports, resume preparation, and job applications. Improvement of writing and report preparation style, and writing for effectiveness and clarity. PREREQ: E 101. COREQ: ET 201 or ET 265.

ET 231 ELECTRONIC CALCULUS (3-0-0-3) (F/S). Differentiation and integration with electronic system applications. Use of electronic differentiation and integration in electronic control. PREREQ: M 108.

ET 241 INSTRUMENTATION (3-0-0-3) (F/S). Electronic measurement and control through the use of sensors, transducers, detectors and actuators. Open and closed loop control systems. Position, force, pressure, temperature, flow, level, light and radiation sensors. Signal conditioning and processing. PREREQ: ET 152 or PERM/INST.

ET 242 INSTRUMENTATION LAB (0-3-0-1) (F/S). Laboratory exercises with various sensors, electro-mechanical and measurement systems to complement ET 241. See ET 241 course description. COREQ: ET 241.

ET 251 LINEAR SYSTEMS (5-0-0-5) (F/S). Linear circuit signal amplification and processing using discrete and monolithic integrated circuits. Operational amplifier circuits including comparators, oscillators, active filters and instrumentation amplifiers. PREREQ: ET 152, ET 172.

ET 252 TELECOMMUNICATIONS SYSTEMS (3-0-0-3) (F/S). Radio and light-wave communications. Amplitude modulation, frequency modulation, pulse modulation, and video systems. PREREQ: ET 172 or PERM/INST.

ET 264 DIGITAL SYSTEMS II (3-0-0-3) (F/S). Sequential logic concepts including flip-flops, shift registers and counters. Memory systems including ROM, SRAM, DRAM, FIFO, EPROM, EEPROM and video memory devices. PREREQ: ET 162 or PERM/INST.

ET 265 DIGITAL SYSTEMS II LAB (0-3-0-1) (F/S). Laboratory exercises dealing with combinational and sequential digital devices to complement ET 264. See ET 264 course description. COREQ: ET 264 or PERM/INST.

ET 275 DIGITAL SYSTEMS III (3-0-0-3) (F/S). Analog-to-digital and digital-to-analog conversion, sampling, and digital data transmission and reception. Data communication standards, protocols and conventions. Local area networks. PREREQ: ET 264.

ET 276 DIGITAL SYSTEMS III LAB (0-3-0-1) (F/S). Laboratory exercises dealing with data transmission and processing systems to complement ET 275. See ET 275 course description. COREQ: ET 275.

ET 277 MICROPROCESSOR SYSTEMS (3-0-0-3) (F/S). Study of micro-processor and microcontroller functions and operations. Microprocessor basics, addressing, instruction sets, input/output operations, interfacing, and programming. PREREQ: ET 264 or PERM/INST.

ET 278 MICROPROCESSOR SYSTEMS LAB (0-3-0-1) (F/S). Laboratory exercises in microprocessor and/or microcontroller operations to complement ET 277. See ET 277 course description. COREQ: ET 277.

ET 289 SPECIAL PROJECT (1-0-0-1) (F/S). An electronics project involving the planning, staging, and construction and testing of an electronic system. The project must be approved by the instructor. PREREQ: PERM/INST.

EXTENDED PROGRAMS OFFERINGS

The following offerings are not required in the Electronic Technology, A.A.S. degree program. These courses are designed for technical upgrading of individuals working in industry and are offered whenever demand warrants.

ET 290 LASER SYSTEMS (3-0-0-3). Course in LASER mechanics and optics. Coherent light, monochromaticity and polarization. Diffraction, refraction and reflection. Types of LASER devices and principles of operation. Safety considerations and BRH ratings. Applications of LASER devices including precision positioning and gaging, interferometric distance measurements, diffraction pattern analysis, LASER welding and communications and holography. PERM/INST.

ET 295 INTRODUCTORY FIBER OPTIC SYSTEMS (3-0-0-3). Basic electronics overview including voltage, current and power. Introductory digital electronics overview including the binary number system, pulse code modulation, sampling, analog-to-digital and digital-to-analog conversions and data transmission. Optical fiber qualities and use. Electrical-to-optical and optical-to-electrical conversion. Time division multiplexing of signals. Course designed for nonelectronic technology majors.

ET 296 FIBER OPTIC SYSTEMS (3-0-0-3). Fiber optic systems for electronic technology majors. Properties of fiber material. Propagation of pulses in optical fiber, refraction laws and optical principles, propagation modes, temporal and chromatic dispersion, path loss calculations. Optical sources and detectors. Analog and digital transmission using optical fiber. Time, frequency and wavelength division multiplexing.

Coherent heterodyne multiplexing techniques. Splicing techniques and safety considerations. PREREQ: ET 252 or PERM/INST.

SC SEMICONDUCTOR TECHNOLOGY

SC 181 INTEGRATED CIRCUIT PROCESSING I (4-0-0-4) (F). Study of the manufacturing processes involved in wafer fabrication of discrete and integrated circuit devices. Wafer manufacture and pre-process preparation. Materials safety and clean room practices. Photoresist coating, development and wet etching processes. Photomask preparation and alignment. Oxide growing processes and measurements. Basic doping processes. COREQ: SC 182.

SC 182 INTEGRATED CIRCUIT PROCESSING I LAB (0-9-0-3) (F). Laboratory to accompany SC 181. Laboratory safety. Photoresist preparation and spinning, oxide and metal etching, oxide growth and measurements, diffusion doping, aligner operation. COREQ: SC 181.

SC 183 INTEGRATED CIRCUIT PROCESSING II (4-0-0-4) (S). Further study of integrated circuit manufacturing processes. Doping levels, alignment integrity, ion implantation processes. Dry etching techniques and procedures. Metalization and vacuum system operation. Safety practices. Statistical process control applied to wafer fabrication. COREQ: SC 184.

SC 184 INTEGRATED CIRCUIT PROCESSING II LAB (0-9-0-3) (S). Laboratory to accompany SC 183. Vacuum systems, dry etching and metalization. Gas handling systems and safety. COREQ: SC 183.

Environmental Control Technician (2-Year Program)

Leading to an advanced technical certificate or an associate of applied science degree, this double-major option combines the Industrial Maintenance Technology and Refrigeration, Heating, and Air Conditioning curriculums. Graduates of the program maintain equipment and control the industrial environment in a variety of settings, ranging from light manufacturing to heavy industry.

Environmental Control Technician
Advanced Technical Certificate

Course Number and Title	Credits
IM 101 Maintenance Welding Technology	3
IM 102 Maintenance Machine Fundamentals	3
IM 114 Electromechanical Systems	3
IM 115 Electromechanical Systems	3
IM 124 Basic Fluid Power Operations-Hydraulics	3
IM 125 Basic Fluid Power Operations-Pneumatics	3
IM 134 Industrial Mechanical Laboratory	5
IM 135 Industrial Mechanical Laboratory	6
IM 262 Occupational Relationships **OR** RH 262 Occupational Relationships	3
RH 121 Air Conditioning Lab	7
RH 122 Air Conditioning Lab	9
RH 141 Air Conditioning Theory	6
RH 142 Air Conditioning Theory	7
TS 111 Applied Communications	3
TS 131 Technical Math I	1
TS 133 Technical Math II	1
TS 135 Technical Math IV	1
Total	67

Environmental Control Technician
Associate of Applied Science

Course Number and Title	Credits
IM 101 Maintenance Welding Technology	3
IM 102 Maintenance Machine Fundamentals	3
IM 114 Electromechanical Systems	3
IM 115 Electromechanical Systems	3
IM 124 Basic Fluid Power Operations-Hydraulics	3
IM 125 Basic Fluid Power Operations-Pneumatics	3
IM 134 Industrial Mechanical Laboratory	5
IM 135 Industrial Mechanical Laboratory	6
IM 262 Occupational Relations **OR** RD 262 Occupational Relations	3
RH 121 Air Conditioning Lab	7
RH 122 Air Conditioning Lab	9
RH 141 Air Conditioning Theory	6
RH 142 Air Conditioning Theory	7
TS 111 Applied Communications	3
TS 131 Technical Math I	1
TS 133 Technical Math II	1
TS 135 Technical Math IV	1
1 courses chosen from CM 111, CM 131, CM 221, E 101, E 102, E 202, MM 101, or MM 209.	3
Total	70

The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.

Farm Business Management (3-Year Program)

Instructor: Hope.

Leading to a post-secondary vocational certificate, the Farm Business Management Program is designed to help farm businesses and family farms through improved management, organization, and efficiency of farming operations.

Participants meet on campus for the classroom portion of the program. They are also assisted in their own operations, at their individual locations, by the instructor. Emphasis during the first year is on setting up the farming operations records system. IBM compatible computers are provided by the university for in-class use. Special fees apply to this program.

This program is not a production agricultural program, but instead emphasizes the business and management skills needed to operate a successful farming operation during a widely fluctuating economic cycle. The use of the computer in this program is to aid the farm manager in making sound management decisions. The program also provides a solid background in record-keeping and accounting.

Farm Business Management
Post-Secondary Vocational Certificate

Course Number and Title	Credits
FM 175 Farm Business Records and Accounting	5
FM 176 Technical Support I	0
FM 178 Farm Business Analysis and Evaluation	5
FM 179 Technical Support II	0
FM 181 Fundamental Financial Management	5
FM 182 Technical Support III	0
Total	15

Course Offerings

See page 53 for a definition of the course-numbering system.

FM FARM BUSINESS MANAGEMENT

FM 175 FARM BUSINESS RECORDS AND ACCOUNTING (4-2-0-5) (S). First-year participants will study the fundamentals of farm accounting with a systematic approach to keeping accurate records. This course offers the opportunity to place these records on microcomputer for general farm use. This course is designed for both experienced and inexperienced computer users and includes farm accounting procedures, account structure, enterprise accounting, balance sheet, and income statements.

FM 176 TECHNICAL SUPPORT I (0-2-0-0) (S). Students will have up to 30 hours of instructor technical assistance at their locations over a one year period to implement concepts learned in FM 175.

FM 178 FARM BUSINESS ANALYSIS AND EVALUATION (4-2-0-5) (F,S). Second-year participants will learn financial statement analysis. This will involve the interpretation of balance sheets, income statements, and statements of cash flow. Ratio relationships between the financial statements will be explored. Short term (less than one year) and long term (up to five years) computerized budgeting using electronic spreadsheets will also be explored.

FM 179 TECHNICAL SUPPORT II (0-2-0-0) (S). Students will have up to 30 hours of instructor technical assistance at their locations over a one year period to implement concepts learned in FM 178.

FM 181 FUNDAMENTAL FINANCIAL MANAGEMENT (2-8-0-5) (F,S). Third-year participants will study fundamental financial management. This will include calculating interest, analyzing the cost of using funds, determining impact of depreciation on investments, projecting returns on investments and evaluating lease and/or purchase decisions. Students will implement the principles learned in class in their own operations and will have a full year of instructor support to do so.

FM 182 TECHNICAL SUPPORT III (0-2-0-0) (S). Students will have up to 30 hours of instructor technical assistance at their locations over a one year period to implement concepts learned in FM 181.

Fire Service Technology

Leading to an associate of applied science degree, the Fire Service Technology Program is designed to upgrade the skills and knowledge of volunteer and paid fire fighters in all phases of fire fighting. The intent of this program is to provide fire fighters with the latest technology needed to save lives and protect property in a safe and efficient manner. No previous fire fighting experience is required to begin this program; however, it is recommended that participants be members of paid or volunteer fire departments because specific activities in these courses require access to facilities and equipment located at fire departments. Courses are delivered through local fire departments, on demand, when sufficient enrollment is secured.

Students are required to complete at least 1440 hours of course work, 300 hours of practicum, and 4 general education courses to complete the associate of applied science degree requirements. Special fees apply to this program. Students interested in this program should contact the Gary Arambarri, Technical Services Building, Room 109, 208 385-3969.

Fire Service Technology
Associate of Applied Science

Course Number and Title	Hours	Credits
Technical Course Work		56
Orientation	120	
Ladder	30	
Hose	60	
Fire Streams	60	
Forcible Entry	30	
Ventilation	30	
Self-Contained Breathing Apparatus	90	
Salvage and Overhaul	30	
First Aid	90	

— continued —

Fire Service Technology (continued)		
Safety	90	
Water Supplies	60	
Building Construction	60	
Fire Prevention	90	
Hazardous Materials	60	
Rescue	60	
Fire Cause Determination	60	
Fire Ground Management	60	
Practicum/Work Experience	300	
Technical Support Course Work		
Fundamentals of Fire Mathematics	60	
Fundamentals of Fire Physics	120	
Fundamentals of Fire Chemistry	120	
2 courses selected from CM 111, CM 131, CM 221, E 101, E 102, E 202, MM 101, or MM 209		6
2 courses selected from EC 205, EC 206, GB 101, GE 115, MM 201, MM 203, P 101, SO 101, or SO 102.		6
Total		68

The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.

Course Offerings

See page 53 for a definition of the course-numbering system.

FR FIRE SERVICE TECHNOLOGY

FR 100 FIRE TRAINING TECHNOLOGY (0-0-1530-56). This program is designed to upgrade paid and volunteer fire fighters in the latest fire fighting and life saving techniques. The course work listed (except general education requirements) for the Idaho State Fire Fighters certification, associate of applied science degree program, is delivered through statewide fire departments. All courses except general education requirements will be graded Pass/Fail. PREREQ: PERM/INST.

Heavy Duty Mechanics—Diesel (11-Month Program)

Instructors: Brownfield, Tillman.

Leading to a technical certificate, the Heavy Duty Mechanics—Diesel Program is designed to prepare students for entry-level employment in the heavy mechanics field. Instruction includes the basics in design and the fundamentals of operation of gasoline and diesel engines, heavy-duty trucks, equipment, and component parts. Instruction is on mock-ups and actual working units.

Students are offered entry into the Heavy Duty Mechanics—Diesel program two times per school year, in the fall and in the spring semester, depending on available seating.

A minimum grade of C is required in all course work to graduate with a technical certificate. PREREQUISITE: All core block courses or the equivalent. All courses in this program are delivered in 8-week blocks.

Heavy Duty Mechanics—Diesel
Technical Certificate

Course Number and Title	Credits
CB 101 Introduction to Mechanics	1
CB 105 Introduction to Engines	1
CB 109 Basic Electricity and Electronics	1
CB 113 Chassis and Brake Systems	1
CB 117 Vehicle and Equipment Maintenance	1
CB 121 Basic Welding and Metal Work	1

— continued —

Heavy Duty Mechanics—Diesel (continued)	
CB 125 Occupational Relations	3
CB 129 Introduction to Microcomputers	1
DM 122 Intermediate Welding and Metal Work	2
DM 123 Alternative Engine Fuels	2
DM 150 Air Conditioning Systems	2
DM 155 Electrical Systems, Trouble Shooting	2
DM 157 Engine Component Systems	4
DM 158 Engine Fuel Systems	3
DM 160 Clutches and Transmissions	2
DM 161 Power Take-off and Drive Lines	2
DM 162 Differential, Power Dividers, Final Drive and Planetary Systems	2
DM 164 Heavy Vehicle Electrical Systems	3
DM 165 Basic Hydraulics	1
DM 166 Air Brake Systems	3
DM 167 Hydraulic Brakes	1
DM 168 Steering and Suspension Systems	2
DM 169 Engine Brakes	1
TS 130 Mechanical Math	1
Total	43

Course Offerings

See page 53 for a definition of the course-numbering system.

DM HEAVY DUTY MECHANICS-DIESEL

DM 122 INTERMEDIATE WELDING AND METAL WORK (1-3-0-2). Intermediate welding processes, including SMAW, GNAW, and OAW welding processes. Oxyacetylene torch cutting techniques, measuring, marking, and bending metal properly, and welding safety. PREREQ: Core block.

DM 123 ALTERNATIVE ENGINE FUELS (1-3-0-2). Alternative fuels in heavy equipment, and its effects on various power systems and the environment. PREREQ: Core block.

DM 150 AIR CONDITIONING SYSTEMS (1-3-0-2). Basics of heavy vehicle air conditioning systems. Safety, diagnosis, and troubleshooting, coolant recovery, recycling, and servicing various types of A/C systems. PREREQ: Core block.

DM 155 ELECTRICAL SYSTEMS, TROUBLE SHOOTING (1-3-0-2). Theory and repair procedures on the various types of electrical systems and trouble shooting of the electrical system. PREREQ: Core block.

DM 157 ENGINE COMPONENT SYSTEMS (2-5-0-4). Theory and principles of operation. Engine assembly, rebuild, and repair and assembly procedures. Intake and exhaust systems, lubrication systems, cooling systems, repairing cylinder heads, theory and principles of turbo chargers and super chargers, timing of various types of engines and injection systems. PREREQ: Core block.

