PART 7

Graduate School
GRADUATE SCHOOL

DEAN: GILES WILSON MALOOF, Ph.D.

Programs

Boise State College offers the graduate degrees of Master of Business Administration (MBA) and Master of Arts in Elementary Education (MA). Three curricula are available for students working toward the MA. These are as follows:

- MA in Elementary Education with
  - I) Curriculum in Education
  - II) Curriculum in Reading Education
  - III) Curriculum in Education—Core Enriched

THE GRADUATE FACULTY

Ordinarily, the Graduate Faculty are also members of the faculty of a department in one of the other schools—Arts and Sciences, Business, or Education. As such, they are listed elsewhere in the catalog by their departmental affiliation. In the following listing the total numbers are listed by rank.

GRADUATE FACULTY

Professors .................. 42
Associate Professors ........... 68
Assistant Professors ........... 50
Instructors .................. 5
Associate Graduate Faculty .... 7

General Information for Graduate Students

Application for Admission

Application for admission to the graduate programs in Elementary Education and Business Administration or general graduate study as an unclassified graduate may be made at any time. It is recommended, however, that at least two months before the first enrollment, the Admissions Office will have received the application for admission and transcripts of all undergraduate and graduate work. This will provide sufficient time to process the application prior to the semester the applicant wishes to commence his graduate study. Petitions for exceptions will be directed to the Graduate Dean. The transcripts are to be sent directly to the Boise State College Admissions Office by the Registrar of the college or university which the applicant previously attended. For that purpose the applicant should communicate with the Registrars concerned and then allow them sufficient time to process and mail the transcripts.

All documents received by the College in conjunction with such applications for admission become the property of Boise State College. Under no circumstances will they be duplicated, and the original returned to the applicant or forwarded to any agency or other college or university.

Special Status Classification (for students not requesting admittance to the Graduate School)

Persons who feel qualified to profit from graduate courses may enroll in these under "Special Status" provided all of the following conditions are met:

1. There is space available in the class.
2. The instructor, after counseling the applicant, is satisfied that he can profit from the course.
3. The student signs a waiver form which states that he understands that he has not been admitted to graduate school; that there is no commitment to accept his special status credits toward a degree, if she should be admitted.

General Admissions Criteria

A student may be admitted to the Graduate School at Boise State College when the following admissions criteria have been met:

1. The applicant has earned a Bachelor's degree from an accredited institution, or furnishes proof of equivalent education.
2. The applicant has maintained a grade point average which meets the minimal requirements of the School of (Business or Education) in which he wishes to enroll. Students interested in graduate work in business are directed to page 107; education students should see page 127.
3. Completion of the predictive examination required by the department as listed under departmental criteria. Students interested in graduate work in business are directed to page 107; education students should see page 127.
4. Recommendation for admission by the department in which the student expects to work and approval by the Graduate School.

Graduate Program Classifications (for students requesting admittance to the Graduate School)

Applicants may be admitted to the Graduate School under three classifications.

Regular Status: The student has been admitted with full graduate status into a graduate degree program and has received official institutional notification to this effect.

Provisional Status: An applicant may be admitted to the Graduate School with provisional status if the department or academic unit in which he plans to study requires additional evidence of his qualification for admission with regular status. No student may maintain provisional status indefinitely. The department or academic unit concerned will normally make a final determination on a student with provisional status by the time he has completed twelve (12) credits of approved study.
Unclassified Status: An applicant whose academic record indicates that he is qualified to study on the graduate level, but who is not pursuing a graduate degree program, may be admitted to the Graduate School in an unclassified status. Credit for such work must be approved by the department or academic unit concerned, after a review of the proposed program of study has been made. This status is intended for students seeking an additional bachelors degree or some definite educational objective related to but distinct from the MBA or MA degrees.

Graduate Courses for Undergraduate Credit

Boise State College "seniors" may take up to two 500 level courses for upper division credit applied to their bachelors degree program. The necessary permit forms are available through the Admissions Office and the office of each dean. Determination of what constitutes a "senior" for the purposes of this policy is left to the graduate dean.

Graduate Credit for Seniors

A Boise State College senior with the approval of the department in which he plans to work and the Graduate Dean may enroll for graduate credit during his senior year insofar as these credits will not prejudice his graduation during that academic year. The necessary Senior Permit Forms are available at the Admissions Office, and the office of each dean.

Scholarship Requirements

Academic excellence is expected of students doing graduate work. A student whose academic performance is not satisfactory may be withdrawn from the degree program by the Dean of the Graduate School upon the recommendation of the department or academic unit concerned.

To be eligible for a degree in the Graduate School, a student must achieve a grade point of "B" (3.00) or better in all work, exclusive of deficiencies, specifically included in his program of study. No grade below "B" may be used for any 300 or 400 level courses in a graduate program. Grades below "C" cannot be used to meet the requirements of a graduate degree. Grades on transfer work will not be included in computing grade point average.

Repeat, Retake Policy

A student who earns a grade of "D" in a graded 500 series course at Boise State College may include no more than one repeated course toward a master's degree program. A sequence graded as a single unit (like TE-570, 571, 572) will be counted as one course, one repeat, for the purposes of this policy. A student who earns a grade of "F" may not count a retaken course toward any master's degree program at Boise State College.

This rule implies that a student who gets an "F" in a required core course—(TE-570, 571, 572 or MB 510, MB 511, MB 512, MB 513)—is automatically excluded from further master's degree work in whichever program he was in. With a "D" in one of these courses there is a single chance of redemption.

Credit Requirements

A minimum of thirty (30) semester credits of course work approved by the graduate student's supervisory committee is required. More than thirty (30) semester credits may be required in certain programs.

Supervisory Committee Assignment

Upon admission of the applicant with regular graduate status, a supervisory committee, consisting of a chairman and other faculty members, will be appointed by the department fielding the program. This supervisory committee will establish with the student a program of study, direct any thesis or graduate projects, and administer his final examination(s).

Students admitted with provisional status will be assigned a temporary advisor who will be responsible for building a tentative program of studies. This advisor will guide the student with respect to meeting the stipulations of the provisional admission. Once the provisional stipulations have been satisfactorily met by the student, the department concerned will recommend to the Dean of the Graduate School that the student be admitted with regular graduate status.

Residence Requirements

A minimum of twenty-one (21) semester credits of approved graduate work taken on the college campus is required.

Transfer of Credits

A maximum of nine (9) semester graduate credits taken at other institutions may be transferred for credit toward a Master's Degree provided the courses are an acceptable part of the program of study planned by the student's supervisory committee. Such courses must have been taken in an accredited college or university. Only courses with "A" or "B" grade may be transferred to Boise State College for application to a graduate degree. In general, the transfer of extension credits is discouraged. Exception may be made by departments after a detailed examination of the specific courses taken. No correspondence courses will be accepted for graduate credit. All appropriate graduate work taken through the Cooperative Graduate Center can be accepted as residence credit.

Time Limitations

All work offered toward a master's degree from Boise State College must be completed within a period of seven (7) calendar years. The seven (