DM 158 ENGINE FUEL SYSTEMS (1-4-0-3). Theory and principles of the major types of diesel fuel injection pumps, injection nozzle testing procedures, gasoline fuel systems, carburetors, fuel filters, fuel lines and fuel transfer pumps. PREREQ: Core block.

DM 160 CLUTCHES AND TRANSMISSIONS (1-3-0-2). Disassembly and assembly of heavy duty single and double disk clutches, and theory and operation of heavy duty manual transmission with complete disassembly and assembly procedures to factory specifications. PREREQ: Core block.

DM 161 POWER TAKE-OFF AND DRIVE LINES (1-3-0-2). Power take-off and drive line disassembly and assembly to factory specifications. PREREQ: Core block.

DM 162 DIFFERENTIAL, POWER DIVIDERS, FINAL DRIVE, AND PLANETARY SYSTEMS (1-3-0-2). Disassembly and assembly of differentials, power dividers, theory of final drive systems, and planetary systems in heavy duty equipment. PREREQ: Core block.

DM 164 HEAVY VEHICLE ELECTRICAL SYSTEMS (1-4-0-3). Batteries, switches, relays and solenoids, and starter and charging systems used in electrical circuits of heavy duty equipment. PREREQ: Core block.

DM 165 BASIC HYDRAULICS (1-1-0-1). Hydraulic theory and practices of hydraulic systems, lines, fittings, accumulators, oil coolers, circuits, valves, pumps and motors. PREREQ: Core block.

DM 166 AIR BRAKE SYSTEM (1-4-0-3). Air compressors, air brakes, parking brakes, air cans, spring brake cans, slack adjustors, brake shoes, air tanks and air piping. PREREQ: Core block.

DM 167 HYDRAULIC BRAKES (1-1-0-1). System components and functions of brake systems including brake shoes, drums, wheel bearings, wheel spindles, seals, and brake adjustments. PREREQ: Core block.

DM 168 STEERING AND SUSPENSION SYSTEMS (1-3-0-2). Suspension system including torsion bars, springs, air suspensions, wheels, tires, and frames. PREREQ: Core block.

DM 169 ENGINE BRAKES (1-1-0-1). Jacobs and Cummins compression brake components and operation, retarders, construction and operation. PREREQ: Core block.

Horticulture Service Technician (2-Year Program)

Instructors: Blackburn, Moen, Sumter.

Leading to an associate of applied science degree, the Horticulture Service Technician Program prepares students for employment in the landscape, nursery, floral, greenhouse, and fruit and vegetable industries, including the production, sales, and service areas of these industries. The program stresses the design, interpretation, and construction of landscapes (including costs, production of nursery plants, plant propagation, and landscape planting). Graduates of the program qualify for positions in nursery and floral establishments, as well as employment in parks, grounds, maintenance, and highway departments. They may also enter the fields associated with plant propagation, nursery sales, greenhouse work, and sales in the related fertilizer and insecticide fields.

Horticulture Service Technician
Associate of Applied Science

Course Number and Title	Credits
HO 101 Horticulture Laboratory	4
HO 102 Horticulture Laboratory	4
HO 111 Communication Skills	3
HO 112 Communication Skills	3
HO 131 Related Basic Mathematics	3
HO 132 Related Basic Mathematics	3
HO 141 Related Basic Science	2
HO 142 Related Basic Science	2
HO 151 Horticulture Theory	7
HO 152 Horticulture Theory	7
HO 201 Horticulture Laboratory	4
HO 202 Horticulture Laboratory	4
HO 241 Related Science	2
HO 242 Related Science	2
HO 251 Horticulture Theory	7
HO 252 Horticulture Theory	7
HO 262 Occupational Relationships	2
HO 271 Individual Project	3
MM 101 Salesmanship	3
MM 201 Elements of Marketing	3
Total	75

The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.

Course Offerings

See page 53 for a definition of the course-numbering system.

HO HORTICULTURE

HO 101 HORTICULTURE LABORATORY (0-9-0-4). Applying the related theory and content to the solution of practical problems in horticulture. Specific areas of application include exploring occupational opportunities. Identification of plants by the use of descriptive terms; identification of annual and perennial flowering plants; use of scientific names; classification and botanical structures of plants; climactic and other factors limiting growth; plant propagation, greenhouse, flower, and plant production, and floral design.

HO 102 HORTICULTURE LABORATORY (0-9-0-4). Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include soils and soil amendments; construction of growing containers and houses; implementation of entire greenhouse operation and bedding plant production; the use of insecticides; pesticides, etc., and precautions necessary during use; and pruning.

HO 111-112 COMMUNICATION SKILLS (3-0-0-3) (F/S). Objective: to enable students to use language effectively as a tool for logical thinking, problem solving, and technical writing and speaking required in their major field of training.

HO 131-132 RELATED BASIC MATHEMATICS (3-0-0-3). First semester: developing comprehension of the basic principles of mathematics. Specific areas include addition, subtraction, multiplication, division, fractions, denominate numbers, square root, mensuration. Second semester: developing comprehension of the principles of related bookkeeping and accounting. Specific areas to be covered include: income and expense accounts, general journal and ledger, sales and purchases, inventories, payroll, etc.

HO 141-142 RELATED BASIC SCIENCE (2-0-0-2). First semester: developing comprehension of the scientific principles utilized in plant identification, plant growth and development, limiting factors, and developments which aid plant propagation. Second semester: developing comprehension of the scientific principles utilized in: developments which aid plant propagation, construction materials, insecticides, pesticides, soils and fertility.

HO 151-152 HORTICULTURE THEORY (7-0-0-7). First semester: developing comprehension, analysis and evaluation of: introduction to the field of horticulture, plant classification and growth, climate and other growth limiting factors, and soil and soil amendments. Second semester: developing comprehension, analysis and evaluation of plant propagation, growing containers, insect and disease control, and pesticide application and pruning practices.

HO 201 HORTICULTURE LABORATORY (0-9-0-4). Applying theory and related science to the solution of practical problems in horticulture. Specific areas of application include sprinkler design and installation; trees, grass and weed identification; and basic landscape construction including turf grass installation, walks, patios and arbors.

HO 202 HORTICULTURE LABORATORY (0-9-0-4). Applying theory and related science to the solution of practical problems in horticulture. Specific areas of application include preparing landscape designs for residential, commercial, and parks; installation of walks, patios, arbors and retaining walls; and plant identification including evergreens and deciduous shrubs, ground cover and vines.

HO 241 RELATED SCIENCE (2-0-0-2). Developing comprehension of the scientific principles utilized in plant growing, materials of construction and weed control.

HO 242 RELATED SCIENCE (2-0-0-2). Developing comprehension of the scientific principles utilized in power equipment, lawn and shrub maintenance, plant wounds, basic first aid and insect control.

HO 251 HORTICULTURE THEORY (7-0-0-7). Landscape maintenance. Plant identification and uses. Landscape design, turf management and shade tree identification and installation.

HO 252 HORTICULTURE THEORY (7-0-0-7). Principles of landscape design. Horticulture power machines and maintenance of tillers, mowers, and shredders. Construction design, nursery production and garden center management.

HO 262 OCCUPATIONAL RELATIONS (2-0-0-2). Course is designed to enable a student to become skilled in dealing effectively with people and for applying for, getting, maintaining and advancing in employment. One semester course.

HO 271 INDIVIDUAL PROJECTS (3-0-0-3). Providing the opportunity for the student to apply all his prior education in planning, developing and completing a unique, practical horticulture project.

Industrial Maintenance Technology (9-Month Program)

Instructor: Allen.

The Industrial Maintenance Technology Program is designed to prepare technicians for entry-level positions in increasingly complex automated industrial environments. Emphasis is on the design, operation, maintenance, diagnosis, and troubleshooting of modern systems in the work place. Preventive maintenance techniques and job safety are stressed.

Industrial Maintenance Technology
Technical Certificate

Course Number and Title	Credits
IM 101 Maintenance Welding Technology	3
IM 102 Maintenance Machining Fundamentals	3
IM 114 Electromechanical Systems	3
IM 115 Electromechanical Systems	3
IM 124 Basic Fluid Power Operations-Hydraulics	3
IM 125 Basic Fluid Power Operations-Pneumatics	3
IM 134 Industrial Mechanical Laboratory	5
IM 135 Industrial Mechanical Laboratory	6
IM 262 Occupational Relationships	3
TS 111 Applied Communications	3
TS 130 Mechanical Math	1
Total	36

Course Offerings

See page 53 for a definition of the course-numbering system.

IM INDUSTRIAL MAINTENANCE TECHNOLOGY

IM 101 MAINTENANCE WELDING TECHNOLOGY (3-1-0-3) (F). Oxyacetylene equipment, basic arc welding, and gas metal arc welding for maintenance. Use of special electrodes on ferrous and nonferrous base metals is emphasized. Blueprint reading, shop math, equipment maintenance, and layout skills for modern manufacturing are included.

IM 102 MAINTENANCE MACHINING FUNDAMENTALS (3-1-0-3) (S). Combines use of basic hand tools with selected machine tools (lathe, milling machine, drill press, shaper, pipe/bolt machine) as are required to effectively service or repair increasingly sophisticated industrial devices. Preventive maintenance techniques utilizing this equipment are covered.

IM 114 ELECTROMECHANICAL SYSTEMS (3-1-0-3) (F). Principles of basic electricity, fractional horsepower motors, torque and horsepower, controls, transmission of power via various drives, troubleshooting, and maintenance of these systems. Test meter usage is stressed.

IM 115 ELECTROMECHANICAL SYSTEMS (3-1-0-3) (S). Principles of electrical motors with emphasis on three-phase and direct-current operations. Wiring skills are emphasized and troubleshooting of complex circuitry is given using modern testing equipment.

IM 124 BASIC FLUID POWER OPERATIONS-HYDRAULICS (3-1-0-3) (F). Principles of basic hydraulics, providing exposure to pumps, motors, directional control valves, flow controls, filtration devices and actuators.

IM 125 BASIC FLUID POWER OPERATIONS-PNEUMATICS (3-1-0-3) (S). Principles of basic pneumatics, providing exposure to compressors, motors, switches, control valves, flow controls, filtration devices and actuators.

IM 134 INDUSTRIAL MECHANICAL LABORATORY (1-10-0-5) (F). Laboratory experiences keyed to performance-based objectives. Five areas are emphasized to prepare technicians for industrial environments. These areas include, but are not limited to metallurgy via welding technologies, maintenance of this equipment, and fluid power technologies. Hydraulics and electromechanical systems are enhanced by computer assistance where applicable.

IM 135 INDUSTRIAL MECHANICAL LABORATORY (1-12-0-6) (S). Laboratory experience keyed to performance-based objectives. Five areas are emphasized to prepare technicians for industrial environments. These areas include, but are not limited to metallurgy via machine tool use for maintenance, maintenance of this equipment, and fluid power technologies. Pneumatics and electromechanical systems are enhanced by computer assistance where applicable.

IM 262 OCCUPATIONAL RELATIONS (3-1-0-3) (F). Students to become skilled in dealing effectively with people in an industrial environment. Communication and writing skills for applying for, obtaining, retaining, and advancing in employment are offered.

Machine Tool Technology (9-Month or 2-Year Program)

Instructor: Berreth, Wertman.

Leading to either a technical certificate, advanced technical certificate, or an associate of applied science degree, the Machine Tool Technology Program is designed for students who wish to become machine tool operators. Students receive instruction in the set-up and use of all basic machines, including engine lathes, milling machines, grinders, surface grinders, and computer numerical control machines. Students also learn about the many different materials and processes used by industry. In addition, students receive classroom instruction and practical experience in the use of various precision measurement and test equipment used by metals-manufacturing industries.

A minimum grade of C is required in all course work to receive a technical certificate, advanced technical certificate, or an associate of applied science degree.

Machine Tool Technology
Technical Certificate

Course Number and Title	Credits
MS 103 Machine Shop Laboratory	7
MS 104 Machine Shop Laboratory	7
MS 126 Related Blueprint Reading	2
MS 127 Related Blueprint Reading	4
MS 132 Basic Math	2
MS 153 Machine Shop Theory	3
MS 154 Machine Shop Theory	3
MS 262 Occupational Relations	3
TS 111 Applied Communications	3
Total	34

Machine Tool Technology
Advanced Technical Certificate

Course Number and Title	Credits
MS 103 Machine Shop Laboratory	7
MS 104 Machine Shop Laboratory	7
MS 126 Related Blueprint Reading	2
MS 127 Related Blueprint Reading	4
MS 132 Basic Math	2
MS 153 Machine Shop Theory	3
MS 154 Machine Shop Theory	3
MS 203 Advanced Machine Shop Laboratory	7
MS 204 Advanced Machine Shop Laboratory	7
MS 211 Fundamentals of Computer-Aided Drafting and Design	1
MS 223 Blueprint Reading and Layout for the Machinist	1
MS 224 Tool Design for Manufacturing	2
MS 233 Advanced Math	5
MS 234 Advanced Math	5
MS 253 Advanced Machine Shop Theory	2
MS 254 Advanced Machine Shop Theory	2
MS 262 Occupational Relations	3
TS 111 Applied Communications	3
Total	66

Machine Tool Technology
Associate of Applied Science

Course Number and Title	Credits
MS 103 Machine Shop Laboratory	7
MS 104 Machine Shop Laboratory	7
MS 126 Related Blueprint Reading	2
MS 127 Related Blueprint Reading	4
MS 132 Basic Math	2
MS 153 Machine Shop Theory	3
MS 154 Machine Shop Theory	3
MS 203 Advanced Machine Shop Laboratory	7
MS 204 Advanced Machine Shop Laboratory	7
MS 211 Fundamentals of Computer-Aided Drafting and Design	1
MS 223 Blueprint Reading and Layout for the Machinist	1
MS 224 Tool Design for Manufacturing	2
MS 233 Advanced Math	5
MS 234 Advanced Math	5
MS 253 Advanced Machine Shop Theory	2
MS 254 Advanced Machine Shop Theory	2
MS 262 Occupational Relations	3
TS 111 Applied Communications	3
1 course chosen from CM 111, CM 131, CM 221, E 101, E 102, E 202, MM 101, or MM 209	3
1 course chosen from EC 205, EC 206, GB 101, GE 115, MM 201, MM 203, P 101, SO 101, or SO 102	3
Total	72

The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.

Course Offerings

See page 53 for a definition of the course-numbering system.

MS MACHINE TOOL TECHNOLOGY

MS 103 MACHINE SHOP LABORATORY (1-15-0-7) (F). Basic safety, shop practice, work habits, and production rates. Also, the set-up and operation of inspection and layout tools, engine lathe, vertical milling machine, horizontal milling machine and power saws. COREQ: MS 153.

MS 104 MACHINE SHOP LABORATORY (1-15-0-7) (S). Advanced safety, shop practice, work habits, and production rates. Also, the set-up and operation of drill press, jig bore, surface grinders, and computer numerical control milling machine. PREREQ: MS 103. COREQ: MS 153.

MS 126 RELATED BLUEPRINT READING (2-1-0-2) (F). Basic principles and techniques of reading orthographic projection drawings and technical sketching as applied to machine shop practice.

MS 127 RELATED BLUEPRINT READING (4-1-0-4) (S). Advanced principles to understand the reading of more complicated machine shop detail and assembly drawings with emphasis on machining specifications and materials. PREREQ: MS 126.

MS 132 BASIC MATH (2-1-0-2) (F). Fractions, decimals, metric system, and basic math processes such as addition, subtraction, division, and multiplication as applied to the machine shop.

MS 153 MACHINE SHOP THEORY (3-1-0-3) (F). Machining processes and their application as practiced in the laboratory course. Safety and sound work habits are emphasized in all phases of instruction. Includes the set-up, care and maintenance of inspection and layout tools, engine lathe, vertical milling machine, horizontal milling machine, and power saws. COREQ: MS 103.

MS 154 MACHINE SHOP THEORY (3-1-0-3) (S). Machining processes and their application as practiced in the laboratory course. Safety and sound work habits are emphasized in all phases of instruction. Includes the set-up, care and maintenance of drill presses, jig bore, surface grinders, and basic computer numerical grinders, and basic computer numerical control milling machine. PREREQ: MS 153. COREQ: MS 104.

MS 203 ADVANCED MACHINE SHOP LABORATORY (1-15-0-7) (F). Set-up and operation involving manipulative development and advanced skill in the use of engine lathes, vertical milling machines, drill presses, power saws, surface grinders, advanced computer numerical control milling machines, and basic computer numerical control lathe. PREREQ: MS 104.

MS 204 ADVANCED MACHINE SHOP LABORATORY (1-15-0-7) (S). Set-up and operation involving manipulative development and advanced skills in the use of inspection and layout tools, engine lathe, vertical milling machine, advanced computer numerical control lathe, operation and programming. PREREQ: MS 203.

MS 211 FUNDAMENTALS OF COMPUTER-AIDED DRAFTING AND DESIGN (1-1-0-1) (F). Introduction to computer-aided drafting and design systems to prepare students for keyboarding, operating the systems, and understanding the applications of computer graphics to machine standards. Students will learn to use an interactive computer graphics system to prepare drawings on CRT.

MS 223 BLUEPRINT READING AND LAYOUT FOR THE MACHINIST (1-1-0-1) (F). Three-dimensional drawing and hand-sketching of computer numerically controlled prints and CNC tools as applied to the machine trade.

MS 224 TOOL DESIGN FOR MANUFACTURING (2-1-0-2) (S). Introduction to tool design for the machinist. It will prepare the student to understand design of fixtures, jigs and tools used in the machining trade. PREREQ: MS 223.

MS 233 ADVANCED MATH (5-1-0-5) (F). Fundamentals of algebra and basic operations with signed numbers, powers, and roots to solve equations encountered in using machine shop formulas. Instruction in ratio, direct, and inverse proportions is also included. PREREQ: MS 132.

MS 234 ADVANCED MATH (5-1-0-5) (S). Advanced math and scientific principles as required in the machinist trade is provided to solve more complicated problems utilizing plane geometry and trigonometry. PREREQ: MS 154.

MS 253 ADVANCED MACHINE SHOP THEORY (2-1-0-2) (F). Advanced programming of computer numerical control milling machine and basic programming of computer numerical controlled lathe. PREREQ: MS 154.

MS 254 ADVANCED MACHINE SHOP THEORY (2-1-0-2) (S). Advanced programming of computer numerical control lathe and building of fixtures and jigs.

MS 262 OCCUPATIONAL RELATIONS (3-1-0-3) (S). An examination of occupational requirements. Focuses on job seeking skills, employer and employee relations, social security, and workmen's compensation laws. CPR and first aid skills.

Manufacturing Technology (2-Year Program)

Instructor: Lonsdale.

The Manufacturing Technology Program is designed to prepare entry-level technicians to plan, organize, and control manufacturing processes. Graduates from this program are prepared to participate in a modern manufacturing environment with a technical understanding of how each particular function integrates into a complete manufacturing system. In addition, they are prepared to use current techniques of computer integrated manufacturing.

Manufacturing Technology
Associate of Applied Science

Course Number and Title	Credits
CM 111 Fundamentals of Speech Communication	3
CM 221 Interpersonal Communication	3
E 101 English Composition	3
EC 205 Principles of Microeconomics	3
EN 102 Computer Fundamentals for Technology	3
EN 108 Engineering Graphics	2
M 108 Intermediate Algebra **OR** TS 139 Technical Math VI	3-4
MN 100 Material and Process Manufacturing	2
MN 102 Industrial Organization and Introduction to CIM	3
MN 112 Industrial Safety	2
MN 121 AC/DC Theory	3
MN 141 Introduction to Machining Processes I	3
MN 180 Advanced Machining Processes II	3
MN 201 Quality Assurance and Statistical Process Control	4

— continued —

Manufacturing Technology (continued)	
MN 202 Manufacturing Plan and Facility Design/Modification	3
MN 211 Robotics and Automated Machine Tool Programming	2
MN 212 Computer Aided Design/Computer Aided Manufacturing	3
MN 231 Technical Physics	4
MN 232 Hazardous Waste Material Handling	2
MN 240 Material Control	3
MN 250 Manufacturing Cost Analysis	3
MN 261 Jig, Fixture and Tool Design	3
MN 280 Manufacturing Project	4
Total	67-68

The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.

Course Offerings

See page 53 for a definition of the course-numbering system.

MN MANUFACTURING TECHNOLOGY

MN 100 MATERIAL AND PROCESS MANUFACTURING (2-0-0-2) (F/S). A lecture and visual-aid presentation overview of the production and general properties of common engineering materials such as iron, steel, zinc, copper, aluminum and plastics; the fundamentals of material processing such as powder metallurgy, hot and cold forming and shearing; and the basic surface protection processes such as cleaning, painting and plating.

MN 102 INDUSTRIAL ORGANIZATION AND INTRO TO CIM (3-0-0-3) (F/S). The exploration of dynamic industrial relationships and organizational theories. An overview of both internal and external factors that impact industry. An in-depth introduction to CIM Computer Integrated Manufacturing.

MN 112 INDUSTRIAL SAFETY (2-0-0-2) (F/S). Federal, state and local safety codes applying to materials, material handling and equipment.

MN 121 AC/DC THEORY (3-2-0-3) (F/S). Terminology and fundamentals of direct and alternating currents as applied to the manufacturing environment. Practical application and skills in wiring methods and control circuits.

MN 141 INTRODUCTION TO MACHINING PROCESSES I (2-4-0-3) (F/S). This sequence covers safety, shop practice and production rates. Also included are the set-up and operation of the lathes, milling machines, drill presses, power saws and grinders.

MN 180 ADVANCED MACHINING PROCESSES II (1-8-0-3) (F/S). This sequence covers the use of special attachments, bench work, layout, heat treating, hardness testing, layout inspection, and computer numerical control mill set-up, operation, and programming. PREREQ: MN 141 or equivalent.

MN 201 QUALITY ASSURANCE AND STATISTICAL PROCESS CONTROL (4-0-0-4) (F/S). The statistical requirements necessary to control the processes of a modern manufacturing line will be covered. PREREQ: M 108 or equivalent.

MN 202 MANUFACTURING PLANNING AND FACILITY DESIGN/MODIFICATION (2-4-0-3) (F/S). Techniques of planning methods and procedures of manufacturing, with the goal of becoming more productive and competitive. Planning and procedures include plant layout, conventional and automated materials handling, materials requirement planning, flexible manufacturing, standardization, and inventory and warehousing planning.

MN 211 ROBOTICS AND AUTOMATED MACHINE TOOL PROGRAMMING (1-4-0-2) (F/S). An introduction to lecture/lab robotics in manufacturing. Includes definitions and classifications of robots, limitations and justifications of robots, and social implications of robotics as applied to manufacturing.

MN 212 COMPUTER AIDED DRAFTING/COMPUTER AIDED MANUFACTURING (2-4-0-3) (F/S). Writing computer numerical control (CNC) machine tool programs using computer-assisted techniques to generate machine firm-ware, set up and operation, development of tooling concepts, preset cutting tooling, machine methods, definition of part geometry, writing of tool motion statements, use of the computer to process program inputs, analysis, and debugging of computer outputs to develop a functional program. PREREQ: MN 180 or equivalent.

MN 231 TECHNICAL PHYSICS (3-4-0-4) (F/S). The study of technical principles in such a manner as to make them readily understood and applicable in different technologies those that include electrical, mechanical, fluidal and thermal systems and combinations thereof. This course blends the useful technical principles with laboratory practice on realistic devices that are commonly utilized by technicians in a process/

manufacturing environment. PREREQ: M 108 or equivalent. (May be taken in either the freshman or sophomore year.)

MN 232 HAZARDOUS WASTE MATERIALS HANDLING (2-0-0-2) (F/S). Fundamentals of identifying, handling, processing and treating hazardous wastes generated in the manufacturing environment.

MN 240 MATERIAL CONTROL (3-0-0-3) (F/S). The integration of the materials function into a CIM environment. A study of inventory control, material requirement planning, master scheduling, capacity planning, material movement and shop floor control. PREREQ: M 108.

MN 250 MANUFACTURING COST ANALYSIS (3-0-0-3) (F/S). A study of the methodologies used in recording and reporting product cost, and the application of manufacturing engineering technology skills to lower and/or maintain product cost. PREREQ: MN 240.

MN 261 JIG, FIXTURE AND TOOL DESIGN (1-8-0-3) (F/S). Development of manufacturing plans for efficient manufacture of moderately complex products to be produced in moderate volumes using production manufacturing: machines, setups and jig, and fixtures. Emphasizes development and fabrication of control equipment and actual moderate volume production. PREREQ: M 108, COREQ: MN 212.

MN 280 MANUFACTURING PROJECT (2-6-0-4) (F/S). A capstone course utilizing all the skills attained to design and simulate a manufacturing operation for an assigned product. Students will work individually and in small teams. PREREQ: MN 261, COREQ: MN 202.

Marketing/Management Technology (2-Year Program)

Instructors: Haislip, Waldorf.

The Marketing/Management Technology Program prepares students for supervisory positions in retail, finance, or service-oriented businesses or for ownership of a small business. Students develop strong basic skills, technical skills, knowledge, attitudes, and an understanding of the business environment.

After completing the program, students will possess skills in selling, retail operations, marketing and promotion strategies, supervision and management principles and techniques, computer applications, and written and oral communication. Emphasis is placed on developing problem-solving and decision-making abilities in addition to technical skills.

As a complement to their technical education, students complete a supervised internship in a local business. This experience enables them to apply marketing and management skills learned in the classroom to on-the-job business situations, expand their perceptions of the work environment, and gain practical experience.

Marketing/Management Technology
Associate of Applied Science

Course Number and Title	Credits
CM 111 Fundamentals of Speech Communication	3
MM 101 Salesmanship	3
MM 121 Business Concepts	3
MM 201 Elements of Marketing	3
MM 203 Principles of Promotion	3
MM 204 Retailing Management	3
MM 209 Applied Business Communication	3
MM 212 Promotion and Public Relations	3
MM 250 Microcomputer Applications for Business	3
MM 257 Elements of Management	3
MM 262 Small Business Management	3
MM 293 Marketing/Management Internship	3
OT 118 Career Development	3
OT 133 Business English	3
OT 161 Introduction to Microcomputers	3
OT 289 Fundamentals of Supervision	3

— continued —

Marketing/Management Technology (continued)

OT 151 Applied Accounting I **OR** AC 205 Intro to Financial Accounting	3
TS 131 Technical Math I TS 133 Technical Math II TS 134 Technical Math III	1 1 1
Technical Education electives chosen from MM 104, MM 293, OT 100, OT 252, or OT 267 NOTE: Three credits of MM 293 Marketing/Management Internship are required; three additional credits may be applied toward elective requirements.	4
General Education electives chosen from EC 205, EC 206, GB 202, P 101, SO 101, or SO 102	6
Total	64

The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.

Course Offerings

See page 53 for a definition of the course-numbering system.

MM MARKETING/MANAGEMENT

MM 101 SALESMANSHIP (3-0-0-3) (F/S). A basic course in personal selling techniques as applied in working situations in modern retail, wholesale, and manufacturing establishments; analysis of customer behavior and motivation; methods of creating customer attention, interest, desire, and action. Special emphasis is given to ethical sales techniques.

MM 104 LEADERSHIP DEVELOPMENT (1-1-0-1) (F/S). Enhances professional development of students interested in careers in business. Emphasis on leadership skills, parliamentary procedures, interpersonal communication, and occupational skill enhancement. Competence developed through business-oriented community and campus projects and state and national leadership conferences and competition. Course may be repeated for a maximum of 4 credits.

MM 121 BUSINESS CONCEPTS (3-1-0-3) (F/S). An introduction to current management and marketing practices in small business enterprises. Develops an understanding of the role and functions of the small business in today's local and national economy.

MM 201 ELEMENTS OF MARKETING (3-2-0-3) (F). The study of activities by which goods and services flow from producer to ultimate consumer. Includes methods, policies and evaluation of the various marketing institutions according to the function performed.

MM 203 PRINCIPLES OF PROMOTION (3-2-0-3) (F/S). Objectives and policies of sales promotion; study of the media, and regulation of advertising; coordination of display, selling, and other merchandising factors. Study of copy, illustrations, layout, and display. PREREQ: MM 201 or PERM/INST.

MM 204 RETAILING MANAGEMENT (3-2-0-3) (F/S). A study of fundamental principles and practices of managing a retail business. Covers the full range of decisions made by retailers from developing a retail strategy to managing a store and its employees. Includes merchandise planning and control, expense and cost-reduction, purchasing for resale, pricing of goods, and retail control systems. PREREQ: TS 134.

MM 209 APPLIED BUSINESS COMMUNICATION (3-0-0-3) (F/S). Principles and strategies for effective written and oral communication in business. Develops ability to analyze communication problems; organize ideas logically; and express ideas correctly and persuasively in business letters, memos, reports, and oral presentations. Emphasis on systematic and creative approaches to solving business communication problems.PREREQ: OT 133.

MM 212 PROMOTION AND PUBLIC RELATIONS (3-3-0-3) (F/S). Presents practical application of promotional activities currently employed by business. Students will organize and develop promotions, public relations campaigns, and special events, applying strategies and theories learned in MM 203. PREREQ: MM 203.

MM 250 MICROCOMPUTER APPLICATIONS FOR BUSINESS (1-5-0-3) (F/S). Develops skill in utilizing microcomputer applications for business problem-solving, decision-making, and information management. Includes word processing, spreadsheet and database applications and introduction to graphical operating environment. PREREQ: OT 161.

MM 257 ELEMENTS OF MANAGEMENT (3-0-0-3) (F/S). Principles of management related to the functions of planning, organizing, staffing, directing, and controlling. Focus on practical applications of job design and analysis, employee training and development, motivation, leadership, art of negotiation, improving team performance and productivity, and creative problem-solving as they relate to retail, service and wholesale fields.

MM 262 SMALL BUSINESS MANAGEMENT (3-2-0-3) (F/S). Concepts of planning, organizing, and managing a small business enterprise with emphasis on the procedures and regulations that influence success. Includes an overview of entrepreneurship and the

essential factors for launching a new venture including the business plan, legal requirements, and financing.

MM 293 MARKETING/MANAGEMENT INTERNSHIP (0-0-150-3) (F/S). Cooperative work experience for students in the Marketing/Management Technology program. Provides opportunity to apply marketing and management skills learned in the classroom to on-the-job experiences in retail, wholesale, or service businesses. Students follow a training plan and are evaluated by both the employer and the internship coordinator. Maximum of 6 credits internship allowed, including 3 elective credits.

Mechanical Welding Technician (2-Year Program)

This double major option combines the Welding and Metals Fabrication and Heavy Duty Mechanics — Diesel curricula.

Mechanical Welding Technician
Advanced Technical Certificate

Course Number and Title	Credits
CB 101 Introduction to Mechanics	1
CB 105 Introduction to Engines	1
CB 109 Basic Electricity and Electronics	1
CB 113 Chassis and Brake Systems	1
CB 117 Vehicle and Equipment Maintenance	1
CB 121 Basic Welding and Metal Work	1
CB 125 Occupational Relations **OR**	3
W 262 Occupational Relations	
CB 129 Introduction to Microcomputers **OR**	1
W 157 Introduction to Microcomputers	
DM 122 Intermediate Welding and Metal Work	2
DM 123 Alternative Engine Fuels	2
DM 150 Air Conditioning Systems	2
DM 155 Electrical Systems, Trouble Shooting	2
DM 157 Engine Component Systems	4
DM 158 Engine Fuel Systems	3
DM 160 Clutches and Transmissions	2
DM 161 Power Take-off and Drive Lines	2
DM 162 Differential, Power Dividers, Final Drive and Planetary Systems	2
DM 164 Heavy Vehicles Electrical Systems	3
DM 165 Basic Hydraulics	1
DM 166 Air Brake Systems	3
DM 167 Hydraulic Brakes	1
DM 168 Steering and Suspension Systems	2
DM 169 Engine Brakes	1
TS 111 Applied Communications	3
TS 130 Mechanical Math	1
W 106 Welding Lab	8
W 107 Welding Lab	8
W 108 Welding Lecture/Lab	7
W 125 Blueprint Reading and Layout	3
W 126 Blueprint Reading and Layout	7
W 155 Welding Theory	4
W 156 Welding Theory	1
Total	84

Mechanical Welding Technician
Associate of Applied Science

Course Number and Title	Credits
CB 101 Introduction to Mechanics	1
CB 105 Introduction to Engines	1
CB 109 Basic Electricity and Electronics	1
CB 113 Chassis and Brake Systems	1
CB 117 Vehicle and Equipment Maintenance	1
CB 121 Basic Welding and Metal Work	1
CB 125 Occupational Relations **OR**	3
W 262 Occupational Relations	
CB 129 Introduction to Microcomputers **OR**	1
W 157 Introduction to Microcomputers	
DM 122 Intermediate Welding and Metal Work	2
DM 123 Alternative Engine Fuels	2
DM 150 Air Conditioning Systems	2
DM 155 Electrical Systems, Trouble Shooting	2
DM 157 Engine Component Systems	4
DM 158 Engine Fuel Systems	3
DM 160 Clutches and Transmissions	2
DM 161 Power Take-off and Drive Lines	2
DM 162 Differential, Power Dividers, Final Drive, and Planetary Systems	2
DM 164 Heavy Vehicles Electrical Systems	3
DM 165 Basic Hydraulics	1
DM 166 Air Brake Systems	3
DM 167 Hydraulic Brakes	1
DM 168 Steering and Suspension Systems	2
DM 169 Engine Brakes	1
TS 111 Applied Communication	3
TS 130 Mechanical Math	1
W 106 Welding Lab	8
W 107 Welding Lab	8
W 108 Welding Lecture/Lab	7
W 125 Blueprint Reading and Layout	3
W 126 Blueprint Reading and Layout	7
W 155 Welding Theory	4
W 156 Welding Theory	1
1 course chosen from CM 111, CM 131, CM 221, E 101, E 102, E 202, MM 101, or MM 209	3
1 course chosen from EC 205, EC 206, GB 101, GE 115, MM 201, MM 203, P 101, SO 101, or SO 102	3
Total	90

The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree. See "Heavy Duty Mechanics — Diesel" and "Welding and Metals Fabrication" for course descriptions.

Office Occupations (15-Week Program)

Instructors: Duffy, Holcomb.

The Office Occupations Program is designed to give the student the basic knowledge and skills necessary to gain entry-level employment in the clerical field in a short period of time. Students in the program develop general office and technical skills while refining job search and interviewing techniques. Work attitudes and ethics are cultivated to ensure successful employment. The program is competency-based, which requires that the student perform the skills and objectives of the program as required for employment at entry level.

Students choosing to continued their education may transfer Office Occupations credits into the Business Technology program's technical certificate or A.A.S. degree.

Student may begin the Office Occupations Program in fall, spring, or summer semesters. Students must have a high school diploma, GED, or high school equivalency, and must type 25 words per minute upon entry into the program. Registration is processed through the Larry G. Selland College of Applied Technology Student Services Office. Special fees apply.

Office Occupations
Post-Secondary Vocational Certificate

Course Number and Title	Credits
OC 102 Keyboarding Skill Development	2
OC 111 File Systems Management	1
OC 115 Job Readiness	1
OC 131 Business Communications	2
OC 135 Proofreading and Spelling	2
OC 141 Business Math/10-Key Operations	1
OC 152 Clerical Accounting	2
OC 160 Intro to PC and Windows	1
OC 161 Spreadsheet Software	2
OC 162 Word Processing	2
OC 165 Database Software	2
Total	18

Course Offerings

See page 53 for a definition of the course-numbering system.

OC OFFICE OCCUPATIONS

OC 102 KEYBOARDING SKILL DEVELOPMENT (0-5-0-2). Diagnostic approach to improving keyboarding speed and accuracy using times writings, speed, and accuracy drills. PREREQ: 25 net words per minute after deducting errors in a 3 minute timing.

OC 111 FILE SYSTEMS MANAGEMENT (1-1-0-1). Introduction to the various filing systems used, including alphabetical, numerical, geographical, and topical. Students use examples and simulated business products to practice filing methods.

OC 115 JOB READINESS (1-2-0-1). Preparation for successfully competing in today's job market. Equips students with knowledge of interviewing strategies, time management techniques, customer service skills, and other career-boosting skills.

OC 131 BUSINESS COMMUNICATION (1-2-0-2). Comprehensive review of English skills with emphasis on correct grammar usage, sentence structure, word usage, punctuation, spelling, and vocabulary. Provides strong foundation for effective communication in business.

OC 135 PROOFREADING AND SPELLING (1-3-0-2). Comprehensive review of the components of quality business correspondence and documents. Correct symbols and techniques for producing and proofreading documents are developed. Spelling rules and patterns are reviewed and applied.

OC 141 BUSINESS MATH/10-KEY OPERATIONS (1-2-0-1). Introduction to business math applications as used in accounting, management, and retailing. Functions of the electronic calculator are introduced along with correct fingering for efficient use of the electronic calculator in business applications.

OC 152 CLERICAL ACCOUNTING (1-2-0-2). Preparation for keeping financial records in the office. Use of the general and specialized journals, general ledger, financial statements such as balance sheets and income statements, bank reconciliation, worksheets and adjusting and closing entries are introduced.

OC 160 INTRO TO PC AND WINDOWS (1-3-0-1). Introduction to computer components and terminology, providing experience using Windows including the Control Panel, Print Manager, Card File, Calendar, and Write and creating groups, accessing software, and using File Manager. PREREQ: 25 net words per minute after deducting errors in a 3 minute timing.

OC 161 SPREADSHEET SOFTWARE (1-4-0-2). Concepts and applications of spreadsheet software, including understanding the worksheet elements; the menu; entering numbers, labels, formulas; using ranges to copy, move, format, and print data; entering simple formulas; editing and verifying results of formulas are applied. PREREQ: 25 net words per minute after deducting errors in a 3 minute timing.

OC 162 WORD PROCESSING (1-4-0-2). Provides experience in producing a variety of business documents with special features using automated office equipment. Includes instruction in text formatting including underlining, bolding, printing, editing, and saving. Emphasis is placed on correct document formatting and producing mailable documents. PREREQ: 25 net words per minute after deducting errors in a 3 minute timing.

OC 165 DATABASE SOFTWARE (1-3-0-2). Introduction to database management including creating and modifying a database structure; entering, deleting, and indexing data; using queries and forms; and printing. PREREQ: 25 words per minute after deducting errors in a 3 minute timing.

Practical Nursing — see Department of Nursing in Chapter 13.

Professional Truck Driving Program (15-Week Program)

Instructors: Dean, Hibbard, Morrison, Reeves.

Leading to a post-secondary vocational certificate, the Professional Truck Driving Program is designed to provide the student with the necessary skills and background for employment as an over-the-road entry-level driver. The program is 15 weeks in length, 40 hours per week, with three 3-week courses and a 6-week internship. Initially, controlled driving takes place in nontraffic areas and advances to the open road, progressing from an empty to a loaded truck and trailer. The student learns skills and procedures for handling freight, loading and unloading, dock loading, and trailer combinations and their uses. Ample time is given to familiarize the student with the problems of negotiating large rigs in traffic and over the highway. Department of Transportation and interstate rules and requirements, including the new Federal Commercial Driver's License law, are covered. Log-keeping, accident avoidance, and reporting procedures are stressed throughout the course. All students must meet the Department of Transportation's physical standards, have a Department of Motor Vehicles driver's record check, and pass the state commercial driver's license exam. Special fees apply to this program.

Professional Truck Driving
Post-Secondary Vocational Certificate

Course Number and Title	Credits
TD 102 Basic Knowledge Development and Theory	6
TD 106 Driving Skills Development	4
TD 112 Driving Skills Enhancement	4
TD 193 Professional Truck Driving Internship	5
Total	19

Course Offerings

See page 53 for a definition of the course-numbering system.

TD 102 BASIC KNOWLEDGE DEVELOPMENT AND THEORY (100-20-0-6). This three-week course includes orientation to the program and history of the industry. The students will be introduced to basic vehicle operation, mechanics, control systems, safety, vehicle inspections, log books, laws, commercial motor vehicle safety regulations, metric conversions, hazardous materials, and Commercial Driver's License requirements.

TD 106 DRIVING SKILLS DEVELOPMENT (0-120-0-4). This three-week course is lab instruction and includes nondriving safety, vehicle inspections, speed and space management, backing techniques, shifting, ports of entry, DOT inspections, weight distribution, defensive driving, and special component use.

TD 112 DRIVING SKILLS ENHANCEMENT (0-120-0-4). This three-week course is lab instruction and includes more challenging terrain and progresses to city driving. It focuses on increased proficiency on all basic techniques and skills necessary to pass the federally mandated State Commercial Driver's License, vehicle inspections and road test.

TD 193 PROFESSIONAL TRUCK DRIVING INTERNSHIP (0-0-240-5). This six-week course is on-the-job training with a local trucking firm. It is real life experience as the student participates in the daily routine of a truck driver. The student will be attended at all times by a training driver selected by the training station management and approved by the Professional Truck Driving Program.

Recreational and Small Engine Repair Technology (9-Month or 2 Year Program)

Instructor: Schroeder.

Leading to a technical certificate, advanced technical certificate, or an associate of applied science degree, the Recreational and Small Engine Repair Technology Program includes classroom, lab, and shop experiences directed at maintaining and repairing a variety of 2- and 4- cycle engines used on recreational vehicles and outdoor power equipment including snowmobiles, motorcycles, four-wheelers, watercraft, lawn and garden, and portable power equipment. The instructional units emphasize the complete repair of various types of small engines and the equipment related to its use.

The second year of the program is designed for students, in consultation with the instructor, to specialize in advanced areas of the program.

In addition to advanced technical theory and laboratory, the second year may include laboratory work in a practicum agreement with local industry.

Recreational and Small Engine Repair Technology Technical Certificate

Course Number and Title	Credits
SE 101 Small Engine Laboratory	9
SE 102 Small Engine Laboratory	9
SE 129 Introduction to Microcomputers	1
SE 141 Small Engine Theory	5
SE 142 Small Engine Theory	5
SE 181 Occupational Relations	3
TS 111 Applied Communications	3
TS 130 Mechanical Math	1
Total	36

Recreational and Small Engine Repair Technology Advanced Technical Certificate

Course Number and Title	Credits
SE 101 Small Engine Laboratory	9
SE 102 Small Engine Laboratory	9
SE 129 Introduction to Microcomputers	1
SE 141 Small Engine Theory	5
SE 142 Small Engine Theory	5
SE 181 Occupational Relations	3
SE 201 Advanced Small Engine Lab	9
SE 202 Advanced Small Engine Lab	9
SE 241 Advanced Small Engine Theory	3
SE 242 Advanced Small Engine Theory	3
TS 111 Applied Communications	3
TS 130 Mechanical Math	1
Total	60

Recreational and Small Engine Repair Technology Associate of Applied Science

Course Number and Title	Credits
SE 101 Small Engine Laboratory	9
SE 102 Small Engine Laboratory	9
SE 129 Introduction to Microcomputers	1
SE 141 Small Engine Theory	5
SE 142 Small Engine Theory	5
SE 181 Occupational Relations	3
SE 201 Advanced Small Engine Lab	9

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Recreational and Small Engine Repair Technology (continued)

SE 202 Advanced Small Engine Lab	9
SE 241 Advanced Small Engine Theory	3
SE 242 Advanced Small Engine Theory	3
TS 111 Applied Communications	3
TS 130 Mechanical Math	1
1 course chosen from CM 111, CM 131, CM 221, E 101, E 102, MM 101, or MM 209	3
1 course chosen from EC 205, EC 206, GB 101, GE 115, MM 121, MM 201, MM 203, P 101, SO 101, or SO 102	3
Total	66

The associate of applied science (A.A.S.) degree articulates with BSU's bachelor of applied science (B.A.S.) degree.

Course Offerings

See page 53 for a definition of the course-numbering system.

SE RECREATIONAL AND SMALL ENGINE REPAIR

SE 101 SMALL ENGINE LABORATORY (1-18-0-9) (F). Includes basic application and instruction in repair and overhaul of small engine units with emphasis on lawn and garden equipment.

SE 102 SMALL ENGINE LABORATORY (1-18-0-9) (S). Options include basic repair and maintenance of outdoor power equipment, recreational vehicles, motorcycles, snowmobiles and/or outboard marine engines.

SE 129 INTRODUCTION TO MICROCOMPUTERS (1-1-0-1) (S). Introduces the student to microcomputer skills related to the mechanical technology service field, including DOS and basic word processing.

SE 141 SMALL ENGINE THEORY (5-1-0-5) (F). Includes basic application and instruction of the internal combustion engine and principles of two and four cycle engines, carburetion, and electrical systems are covered.

SE 142 SMALL ENGINE THEORY (5-1-0-5) (S). Includes basic instruction in power train, trouble shooting, fuel systems, ignition systems, and tune-up, on preselected recreational and small engine equipment.

SE 181 OCCUPATIONAL RELATIONS (3-1-0-3) (S). Includes classroom and laboratory activities to become skilled in dealing effectively with customers

and for applying.for, getting, maintaining, and advancing in employment.

SE 201 ADVANCED SMALL ENGINE LABORATORY (1-18-0-9) (F). Includes advanced application and instruction in repair and overhaul of recreational and small engine units.

SE 202 ADVANCED SMALL ENGINE LABORATORY (1-18-0-9) (S). Includes advanced repair and maintenance of one or more of the following: recreational All Terrain Vehicles (ATV), motorcycles, snowmobiles, personal water craft, outboard marine engines, and outdoor power equipment.

SE 241 ADVANCED SMALL ENGINE THEORY (3-1-0-3) (F). Provides advanced principles and instruction of the two and four cycle engines internal combustion engine, carburetion, and electrical systems.

SE 242 ADVANCED SMALL ENGINE THEORY (3-1-0-3) (S). Includes advanced principles and instruction in power train, clutching, trouble shooting, ignition systems, fuel systems, tune up, and overhaul on preselected recreational and small engine equipment.

Refrigeration, Heating, and Air Conditioning (9-Month Program)

Instructor: Messick.

Leading to a technical certificate, the Refrigeration, Heating, and Air Conditioning Program offers laboratory experience and theory classes designed to prepare students for entry-level employment. Emphasis is on the servicing of commercial and residential equipment. The program covers all skills and knowledge necessary to repair the equipment, with a strong emphasis on safety.

Refrigeration, Heating, and Air Conditioning Technical Certificate

Course Number and Title	Credits
RH 121 Air Conditioning Lab	7
RH 122 Air Conditioning Lab	9
RH 141 Air Conditioning Theory	6
RH 142 Air Conditioning Theory	7
RH 262 Occupational Relations	3
TS 111 Applied Communications	3
TS 131 Technical Math I	1
TS 133 Technical Math II	1
TS 135 Technical Math IV	1
Total	38

Course Offerings

See page 53 for a definition of the course-numbering system.

RH AIR CONDITIONING, REFRIGERATION AND HEATING

RH 121 AIR CONDITIONING, REFRIGERATION AND HEATING LABORATORY (1-15-0-7) (F). This course provides the laboratory application of principles covered in the theory class. Skills will be developed and practice will be provided which will be needed by the service person company. Different phases of air conditioning, refrigeration and heating will be covered.

RH 122 AIR CONDITIONING, REFRIGERATION AND HEATING LABORATORY (1-18-0-9) (S). This course provides advanced laboratory application of principles covered in the theory class. Skills will be developed and practice will be provided either on site of with a local company. Different phases of air conditioning, refrigeration and heating will be covered.

RH 141 AIR CONDITIONING, REFRIGERATION AND HEATING THEORY (6-1-0-6) (F). This course provides a basic understanding of the equipment and tools used on commercial and residential refrigeration, heating and air conditioning equipment including heat pumps. Emphasis is on causes of break downs and the making of necessary repairs. Test equipment is used in the inspection of components such as relays, thermostats, motors, refrigerant lines, compressors, evaporators, condensers, oil and gas heating equipment, metering devices and electrical circuitry.

RH 142 AIR CONDITIONING, REFRIGERATION AND HEATING THEORY (7-1-0-7) (S). This course provides advanced understanding of the equipment and tools used on commercial and residential refrigeration, heating and air conditioning equipment including heat pumps. Emphasis is on causes of break downs and the making of necessary repairs. Test equipment is used in the inspection of components such as relays, thermostats, motors, refrigerant lines, compressors, evaporators, condensers, oil and gas heating equipment, metering devices and electrical circuitry.

RH 262 OCCUPATIONAL RELATIONS (3-1-0-3) (F). Course is designed to enable a student to become skilled in dealing effectively with people and for applying, securing, maintaining, and advancing in employment. It also helps students deal with stress and become more efficient in time management.

Respiratory Therapy Technician (13-Month Program)

Instructors: McCrink, Pukstas, Reed.

Leading to a technical certificate, the Respiratory Therapy Technician Program is designed to provide students with the theory and skills necessary for employment as a respiratory therapy technician. In addition, the program prepares students for the Certified Respiratory Therapy Technician National Examination. The program includes the study of anatomy, physiology, microbiology, pharmacology, pathology, and specialized subjects related to respiratory therapy.

Clinical experience consists of supervised, acute, and long-term care experience in treating respiratory disease. The various acute and long-term care facilities provide a diversified experience in cardiopulmonary care. The program is fully accredited by the Council on Allied Health Education and Accreditation of the American Medical Association.

Respiratory Therapy Technician Technical Certificate

Course Number and Title	Credits
RS 108 Basic Airway Management	1
RS 109 Medical Terminology	1
RS 111 Anatomy and Physiology	4
RS 112 Basic Science	2
RS 113 Clinical Assessment	2
RS 114 Gas Therapy Theory	3
RS 115 Gas Therapy Lab	1
RS 117 Communications	1
RS 119 Microbiology	1
RS 120 Pharmacology	3
RS 121 Clinical Practicum I	2
RS 122 Hyperinflation Therapy	1
RS 150 Advanced Airway Management	1
RS 151 Cardiopulmonary Pathophysiology	4
RS 153 Electrocardiography	1
RS 154 Mechanical Ventilation Theory	4
RS 155 Mechanical Ventilation Lab	3
RS 156 Pulmonary Function Theory	1
RS 158 Clinical Practicum II	4
RS 159 Pediatrics and Neonatology	1
RS 175 Clinical Lecture Series	3
RS 176 Respiratory Care Review	4
RS 179 Clinical Practicum III	8
Total	56

Course Offerings

See page 53 for a definition of the course-numbering system.

RS RESPIRATORY THERAPY TECHNICIAN

RS 108 BASIC AIRWAY MANAGEMENT (1-0-0-1) (SU). An introduction to basic airway management and the resuscitation instruction and application to the adult, child and infant within the medical facility. PREREQ: PERM/INST.

RS 109 MEDICAL TERMINOLOGY (1-0-0-1) (SU). A study of the language of medicine organized into basic work structure (prefixes, roots, suffixes) and terms pertaining to the body systems. PREREQ: PERM/INST.

RS 111 ANATOMY AND PHYSIOLOGY (4-0-0-4) (SU). A study of the body systems and functions and their interrelationships, with a focus on the cardiopulmonary systems. PREREQ: PERM/INST.

RS 112 BASIC SCIENCE (2-0-0-2) (F). A general science study including a review of basic mathematics, chemistry, and physics with emphasis on gas laws. PREREQ: PERM/INST.

RS 113 CLINICAL ASSESSMENT (2-0-0-2) (F). The practice of respiratory assessment including breath sounds, inspection, auscultation, palpation, percussion, and chest physiotherapy care. PREREQ: PERM/INST.

RS 114 GAS THERAPY THEORY (3-0-0-3) (F). The detailed study of gases, aerosols, and humidity and their application to respiratory care. PREREQ: PERM/INST.

RS 115 GAS THERAPY LAB (0-3-0-1) (F). Practical application of all gas therapy apparatus. Students will assemble, disassemble and apply gas delivery equipment. PREREQ: PERM/INST.

RS 117 COMMUNICATIONS (1-0-0-1) (F). Practical application of communications. Includes the study of terminology, legal aspects, ethics and job-seeking skills. PREREQ: PERM/INST.

RS 119 MICROBIOLOGY (1-0-0-1) (F). A study of the classification, morphology, identification, and physiology of microorganisms with special emphasis on handling, cleaning, culturing and sterilization of contaminated equipment. PREREQ: PERM/INST.

RS 120 PHARMACOLOGY (3-0-0-3) (F). An introduction to commonly used drugs in respiratory care including principles and routes of drug administration, actions, indications, contraindications and physiologic responses. PREREQ: PERM/INST.

RS 121 CLINICAL PRACTICUM I (0-0-90-2) (F). The student will obtain experience under the direct supervision of clinical instructors in community medical facilities. PREREQ: PERM/INST.

RS 122 HYPERINFLATION THERAPY (1-0-0-1) (F). A study of the theory and application of intermittent positive pressure breathing (IPPB) and incentive spirometry (IS). PREREQ: PERM/INST.

RS 150 ADVANCED AIRWAY MANAGEMENT (1-0-0-1) (F). A study of the placement, use and care of artificial airways including intubation, extubation, manual ventilation and suctioning. PREREQ: PERM/INST.

RS 151 CARDIOPULMONARY PATHOPHYSIOLOGY (4-0-0-4) (S). A study of the cardiopulmonary systems and their effects on other body systems, normal physiology, and pathological entities including the role of respiratory care in certain disease states. PREREQ: PERM/INST.

RS 153 ELECTROCARDIOGRAPHY (1-0-0-1) (F). A study of the normal and abnormal cardiac tracings and basic EKG interpretations and the practice of EKG techniques. PREREQ: PERM/INST.

RS 154 MECHANICAL VENTILATION THEORY (4-0-0-4) (S). A comprehensive study of ventilators, original through current models, including the mechanical and physiological aspects of long-term ventilatory support, and care of the patient on life support systems. PREREQ: PERM/INST.

RS 155 MECHANICAL VENTILATION LAB (0-6-0-3) (S). Lab practice with original through current models of ventilators, including special techniques, and augmented by clinical experience. PREREQ: PERM/INST.

RS 156 PULMONARY FUNCTION THEORY (1-0-0-1) (S). A study of the history, techniques, and interpretation of pulmonary function studies in "state-of-the-art" testing. The study of etiology and symptomatology of diseases and their relationship to pulmonary function studies is included. PREREQ: PERM/INST.

RS 158 CLINICAL PRACTICUM II (0-0-180-4(S). The student will obtain clinical experience under direct supervision of clinical instructors in community medical facilities. PREREQ: PERM/INST.

RS 159 PEDIATRICS AND NEONATOLOGY (1-0-0-1) (S). A study of the development of the respiratory system during gestation, infancy, and early childhood, and common complications and equipment used. PREREQ: PERM/INST.

RS 175 CLINICAL LECTURE SERIES (3-0-0-3) (SU). Physician-instructed study of pulmonary and cardiac diseases with emphasis on their clinical management. PREREQ: PERM/INST.

RS 176 RESPIRATORY CARE REVIEW (4-0-0-4) (SU). The theory and clinical applications of modalities including incubators, hypothermia units, infant warmers and pleural suction. PREREQ: PERM/INST.

RS 179 CLINICAL PRACTICUM III (0-0-360-8) (SU). The student will obtain clinical experience under direct supervision of clinical instructors in community medical facilities. PREREQ: PERM/INST.

Surgical Technology (9-Month Program)

Instructor: Jacobs, Lee, Sumter.

Leading to a technical certificate, the Surgical Technology Program consists of competency-based classroom, laboratory, and clinical instruction, offered in conjunction with area hospitals. The program is accredited by the American Medical Association Committee on Allied Health and Education and Accreditation. After completing the program, students are eligible to take the National Certification Exam for Surgical Technologists.

Classroom and laboratory work includes instruction and practice in operating room techniques, infection prevention and control, care of surgical patients, and human anatomy and physiology. Clinical experience includes supervised hands-on hospital experience in scrubbing for a variety of surgical procedures. Failure to meet requirements in the theory or clinical areas may result in termination from the program.

Surgical Technology
Technical Certificate

Course Number and Title	Credits
ST 100 Introduction & Basic Sciences	3
ST 101 Operating Room Techniques	4
ST 102 Sterilization & Disinfection	1
ST 110 Preparation of Surgical Patient	3
ST 111 Surgical Procedures	7
ST 116 Peri Operative Care Surgical Patient	1
ST 132 Surgery Clinical Practice	9
ST 140 Anatomy & Physiology for Surgical Technology	6
ST 262 Intro Computer Applications to Occupational Relations	2
Total	36

Course Offerings

See page 53 for a definition of the course-numbering system.

ST SURGICAL TECHNOLOGY

ST 100 INTRODUCTION AND BASIC SCIENCES (3-0-0-3) (F). The study of: (1) the health care team and its language; (2) the evolution of asepsis; (3) ethical, moral and legal responsibilities; (4) the operating room suite; (5) principles of asepsis; (6) introduction to pharmacology; (7) introduction to oncology; (8) disease conditions; (9) diagnostic procedures; and (10) communication in surgical technology, including introduction to computers.

ST 101 OPERATING ROOM TECHNIQUES (3-3-0-4) (F). The study of: (1) safety and economy in the operating room; (2) duties of the scrub and circulating technician; (3) surgical hand scrub, gown and glove procedures; (4) draping techniques; (5) sutures and needles; (6) sponges, dressings, drains, care of specimens; and (7) instruments and special equipment.

ST 102 STERILIZATION AND DISINFECTION (1-1-0-1) (S). The study of: (1) introduction to microbiology the microbe; (2) introduction to microbiology the body's defenses; (3) injury, wound healing and hemostatic; (4) infection the process, prevention and control; and (5) sterilization and disinfection methods.

ST 110 PREPARATION OF THE SURGICAL PATIENT (2-3-0-3) (F). The study and practice designed to enable the student to become skilled in assisting with the preparation, transportation, positioning, and anesthesia of the surgical patient.

ST 111 SURGICAL PROCEDURES (6-3-0-7) (S). The study of: (1) general surgical procedures; (2) general abdominal procedures; (3) orthopedic surgery; (4) obstetric and gynecological procedures; (5) genitourinary and transplant surgery; (6) plastic surgery; (7) ophthalmic surgery; (8) ear, nose, throat, oral surgery; (9) neurosurgery; (10) microsurgery; (11) cardiovascular and thoracic surgery; and (12) pediatric and geriatric surgery. Each of the modules includes a brief history, procedures, special considerations, and the drugs used.

ST 116 PERI OPERATIVE CARE OF SURGICAL PATIENT (1-2-0-1) (S). The study of patient care in recovery room, outpatient surgery, and emergency room procedures.

ST 132 SURGERY CLINICAL PRACTICE (0-0-405-9) (S). Clinical experience in surgery, scrubbing, and orientation to circulating.

ST 140 ANATOMY AND PHYSIOLOGY FOR SURGICAL TECHNOLOGY (6-0-0-6) (F). A study of the normal structure and function of the body cells, tissues, organs and systems, including interrelationship of body systems.

ST 262 INTRODUCTION COMPUTER APPLICATION TO OCCUPATIONAL RELATIONS (2-0-0-2) (F). A study of job-seeking skills, written communication, interpersonal relations, and hands-on use of computer technology to complete a personal data packet.

Technical Support Course Offerings

See page 53 for a definition of the course-numbering system.

TS TECHNICAL SUPPORT

TS 111 APPLIED COMMUNICATIONS (3-1-0-3) (F/S). Principles and applications of workplace communications. Topics include study skills, language mechanics, business writing, oral/nonverbal communications, and textbook and manual usage. PREREQ: CPT Sentence Skills Score of 71 or above.

TS 130 MECHANICAL MATH (1-1-0-1) (F/S). Introduces mathematical skills relevant to the mechanical industry. Topics include: whole numbers, fractions, decimals, percents, proportions, basic electrical calculations, and angels. First four-week block.

TS 131 TECHNICAL MATH I (1-1-0-1) (F/S). Basic mathematical concepts and procedures providing a foundation for the technical math sequence. Topics include estimating, calculator usage, percents, ratios/proportions, technical applications of basic math operations, and word problems analysis. First five-week block.

TS 133 TECHNICAL MATH II (1-1-0-1) (F/S). Problem solving using applications of intermediate math principles for applied technology. Topics include graphs, signed numbers, units of measurement, exponents and roots, business applications, and solving math formulas. Second five-week block. PREREQ: CPT math score of 66 or above, or TS 131.

TS 134 TECHNICAL MATH III (1-1-0-1) (F/S). Applied business math principles. Topics include banking records, business and consumer loans, payroll calculations, cash and trade discounts, and retail mark up/mark down. Third five-week block. PREREQ: CPT score of 90 or above, or TS 133.

TS 135 TECHNICAL MATH IV (1-1-0-1) (F/S). Practical applications of basic algebra. Topics include algebraic operations, equations, inequalities, graphing linear equations, and algebraic problem solving. Third five-week block.

TS 137 TECHNICAL MATH V (1-1-0-1) (S). Principles of basic geometry and trigonometry relating to applied technology. First five-week block. PREREQ: TS 135.

TS 139 TECHNICAL MATH VI (3-1-0-3) (F/S). Intermediate principles of algebra, geometry, and trigonometry for applied technology. PREREQ: CPT algebra score of 76, or TS 135.

TS 141 TECHNICAL MATH VII (3-1-0-3) (F/S). Intermediate math for applied technology. Topics cover concepts of statistics, direct applications of algebra, and graphing of functions. PREREQ: TS 139.

Welding and Metals Fabrication (11-Month Program)

Instructors: Arambarri, Baldner.

Leading to a technical certificate, the Welding and Metals Fabrication Program provides students with instruction, practical experience, and related theory in shielded metal arc welding, gas metal arc welding, flux-cored arc welding, gas tungsten arc welding, manual and automatic oxyacetylene burning, brazing, soldering, air carbon arc gouging, and plasma arc gouging and cutting.

Students learn blueprint reading and layout skills and apply them by using common hand layout tools, mechanical metal shears, mechanical metal-bending equipment, drilling equipment, precision automated oxyacetylene burning equipment, computer numerical controlled plasma cutting equipment, precision computer numerical controlled metal shearing equipment, precision computer numerical controlled oxyacetylene shape-cutting equipment, computer numerical controlled assisted metal-bending equipment, and other tools of the trade.

Welding and Metals Fabrication Technical Certificate

Course Number and Title	Credits
W 106 Welding Laboratory	8
W 107 Welding Laboratory	8
W 108 Welding Lecture/Laboratory	7
W 125 Blueprint Reading and Layout	3
W 126 Blueprint Reading and Layout	7
W 155 Welding Theory	4
W 156 Welding Theory	1
W 157 Introduction to Microcomputers	1
W 262 Occupational Relations	3
TS 111 Applied Communications	3
Total	45

Course Offerings

See page 53 for a definition of the course-numbering system.

W WELDING

W 106 WELDING LABORATORY (1-16-0-8) (F). Student apply and practice those skills discussed in the welding theory and blueprint reading and layout courses. Emphasis will be on acquiring new skills in a number of areas related to the occupation including shielded metal arc welding (SMAW) (stick welding); oxyacetylene burning (manual and automatic); oxyacetylene brazing, soldering and welding (OAW); gas metal arc welding (GMAW)(MIG); flux cored arc welding (FCAW); material identification; electrode selection; and layout and fabrication skill.

W 107 WELDING LABORATORY (1-16-0-8) (S). Student apply and practice those skills discussed in the welding theory and blueprint reading and layout courses. Emphasis will be on acquiring job entry level skills in the following areas: shielded metal arc welding (SMAW); oxyacetylene burning (manual and automatic); oxyacetylene brazing, soldering and welding (OAW); gas metal arc welding (GMAW)(MIG); flux cored arc welding (FCAW); material identification; electrode selection; layout and fabrication skill; air arc gouging; and welder qualification tests. PREREQ: W 106 or PERM/INST.

W 108 WELDING LECTURE/LABORATORY (1-13-0-7) (SU). Summer session (2 months) for basic students to continue on track and for advanced students to work into TIG, PIPE and qualification tests. Further emphasis on blueprint analysis, properties of materials, and safe operating procedures is given. PREREQ: W 107 or PERM/INST.

W 125 BLUEPRINT READING AND LAYOUT (3-1-0-3) (F). Basics of orthographic drawing, layout and fabrication techniques for plate and gauge material developments or rectangular and triangular shapes, flat pattern development of rectangular shapes, and the related math required to accomplish the above listed developments.

W 126 BLUEPRINT READING AND LAYOUT (7-1-0-7) (S). Advanced blueprint reading and layout techniques to develop triangular constructions, rectangle to rectangle transitions, round to round transitions, circles and rolled shapes as well as the related math. Also included will be structural detailing, layout and fabrication of structural shapes and the related symbols, y abbreviations and ordering information. PREREQ: W 125 or PERM/INST.

W 155 WELDING THEORY (4-1-0-4) (F). Practical working knowledge of the following topics: basic welding theory; oxyacetylene burning; electrode selection; continuous wire feed welding processes; oxyacetylene brazing; soldering and welding; properties of materials; material identification and basic metallurgy.

W 156 WELDING THEORY (1-1-0-1) (S). Practical working knowledge of the following topics: welding sheet metal with the SMAW and GMAW processes; control of arc blow and welding distortion; air arc gouging; and welder qualification testing. PREREQ: W 155 or PERM/INST.

W 157 INTRODUCTION TO MICROCOMPUTERS (1-1-0-1) (SU). Microcomputer skills related to the welding field, including disk operating system (DOS) and basic word processing.

W 262 OCCUPATIONAL RELATIONSHIPS (3-1-0-3) (S). An examination of occupational requirements. Focuses on job-seeking skills, employer and employee relations, social security, and workmen's compensation laws, Cardiac Pulmonary Resuscitation and First Aid.

Boise State University Faculty
Full-Time Official Faculty as of February 1997

NOTE: The date in parentheses is the year of first appointment.

A

Ackley Louise.....(1969)
Assistant Professor, English; A.M., University of Washington

Adams Carmen.....(1993)
Assistant Professor, Nursing; M.S., Idaho State University

Affleck Stephen B.....(1981)
Chair and Professor, Civil Engineering; Ph.D., Iowa State University.

Ahmed-Zaid Said.....(1996)
Associate Professor, Electrical Engineering; Ph.D., University of Illinois at Urbana-Champaign

Allen John W.....(1971)
Professor, Physics; Ph.D., Harvard University

Allen Robert L.....(1976)
Program Head and Senior Instructor, Industrial Maintenance Technology; B.A., Boise State University

Allerton Barbara.....(1994)
Assistant Professor, Nursing; M.S., Virginia Commonwealth University

Alm Leslie.....(1991)
Associate Professor, Political Science; Ph.D., Colorado State University

Altieri Jennifer.....(1995)
Assistant Professor, Elementary Education and Specialized Studies; Ph.D., Texas A & M University

Amato-Henderson Susan.....(1996)
Assistant Professor, Psychology; Ph.D., University of North Dakota

Andersen Rudy A.....(1992)
Assistant Professor, Health Studies; D.D.S, Washington University

Anderson Calvin Kent.....(1990)
Assistant Professor, English; M.F.A., University of Montana

Anderson Holly L.....(1989)
Chair and Associate Professor, Foundations, Technology, and Secondary Education; Ph.D., Utah State University

Anderson Jeffrey M.....(1986)
Director, Clinical Education and Associate Professor, Respiratory Therapy; B.S., University of Wisconsin, Madison

Anderson Robert.....(1970)
Professor, Mathematics; Ph.D., Michigan State University

Anooshian Linda James.....(1988)
Professor, Psychology; Ph.D., University of California, Riverside

Anson Robert.....(1990)
Associate Professor, Computer Information Systems and Production Management; Ph.D., Indiana University

Arambarri Gary.....(1976)
Manager, Industrial/Mechanical Division; Senior Instructor, Welding; B.S. Education, University of Idaho

Armstrong James.....(1992)
Associate Professor, Foundations, Technology, and Secondary Education; Ph.D., University of Illinois

Ashworth Lonny J.....(1977)
Chair and Associate Professor, Respiratory Therapy; M.Ed., College of Idaho

Atlakson Philip.....(1985)
Associate Professor, Theatre Arts; M.A., State University of New York, Binghamton

Ayers Kathleen L.....(1983)
Associate Professor, Mathematics; Ph.D., University of Idaho

B

Bacon Stephanie.....(1996)
Assistant Professor, Art; M.F.A., Brooklyn College

Bahruth Robert.....(1988)
Associate Professor, Elementary Education and Specialized Studies; Ph.D., University of Texas, Austin

Baker Charles W.....(1968)
Professor, Biology; Ph.D., Oregon State University

Baker Richard P.....(1973)
Professor, Sociology; Ph.D., Washington State University

Baldassarre Joseph A.....(1975)
Professor, Music; D.M.A., Case Western Reserve University

Baldner Ronald.....(1978)
Program Head; Senior Instructor, Welding; M.Ed., University of Idaho

Baldwin John B.....(1971)
Professor, Music; Ph.D., Michigan State University

Ballenger Bruce.....(1995)
Assistant Professor, English; M.A., University of New Hampshire

Baltzell Michael L.....(1991)
Assistant Professor, Theatre Arts; M.F.A., Idaho State University

Bammel Brad P.....(1988)
Associate Professor, Chemistry; Ph.D., University of New Orleans

Banks Richard C.....(1968)
Chair and Professor, Chemistry; Ph.D., Oregon State University

Barney Lloyd Dwayne.....(1986)
Chair and Professor, Marketing and Finance; Ph.D., Texas A & M

Barr Robert.....(1991)
Dean and Professor, College of Education; Ph.D., Purdue University

Barrera Manuel.....(1996)
Assistant Professor, Elementary Education and Specialized Studies; Ph.D., Pennsylvania State University

Bartoszynski Tomasz.....(1990)
Assistant Professor, Mathematics; Ph.D., Warsaw University, Poland

Battallio John T.....(1995)
Assistant Professor, English; Ph.D., Texas A & M University

Baughn C Christopher.....(1995)
Assistant Professor, Management; Ph.D., Wayne State University

Bauwens Jeanne.....(1977)
Professor, Elementary Education and Specialized Studies; Ed.D., University of Idaho

Bechard Marc Joseph.....(1983)
Graduate Program Coordinator, Raptor Biology; Professor, Biology; Ph.D., Washington State University

Beckman Terrie L.....(1990)
Advanced Instructor, Dental Assisting; Certificate, Boise State University

Belfy Jeanne Marie.....(1983)
Professor, Music; Ph.D., University of Kentucky

Belthoff James.....(1993)
Assistant Professor, Biology; Ph.D., Clemson University

Benson Elmo B.....(1975)
Associate Professor, Art; Ed.D., University of Idaho

Bentley Elton B.....(1980)
Professor, Geosciences; Ph.D., University of Oregon

Benton Danny.....(1983)
Standard Instructor, Drafting Technology; B.S., La Salle Extension University

Berg Lynn R.....(1984)
Professor, Music; D.M.A., University of Wisconsin, Madison

Berreth John.....(1993)
Interim Instructor, Machine Tool Technology; Certificate, Solano Community College

Bigelow John D.....(1982)
Professor, Management; Ph.D., Case Western Reserve University

Birdsall, Bobbie A.....(1995)
Assistant Professor, Counseling, Ph.D., Oregon State University

Bixby Michael B.....(1981)
Professor, Management; J.D., University of Michigan

Blain Michael.....(1982)
Chair and Professor, Sociology; Ph.D., University of Colorado

Blackburn Leslie.....(1992)
Program Head and Standard Instructor, Horticulture; B.A.S., Boise State University

Blankenship Jim.....(1977)
Professor, Art; M.F.A., Otis Art Institute

Boren Robert R.....(1971)
Professor, Communication; Ph.D., Purdue University

Boucher Teresa.....(1994)
Assistant Professor, Modern Languages; Ph.D., Princeton University

Boyer Dale K.....(1968)
Professor, English; Ph.D., University of Missouri, Columbia

Bratt J Wallis.....(1970)
Associate Professor, Music; M.M., University of Utah

Brender Susan I.....(1969)
Professor, Computer Information Systems & Production Management; Ph.D., University. of Iowa

Brin Beth L.....(1995)
Reference Librarian and Assistant Professor, Library Science; M.L.S., San Jose State University

Brinton Alan P.....(1975)
Associate Vice President for Academic Affairs, Professor, Philosophy; Ph.D., University of Minnesota, Minneapolis

Brown Marcellus.....(1989)
Associate Professor, Music; M.M., University of Michigan

Brown Timothy.....(1977)
University Librarian; Associate Professor, Library Science; M.S., University of Illinois

Browning William.....(1996)
Assistant Professor, Modern Languages; D.M.L., Middlebury College

Brownfield Theodore E.....(1979)
Advanced Instructor, Heavy Duty Mechanics-Diesel; Certificate

Brudenell Ingrid.....(1992)
Associate Professor, Nursing; Ph.D., Oregon Health Sciences University

Buchanan Mark A.....(1996)
Assistant Professor, Management; LI.M., University of Illinois at Urbana-Champaign

Budde James.....(1994)
Assistant Professor, Art; M.F.A., California State University, Fullerton

Buffenbarger James.....(1991)
Assistant Professor, Mathematics, Ph.D., University of California-Davis

Buhler Peter.....(1977)
Professor, History; Ph.D., University of California-San Diego

Bullock Douglas.....(1995)
Assistant Professor, Mathematics; Ph.D., University of Iowa

Bunnell David.....(1996)
Assistant Professor, Mechanical Engineering; Ph.D., University of Texas at Austin

Burkey Ralph ..... (1973)
Program Head; Senior Instructor, Drafting Technology, M.Ed., University of Idaho
Burns Joie ..... (1994)
Instructor, Radiologic Sciences; B.S., Boise State University
Buss Stephen R ..... (1978)
Associate Professor, Theatre Arts; Ph.D., Washington State University
Button Sherman G ..... (1976)
Professor, Health, Physical Education and Recreation; Ph.D., University of Utah

C

Cadwell Dan E ..... (1981)
Senior Instructor, Business Systems and Computer Technology; A.A.S., Boise State University
Campbell Jeffery ..... (1995)
Assistant Professor, Construction Management; M.S., University of Phoenix
Cantrell Thomas ..... (1993)
Program Head, Instructor, Electrical Lineworker; B.S., Boise State University
Carey Jean ..... (1994)
Instructor, Nursing; B.S., Columbia University
Carlton Janet ..... (1974)
Senior Instructor, Business Technology; M.A., Boise State University
Carter Loren S ..... (1970)
Professor, Chemistry; Ph.D., Washington State University
Casner Nicholas A ..... (1992)
Assistant Professor, History; Ph.D., Carnegie-Mellon University
Centanni Russell ..... (1973)
Professor, Biology; Ph.D., University of Montana
Chastain Garvin ..... (1978)
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Christensen Steve ..... (1987)
Associate Professor, Foundations, Technology, and Secondary Education; Ph.D., University of Idaho
Colby Conrad ..... (1970)
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Cook Sharon ..... (1991)
Associate Dean and Associate Professor, Larry G. Selland College of Applied Technology; Ed.D., University of San Francisco
Cook James D ..... (1992)
Chair and Professor, Music; D.M.A., University of Southern California
Corbin A Robert ..... (1967)
Assistant Professor, Sociology; Th.M., Iliff School of Theology
Cortens Andrew ..... (1996)
Assistant Professor, Philosophy; Ph.D., Syracuse University
Cotrell Gretchen ..... (1991)
Assistant Professor, Social Work; Ph.D., University of California, Berkeley
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Cox T Virginia ..... (1967)
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Craner G Dawn ..... (1973)
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Dillon Rita ..... (1996)
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Dodson Jerry ..... (1970)
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Donaldson Paul R ..... (1975)
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Donoghue Dennis J ..... (1973)
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Douglas Dorothy P ..... (1981)
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Douglass J D Jr ..... (1972)
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Downey Margaret ..... (1994)
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Draayer Gerald F ..... (1976)
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Dubert LeeAnn ..... (1992)
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Lee F Billie....(1996)
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LeMaster Clifford....(1990)
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Lindsey Melinda....(1987)
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Luke Robert A....(1968)
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Lundy Phoebe J....(1966)
Associate Professor, History; M.S., Drake University
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Lyons Lamont S....(1977)
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Maguire James H....(1970)
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Maher Matthew....(1989)
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Maloof Giles....(1968)
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Markel Michael....(1990)
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Martin Carol A....(1972)
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Martinsen Connie Rae....(1992)
Standard Instructor, Child Care and Development; B.Ed., University of Hawaii
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Mathie David....(1992)
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McChesney John W....(1995)
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McCloskey Richard....(1976)
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McCorkle Suzanne....(1978)
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McCrorie Duane R....(1985)
Assistant Professor, Radiologic Sciences; M.S., Whitworth College
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Sadler Norma J ..... (1973)
Professor, Elementary Education and Specialized Studies; Ph.D., University of Wisconsin, Madison
Sahni Chaman L ..... (1973)
Chair and Professor, English; Ph.D., Wayne State University

Sallie Steven ..... (1981)
Associate Professor, Political Science; Ph.D., University of Nebraska

Samball Michael ..... (1976)
Associate Professor, Music; D.M.A., North Texas State University

Sanderson Irene ..... (1994)
Assistant Professor, English; Ph.D., University of Colorado, Boulder

Sanderson Richard K ..... (1971)
Associate Professor, English; Ph.D., New York University

Sarikas Robert ..... (1992)
Assistant Professor, Accounting; Ph.D., University of Illinois

Satterwhite Janet ..... (1991)
Assistant Professor, Nursing; M.S., University of Maryland

Saunders David ..... (1996)
Assistant Professor, Music; D.M.A., State University of New York, Stony Brook

Schackel Sandra K ..... (1989)
Associate Professor, History; Ph.D., University of New Mexico

Scheepers Marion ..... (1988)
Professor, Mathematics; Ph.D., University of Kansas

Schimpf Martin E ..... (1990)
Associate Professor, Chemistry; Ph.D., University of Utah

Schoedinger Andrew B ..... (1972)
Chair and Professor, Philosophy; Ph.D., Brown University

Schooley Diane ..... (1989)
Associate Professor, Finance; Ph.D., University of Colorado, Boulder

Schreffler, Joseph S ..... (1989)
Standard Instructor, Electronics Technology; B.S., California Polytechnic State University

Schroeder Gerald H ..... (1978)
Associate Professor, Music; D.M.A., University of Colorado

Schroeder Jeff D ..... (1981)
Program Head and Senior Instructor, Recreational and Small Engine Repair Technology; A.A.S., Boise State University

Seddon Carol ..... (1978)
Associate Professor, Health Studies; M.S., Oregon State University

Seibert Pennie S ..... (1990)
Associate Professor, Psychology; Ph.D., University of New Mexico

Selander Glenn E ..... (1966)
Assistant Professor, English; M.A., Utah State University

Sener Joseph ..... (1996)
Assistant Professor, Civil Engineering; Ph.D., Northwestern University

Shadle Susan ..... (1996)
Assistant Professor, Chemistry; Ph.D., Stanford University

Shallat Todd A ..... (1985)
Professor, History; Ph.D., Carnegie-Mellon University

Shannon Patrick ..... (1974)
Professor, Computer Information Systems and Production Management; Ph.D., University of Oregon

Shin N. Reed ..... (1994)
Interim Instructor, Drafting Technology; M.A., Harvard Graduate School of Design

Shook Gary ..... (1995)
Program Director and Associate Professor, Health Policy; Sc.D., Tulane University School of Public Health and Tropical Medicine

Shurtleff-Young Cheryl ..... (1978)
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Siegle Del ..... (1995)
Assistant Professor, Foundations, Technology, and Secondary Education; Ph.D., University of Connecticut

Sims Robert C ..... (1970)
Professor, History; Ph.D., University of Colorado

Singletary Ted J ..... (1989)
Associate Professor, Elementary Education and Specialized Studies; Ph.D., University of Illinois, Urbana-Champaign

Skillern William G ..... (1971)
Professor, Political Science; Ph.D., University of Idaho

Skoro Charles L ..... (1982)
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Slough Manly Ed ..... (1987)
Program Head; Standard Instructor, Culinary Arts

Sluder Stanley ..... (1983)
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Smith Brent ..... (1980)
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Smith James F ..... (1992)
Assistant Professor, Biology; Ph.D., University of Wisconsin

Smith Kirk ..... (1993)
Assistant Professor, Marketing and Finance; Ph.D., University of Houston

Smith William S ..... (1973)
Professor, Physics; Ph.D., University of Wisconsin, Madison

Snow Mark E ..... (1971)
Professor, Psychology; Ph.D., University of Utah

Snyder Walter S ..... (1984)
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Spear Caile E ..... (1996)
Assistant Professor, Health, Physical Education, and Recreation; Ph.D., University of Arkansas

Spinosa Claude ..... (1970)
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Springer Joanne W ..... (1988)
Associate Professor, Nursing; M.S.N., Yale University

Springer Pamela ..... (1989)
Director A.S. Nursing and Assistant Professor, Nursing; M.S., California State University., Fresno

Stack James D ..... (1984)
Advanced Instructor, Electronics Technology; M.S., New Jersey Institute of Technology

Staley Orland Scott ..... (1989)
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Stark Frank W ..... (1957)
Professor, Chemistry; M.S., Trinity College

Steiner Stanley ..... (1992)
Assistant Professor, Elementary Education and Specialized Studies; Ph.D., University. of Wyoming

Stewart Roger ..... (1995)
Professor, Elementary Education and Specialized Studies; Ph.D., Purdue University

Stieglitz Mary ..... (1989)
Professor, Art; Ph.D., University of Wisconsin

Stitzel Thomas E ..... (1975)
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Stoeckenuis Kai ..... (1992)
Technical Service Librarian, Assistant Professor, Library Science; M.L.S., University of California, Berkeley

Stokes Lee W ..... (1987)
Director of Environmental Health and Professor, Health Studies; Ph.D., University of Minnesota, Minneapolis

Stohr Mary K ..... (1993)
Assistant Professor, Criminal Justice Administration; Ph.D., Washington State University

Straub Hilary ..... (1984)
Associate Professor, Nursing; Ph.D., University of Texas at Austin

Strong Janet ..... (1973)
Orientation Librarian; Assistant to the University Librarian; Associate Professor, Library Science; M.L.S., University of Washington

Sulanke Robert ..... (1970)
Professor, Mathematics; Ph.D., University of Kansas

Sumter Bonnie J ..... (1978)
Manager and Advanced Instructor, Health and Services Division; B.S.Ed., University. of Idaho

T

Taye John A ..... (1975)
Professor, Art; M.F.A., Otis Art Institute

Taylor Adrien P Jr ..... (1977)
Head Librarian, Library; Professor, Library Science; M.A., University of Denver

Taylor David S ..... (1972)
Vice President, Student Affairs; Professor, Psychology; Ph.D., Michigan State University

Taylor Patricia A ..... (1975)
Associate Professor, Nursing; M.S., Idaho State University

Taylor Ronald S ..... (1975)
Professor, Art; M.F.A., Utah State University

TenEyck Theresa ..... (1989)
Standard Instructor, Business Technology; M.Ed., University of Idaho

Tennyson Stephen A ..... (1995)
Assistant Professor, Mechanical Engineering; Ph.D., Wayne State University

Thomason George ..... (1974)
Associate Professor, Music; M.A., Boise State University

Thorngren Connie M ..... (1970)
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Thorsen Carolyn ..... (1987)
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Tillman Charles ..... (1977)
Senior Instructor, Heavy Duty Mechanics-Diesel; Diploma, University of Idaho

Towle Mary Ann ..... (1976)
Program Head, Senior Instructor, Practical Nursing; M.Ed., University of Idaho

Travis Darlene K ..... (1989)
Chair and Assistant Professor, Radiologic Sciences; B.S., Idaho State University

Trusky Tom ..... (1970)
Professor, English; M.A., Northwestern University

Turner Lee Ann ..... (1996)
Assistant Professor, Art; Ph.D., University of Pennsylvania

Turrisi Robert ..... (1995)
Assistant Professor, Psychology; Ph.D., State University of New York at Albany

Twight Charlotte ..... (1986)
Professor, Economics; Ph.D., University of Washington

U

Uehling Karen S ..... (1981)
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V

Vaughn Ross E ..... (1973)
Chair and Professor, Health, Physical Education, and Recreation; Ph.D., Washington State University

Vinz Warren L ..... (1968)
Professor, History; Ph.D., University of Utah

Virta Alan ..... (1988)
Head of Special Collections, Library; Assistant Professor, Library Science; M.L.S., University of Maryland

W

Waag Charles J ..... (1981)
Professor, Geosciences; Ph.D., University of Arizona

Waite Wenden W ..... (1976)
Chair and Professor, Elementary Education and Specialized Studies; Ph.D., Utah State University

Waldorf Larry L ..... (1970)
Associate Professor, Marketing/Management Technology; Ph.D., Colorado State University

Walen R Sharon ..... (1996)
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Wallace Steve R ..... (1972)
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Walsh Anthony ..... (1984)
Professor, Criminal Justice Administration; Ph.D., Bowling Green State University

Wanek James ..... (1996)
Assistant Professor, Management; Ph.D., University of Minnesota

Ward Frederick R ..... (1969)
Professor, Mathematics; Ph.D., Virginia Polytechnic Institute and State University

Warner Kathleen C ..... (1966)
Assistant Professor, English; Ph.D., Indiana University, Bloomington

Wayne Katherine R ..... (1995)
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Weatherby James B ..... (1989)
Director, Public Affairs Program; Associate Professor, Political Science; Ph.D., University of Idaho

Wells David A ..... (1986)
Associate Professor, Music; M.M.E., VanderCook College of Music

Wertman Donald L ..... (1979)
Program Head; Senior Instructor, Machine Tool Technology; A.A.S., Pennsylvania State University

White Craig ..... (1980)
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White Harry ..... (1988)
Associate Dean for Academic Affairs and Graduate Director, College of Business and Economics, Assistant Professor, Finance; Ph.D., Texas A & M

Wicklow-Howard Marcia ..... (1975)
Professor, Biology; Ph.D., Oregon State University

Widmayer Jayne A ..... (1978)
Professor, English; Ph.D., University of Michigan

Wieland Mitchell ..... (1996)
Assistant Professor, English; M.F.A., University of Alabama

Wilkinson Timothy J ..... (1995)
Assistant Professor, Political Science; Ph.D., University of Utah

Willis Lonnie L ..... (1970)
Professor, English; Ph.D., University of Colorado, Boulder

Wilson Martha-Velerie K ..... (1994)
Assistant Professor, Social Work; Ph.D., University of Alabama

Wines William A ..... (1984)
Professor, Management; J.D., University of Michigan

Winward Robert ..... (1996)
Assistant Professor, Art; B.A., Weber State University

Witt Stephanie L ..... (1989)
Chair and Associate Professor, Political Science; Ph.D., Washington State University

Wojtkowski W Gregory ..... (1982)
Professor, Computer Information Systems and Production Management; Ph.D., Case Western Reserve University

Wojtkowski Wita ..... (1983)
Professor, Computer Information Systems and Production Management; Ph.D., Case Western Reserve University

Wollheim Peter ..... (1989)
Associate Professor, Communication; Ph.D., McGill University

Wood Spencer H ..... (1977)
Professor, Geosciences; Ph.D., California Institute Of Technology

Woods Shelton ..... (1994)
Assistant Professor, History; Ph.D., University of California, Los Angeles

Y

Young Katherine ..... (1988)
Professor, Elementary Education and Specialized Studies; Ed.D., Utah State University

Young Richard ..... (1994)
Gallery Director and Assistant Professor, Art; M.F.A., Washington State University

Yunker Douglas ..... (1976)
Associate Professor, Social Work; M.S.W., Indiana University

Z

Zaerr Linda M ..... (1987)
Associate Professor, English; Ph.D., Washington State University

Zirinsky Driek ..... (1984)
Professor, English; Ph.D., University of North Carolina Chapel Hill

Zirinsky Michael P ..... (1973)
Professor, History; Ph.D., University of North Carolina Chapel Hill

Boise State University Emeriti

Faculty

Dorothy Albertson, Professor, Office Administration (1953-1977)
Thelma F. Allison, Associate Professor, Home Economics (1946-1973)
John B. Barnes, President, Boise State University (1967-1977)
Gwynn W. Barrett, Professor, History (1968-1992)
Wylla D. Barsness, Professor, Psychology (1968-1992)
John Beitia, Professor, Teacher Education (1970-1985)
John H. Best, Professor, Music (1947-1983)
J. Patrick Bieter, Professor, Foundations, Technology, and Secondary Education (1969-1995)
Karen J. Bounds, Professor, Business and Office Education (1973-1995)
Bill Bowman, Department Chair and Professor, Physical Education (1969-1985)
Phyllis Bowman, Assistant Professor, Physical Education (1969-1985)
Jean C. Boyles, Assistant Professor, Physical Education (1949-1957,1962-1984)
C. Griffith Bratt, Professor, Music (1946-1976)
James R. Buchanan, Assistant Professor, Welding (1959-1978)
Richard E. Bullington, Vice President for Information Extension, Professor, Teacher Education (1968-1989)
Orvis Burmaster, Assistant Professor, English (1968-1993)
Clara Burtch, Associate Professor, Teacher Education, Library Science (1969-1978)
Tom J. Cade, Director, Raptor Research, Professor, Raptor Biology (1987-1993)
Erma M. Callies, Department Head and Counselor, Vocational Student Services (1969-1985)
William Carson, Associate Professor, Accounting (1963-1982)
Acel H. Chatburn, Professor, Education (1944-1977)
Marvin L. Clark, Professor, Computer Information Systems and Production Management (1969-1993)
Doran L. Connor, Assistant Professor, Physical Education (1966-1989)
Robert Cornwell, Professor, Business Communication (1969-1994)
David Crane, Head Catalog Librarian (1969-1991)
E. John Dahlberg, Professor, Teacher Education (1970-1989)
Norman Dahm, Department Chair and Professor, Construction Management and Pre-Engineering (1953-1990)
Mary Dallas, Program Head, Senior Instructor, Practical Nursing (1976-1989)
Jack L. Dalton, Professor, Chemistry (1958-1995)
James D. Doss, Associate Dean, College of Business, Associate Professor, Management (1970-1984)
Clisby Edlefsen, Professor, Business (1939-1969)
Wilber D. Elliott, Professor, Music (1969-1994)
Robert Ericson, Associate Professor, Theatre Arts, (1969-1993)
Evelyn C. Everts, Associate Professor, Library Science (1957-1977)
Marjorie Fairchild, Associate Professor, Library Science (1966-1975)
E. Coston Frederick, Professor, Teacher Education, (1971-1992)
H. K. Fritchman II, Professor, Biology (1954-1989)
Albert Fuehrer, Instructor, Auto Mechanics Technology (1965-1978)
Margaret Gourley, Advanced Instructor, Child Care and Development (1977-1992)
James Haefer, Associate Professor, Engineering (1982-1996)
Ralph W. Hansen, Associate University Librarian, Professor, Library Science (1979-1989)
Richard L. Hart, Dean, College of Education and Professor of Teacher Education (1977-1991)
Robert A. Hibbs, Professor, Chemistry (1965-1990)
Ken L. Hill, Associate Dean, College of Education, Professor of Teacher Education (1968-1991)
Ted H. Hopfenbeck, Associate Professor, Criminal Justice Administration (1967-1995)
James W. Hopper, Associate Professor, Music (1970-1986)
Gail Ison, Professor, Psychology (1970-1990)
Robert D. Jameson, Special Lecturer, Management (1979-1988)
Helen R. Johnson, Associate Professor, Business Education (1955-1978)
Fenton C. Kelley, Associate Professor, Biology (1969-1989)
Louis J. King, Instructor, Auto Mechanics Technology (1970-1985)
William Kirtland, Professor, Elementary Education and Specialized Studies (1969-1995)
Leo L. Knowlton, Professor, Marketing (1965-1985)
Ellis W. Lamborn, Professor, Economics (1968-1989)
Max Lamborn, Instructor, Parts Counterperson (1972-1981)
John Leigh, Jr., Instructor, Drafting Technology (1971-1983)
Ray Lewis, Associate Professor, Health, Physical Education, and Recreation (1956-1994)
Joan Lingenfelter, Program Head and Instructor, Child Care Services (1973-1988)
Hugh T. Lovin, Professor, History (1965-1992)
Briattha Lvkken, Associate Professor, English (1968-1994)
D. Jean MacInnis, Program Head and Senior Instructor, Dental Assisting (1962-1990)
Darwin W. Manship, Professor, Business Communication (1970-1991)
Ruth A. Marks, Professor, Teacher Education, Library Science (1970-1982)
Constance Matson, Associate Professor, Nursing (1968-1992)
Carroll Meyer, Professor, Music (1948-1985)
Florence M. Miles, Professor, Nursing (1955-1980)
Fredrick J. Norman. Professor, Theatre Arts (1969-1994)
Donald R. Oakes, Associate Professor, Music (1966-1996)
Donald J. Obee, Professor, Botany (1946-1977)
Thomas E. Olson, Standard Instructor, Drafting (1975-1990)
David L. Oravez, Chair and Professor, Art (1964-1994)
Patricia K. Ourada, Professor, History (1962-1993)
Willard Overgaard, Professor, Political Science (1972-1994)
Neldon D. Oyler, Program Head and Standard Instructor, Horticulture (1966-1992)
Herbert D. Papenfuss, Professor, Botany (1967-1992)
Louis A. Peck, Chair and Professor, Art (1955-1989)
Margaret Peek, Associate Dean, College of Arts and Sciences, Professor, English (1967-1987)
John L. Phillips, Chair and Professor, Psychology (1954-1989)
C. Harvey Pitman, Associate Professor, Communication (1966-1994)

David W. Rayborn, Associate Professor, Communication (1969-1996)
Elaine C. Rockne, Director and Instructor, Health Information Management (1968-1986)
Asa M. Ruyle, Vice-President for Finance and Administration, Professor, Psychology (1976-1994)
Duston R. Scudder, Professor, Marketing (1964-1987)
William E. Shankweiler, Professor, Theatre Arts (1956-1994)
Melvin Shelton, Professor, Music (1968-1992)
Ramlaykha Singh, Professor, Foundations, Technology, and Secondary Education (1975-1995)
Arny R. Skov, Professor, Art (1967-1995)
Frank Smartt, Assistant Professor, Mathematics (1958-1981)
Donald D. Smith, Professor, Psychology (1967-1984)
Lyle H. Smith, Director, Intercollegiate Athletics, Professor, Physical Education (1946-1981)
Harry L. Steger, Professor, Psychology (1972-1990)
Joan A. Suedmeyer, Associate Professor, Elementary Education and Specialized Studies (1986-1995)
Robert Sylvester, Associate Professor, History (1963-1982)
Yozo Takeda, Professor, Mathematics (1968-1994)
John S. Takehara, Professor, Art (1968-1993)
Albert Tennyson, Instructor, Industrial Communications (1966-1977)
Carl W. Tipton, Associate Professor, Management (1965-1980)
James Tompkins, Assistant Professor, Industrial Communications (1963-1985)
G. W. Underkofler, Associate Professor, Accounting (1952-1974)
JoAnn T. Vahey, Accreditation Coordinator, Professor, Nursing (1973-1995)
Luis J. Valverde Z., Professor, Languages (1965-1992)
Eunice Wallace, Associate Professor, English (1968-1978)
Gerald Wallace, Dean, Professor, College of Education (1968-1978)
William B. Warberg, Associate Professor, Computer Information Systems and Production Management (1977-1994)
Mont M. Warner, Professor, Geosciences; (1967-1984)
Allen Weston, Senior Instructor, Drafting Technology (1964-1985)
Wayne E. White, Professor, Management (1965-1987)
Marguerite Wilcox, Associate Professor, Nursing (1972-1991)
Edwin E. Wilkinson, Dean, Student Special Services, Professor, Psychology (1958-1992)
Peter K. Wilson, Professor, Business Administration (1966-1977)
Jim Wilterding, Professor, Management (1976-1994)
Ella Mae Winans, Associate Professor, Mathematics (1958-1983)
Gilbert A. Wyllie, Associate Professor, Biology (1965-19993)
Virgil M. Young, Professor, Education (1967-1996)

Professional Staff

Jacquelyn H. Cassell, Assistant to the President (1964-1995)
Ed Jacoby, Head Track Coach (19??-1996)
William Jensen, Dean, Continuing Education (1974-1995)
G. M. (Don) Miller, Coordinator, Business and Industry Relations (1969-1985)
Lester Nyborg, M.D., Director of Student Health Center (1976-1995)
Herbert W. Runner, Director, Institutional Research (1947-1984)
Darrell VanKleek, Controller (1969-1995)
Marlene Voulelis, Director, Administrative Data Processing (1981-1994)

Classified Staff

Edith Benson, Numerical Records Clerk, Housing (1969-1985)
Evelyn R. Bobo, Admissions Unit Supervisor (1968-1985)
Sylvia "Pat" Bowers, Senior Secretary, Radiologic Sciences (1976-1996)
Leona Brook, Custodian, Physical Plant (1971-1989)
Phyllis Carnahan, Administrative Assistant, Dean, College of Arts and Sciences (1969-1994)
Ruth Ann Caylor, Monographs Assistant, Library (1967-1987)
Mary Cozine, Secretary-Office Coordinator, Counseling Center (1972-1984)
Marylou Crane, Housing Accountant Representative (1970-1992)
Bene Donahue, Administrative Secretary, President's Office (1970-1992)
Elaine Durbin, Administrative Assistant, College of Health Science (1972-1986)
Patricia J. Durie, Secretary/Coordinator, Political Science (1970-1988)
Homer Erickson, Grounds Maintenance, Physical Plant (1973-1992)
Isis Frost, Veteran's Clerk, Registrar's Office (1979-1993)
Jean Galland, Head Mechanic, Physical Plant (1972-1993)
Dorothy Haskins, Clerical Specialist, Curriculum Resource Center, Library (1972-1988)
Virginia Hemingway, Graduate Admissions Coordinator, Graduate College (1974-1994)
Dorothy Huston, Senior Secretary, Modern Languages (1974-1995)
Norma Ireland, Senior Buyer, Purchasing, (1968-1996)
Ione Jolly, Library Assistant I (1968-1986)
Inez Keen, Postal Service Supervisor (1969-1986)
Claudette Levesque, Senior Secretary, Biology, (1976-1996)
Margaret McGhee, Administrative Secretary, College of Education (1970-1988)
Paul Markowski, Chemistry Lab Materials Supervisor (1969-1990)
Ray Moore, Biology Lab Material Supervisor (1968-1990)
Granville "Hank" Mouser, Storekeeper, Physical Plant (1970-1987)
Lucia Overgaard, Transfer Credit/Graduation Evaluator, Registrar's Office (1975-1994)
Marilyn Paterson, Secretary Office Coordinator, History (1970-1991)
Ella Peterson, Payroll Supervisor (1964-1983)
Barbara Petty, Senior Secretary, Physics (1974-1995)
Mel Pfost, Athletic Equipment Manager, (1970-1996)
Ernie Roberson, Administrative Assistant, Dean, College of Education, (1974-1996)
Josephine Santillanes, Custodian, Physical Plant (1969-1986)
Mary Smith, Administrative Assistant, Dean, College of Business and Economics (1970-1995)
Clare Spoor, Administrative Assistant, Counseling and Testing Center, (1974-1996)
Elise Swanson, Secretary Office Coordinator, Social Work (1972-1986)
Rachel Terry, Library Assistant II (1971-1990)
Dixie L. Thomas, Secretary, Budget Office, (1976-1996)
Carole Thomason, Senior Secretary, Communication (1974-1995)
Kathy Tipton, Transfer Credit/Graduation Evaluator, Registrar's Office (1969-1984)
Clara B. Woods, Custodian, Physical Plant (1970-1984)

Boise State University
Resident/Nonresident Classification Information

The following quotation of the current Idaho *Residency Law for Tuition Purposes* is provided here to allow applicants and current students to determine whether they qualify for residency under the law.

An applicant or student wishing to change from non resident to resident status must follow the directions described in I-V on page 2 of this information sheet.

1. The definition of resident status for the purpose of attending an institution of higher education in Idaho without paying non-resident tuition is set forth in the Idaho Code, Section 33-3717, as amended, and providing an effective date on and after January 2, 1995. The following paragraphs are direct citations from the Idaho code and the Regents Rules at IDAPA03.00.D.

2. A residen t student is:

A. Any student who has one (1) or more parent or parents or court-appointed guardians who are domiciled in the state of Idaho. Domicile, in the case of a parent or guardian, means that individual's true, fixed and permanent home and place of habitation. It is the place where that individual intends to remain, and to which that individual expects to return when that individual leaves without intending to establish a new domicile elsewhere. To qualify under this section, the parent, parents or guardian must have maintained a bona fide domicile in the state of Idaho for at least one (1) year prior to the opening day of the term for which the student matriculates.

A.1 One (1) year is interpreted as twelve (12) consecutive months immediately preceding the opening date of the term for which resident status is requested.

B. Any student who receives less than fifty percent (50%) of the student's support from a parent, parents or legal guardians who are not residents of this state for voting purposes, but which student has continuously resided in the state of Idaho for twelve (12) months next preceding the opening day of the term during which the student proposes to attend the college or university *and who has in fact established a bona fide domicile in this state primarily for purposes other than educational.*

B.1 "Continuously resided" is interpreted as physical presence in the state for twelve (12) consecutive months.

B.2 Specified support applies to the twelve (12) month period immediately preceding the opening date of the term for which resident status is requested.

B.3 Factors to be considered in determining bona fide domicile primarily for non-educational purposes are listed in subsection 4 below.

C. Subject to subsection (3) below, any student who is a graduate of an accredited secondary school in the state of Idaho, and who matriculates at a college or university in the state of Idaho during the term immediately following such graduation regardless of the residency for the student's parent or guardian.

C.1 Refer to subsection 3 for conditions which may limit the ability to qualify under this section.

D. The spouse of a person who is classified, or is eligible for classification, as a resident of the state of Idaho for the purposes of attending a college or university.

D.1 Request for classification under this section will require that a copy of the marriage certificate be filed, and the qualifying spouse may be required to submit proof of residency in the form of an affidavit.

E. A member of the armed forces of the United States, stationed in the state of Idaho on military orders.

E.1 "Armed Forces" means the U. S. Army, Navy, Air Force and Marine Corps. Uniformed services such as Coast Guard or National Guard do not qualify for residency requirements.

E.2 Armed Forces members must be stationed in Idaho on active duty.

E.3 A certified copy of the military orders may be requested in support of this qualification for residency classification.

F. A student whose parent or guardian is a member of the armed forces and stationed in the state of Idaho on military orders and who receives fifty percent (50%) or more of support from parents or legal guardians. The student, while in continuous attendance, shall not lose that residency when the student's parent or guardian is transferred on military orders.

F.1 Specified support must have been provided for the twelve (12) months immediately preceding the opening day of the term for which resident status is requested.

F.2 "Armed Forces" means the U. S. Army, Navy, Air Force and Marine Corp. Uniformed services such as Coast Guard or National Guard do not qualify for residency requirements.

F.3 Armed Forces members must be stationed in Idaho on active duty.

F.4 A certified copy of the military orders may be requested in support of this qualification for residency classification.

G. A person separated, under honorable conditions, from the United States armed forces after at least two (2) years of service, who at the time of separation designates the state of Idaho as his intended domicile or who has Idaho as the home of record in service and enters a college or university in the state of Idaho within one (1) year of the date of separation.

G.1 "Armed Forces" means the U. S. Army, Navy, Air Force and Marine Corp. Uniformed services such as Coast Guard or National Guard do not qualify for residency requirements.

G.2 "Two (2) years of service" shall mean two (2) years of active duty service. Reserve duty status does not qualify for residency requirements.

G.3 A certified copy of the DD-214 separation papers may be requested in support of this qualification for residency classification.

H. Any individual who has been domiciled in the state of Idaho, has qualified and would otherwise be qualified under the provisions of this statute and who is away from the state for a period of less than one (1) calendar year and has not established legal residence elsewhere provided a twelve (12) month period of continuous residency has been established immediately prior to departure.

I. A student who is a member of any of the following Idaho Native American Indian tribes, regardless of current domicile, shall be considered an Idaho state resident for purposes of tuition at institutions of higher education: Members of the following Idaho Native American Indian tribes, whose traditional and customary tribal boundaries included portions of the state of Idaho, or whose Indian tribe was granted reserved lands within the state of Idaho: (i) Coeur d'Alene tribe; (ii) Shoshone-Paiute tribes; (iii) Nez Perce tribe; (iv) Shoshone-Bannock tribes; (v) Kootenai tribe.

2.1 Note: Any one (or more) of the characteristics described in A. through I. qualifies the individual as a resident for tuition purposes.

3. A "nonresident student" shall mean any student who does not qualify as a "resident student" under the provisions of subsection (2) above, and shall include:

A. A student attending an institution in the state with the aid of financial assistance provided by another state or governmental unit or agency thereof, such non-residency continuing for one (1) year after the completion of the semester for which such assistance is last provided.

B. A person who is not a citizen of the United States of America, who does not have permanent or temporary resident status or does not hold "refugee-parolee" or "conditional entrant" status with the United States immigration and naturalization service or is not otherwise permanently residing in the United States under color of the law and who does not also meet and comply with all applicable requirements of subsection 2 above.

4. The establishment of a new domicile in Idaho by a person formerly domiciled in another state has occurred if such person is physically present in Idaho primarily for purposes other than educational and can show satisfactory proof that such person is without a present intention to return to such other state or to acquire a domicile at some other place outside of Idaho. Institutions determining whether a student is domiciled in the state of Idaho primarily for purposes other than educational shall consider, but shall not be limited to the following factors:

A. Registration and payment of Idaho taxes or fees on a motor vehicle, mobile home, travel trailer, or other item of personal property for which state registration and the payment of a state tax or fees is required.

B. Filing of Idaho state income tax returns.

C. Permanent full-time employment or the hourly equivalent thereof in the state of Idaho.

D. Registration to vote for state elected officials in Idaho at a general election.

4.1. Additional factors may include real property ownership, driver's license, vacation employment, abandonment of previous domicile, presence of household goods and establishment and duration of account records with state financial institutions. Evidence of any of these factors for establishing permanent residency may be requested in support of this qualification.

5. For students who apply for special graduate and professional programs including, but not limited to the WAMI (Washington, Alaska, Montana, Idaho) Regional Medical Program, the WICHE Student Exchange Programs, Creighton University School of Dental Science, the University of Utah College of Medicine, and the Washington, Oregon, Idaho (WOI) Regional Program in Veterinary Medical Education, no applicant shall be certified or otherwise designed as a beneficiary of such special program who has not been a resident of the state of Idaho for at least one (1) calendar year previous to the application date under 2A. or 2B. above.

6.1 Note that in the preceding sections, the language of items labeled 1., 2., 3., etc. or A., B., C., etc. are direct quotes from the law passed by the state legislature. Items preceded by A.1, B.2, 4.1, etc. are Boise State University clarification and interpretation of the law as approved by the State Board of Education.

Procedures to be Observed in Determining Residency for Tuition Purposes Boise State University

I. Individuals wishing to change a non-resident classification made at the point of application or requesting consideration for reclassification based upon satisfying state law criteria must file a completed, **notarized Residence Information Affidavit with the Cashier's Office** , Administration Building, Room 211, 208 385-1212.

II. An affidavit requesting reclassification to resident status may be filed after qualifying criteria have been satisfied but no later than 15 school days after the opening of the semester for which the change in status is requested.

III. The burden of proof in requesting reclassification to resident status rests with the individual in providing clear and convincing evidence of residency for tuition purposes as defined by the law.

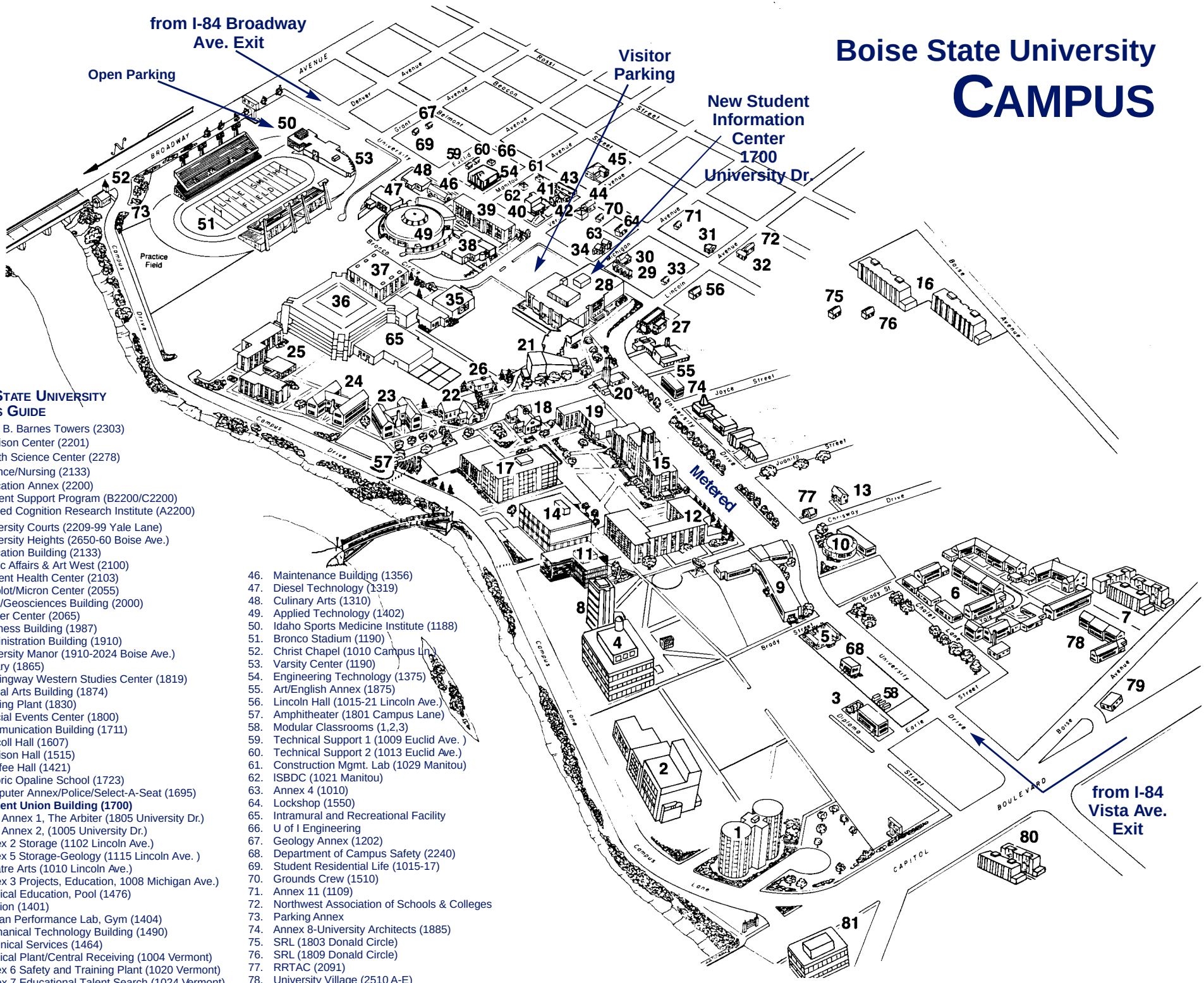
IV. The legal residence of a student for fee purposes is determined at the time of initial application for admission to BSU and remains unchanged in the absence of satisfactory written evidence to the contrary.

V. If an applicant contests the determination of the office or institution that the applicant is not a qualified resident or that the applicant does not qualify for an exception, the applicant may petition the Board for review. The petition must be submitted to the chief executive officer of the certifying institution, must be in writing, and must set forth the applicant's reasons for contesting the decision. The chief executive officer will submit the petition to the Executive Director of the Office of the State Board of Education, who will consult with the Board president to determine whether the Board will hear the appeal. Should the Board decide to hear the appeal, it will set forth the scope of review and notify the applicant of the time, date, and place of the hearing and the additional information, if any, which must be submitted by the applicant in support of his or her petition.

Index

Index

Boise State University
CAMPUS



Boise State University Campus Guide

1. John B. Barnes Towers (2303)
2. Morrison Center (2201)
3. Health Science Center (2278)
4. Science/Nursing (2133)
5. Education Annex (2200)
   Student Support Program (B2200/C2200)
   Applied Cognition Research Institute (A2200)
6. University Courts (2209-99 Yale Lane)
7. University Heights (2650-60 Boise Ave.)
8. Education Building (2133)
9. Public Affairs & Art West (2100)
10. Student Health Center (2103)
11. Simplot/Micron Center (2055)
12. Math/Geosciences Building (2000)
13. Career Center (2065)
14. Business Building (1987)
15. Administration Building (1910)
16. University Manor (1910-2024 Boise Ave.)
17. Library (1865)
18. Hemingway Western Studies Center (1819)
19. Liberal Arts Building (1874)
20. Heating Plant (1830)
21. Special Events Center (1800)
22. Communication Building (1711)
23. Driscoll Hall (1607)
24. Morrison Hall (1515)
25. Chaffee Hall (1421)
26. Historic Opaline School (1723)
27. Computer Annex/Police/Select-A-Seat (1695)
28. **Student Union Building (1700)**
29. SUB Annex 1, The Arbiter (1805 University Dr.)
30. SUB Annex 2, (1005 University Dr.)
31. Annex 2 Storage (1102 Lincoln Ave.)
32. Annex 5 Storage-Geology (1115 Lincoln Ave.)
33. Theatre Arts (1010 Lincoln Ave.)
34. Annex 3 Projects, Education, 1008 Michigan Ave.)
35. Physical Education, Pool (1476)
36. Pavilion (1401)
37. Human Performance Lab, Gym (1404)
38. Mechanical Technology Building (1490)
39. Technical Services (1464)
40. Physical Plant/Central Receiving (1004 Vermont)
41. Annex 6 Safety and Training Plant (1020 Vermont)
42. Annex 7 Educational Talent Search (1024 Vermont)
43. Art/Ceramic/Photo (1426 Belmont)
44. VT Child Care Lap (1504 Belmont)
45. Projects-Social Science (1110 Vermont)
46. Maintenance Building (1356)
47. Diesel Technology (1319)
48. Culinary Arts (1310)
49. Applied Technology (1402)
50. Idaho Sports Medicine Institute (1188)
51. Bronco Stadium (1190)
52. Christ Chapel (1010 Campus Ln.)
53. Varsity Center (1190)
54. Engineering Technology (1375)
55. Art/English Annex (1875)
56. Lincoln Hall (1015-21 Lincoln Ave.)
57. Amphitheater (1801 Campus Lane)
58. Modular Classrooms (1,2,3)
59. Technical Support 1 (1009 Euclid Ave.)
60. Technical Support 2 (1013 Euclid Ave.)
61. Construction Mgmt. Lab (1029 Manitou)
62. ISBDC (1021 Manitou)
63. Annex 4 (1010)
64. Lockshop (1550)
65. Intramural and Recreational Facility
66. U of I Engineering
67. Geology Annex (1202)
68. Department of Campus Safety (2240)
69. Student Residential Life (1015-17)
70. Grounds Crew (1510)
71. Annex 11 (1109)
72. Northwest Association of Schools & Colleges
73. Parking Annex
74. Annex 8-University Architects (1885)
75. SRL (1803 Donald Circle)
76. SRL (1809 Donald Circle)
77. RRTAC (2091)
78. University Village (2510 A-E)
79. Theater Arts Annex (2611 W. Boise Ave.)
80. University Park Apts.
81. Health Science Riverside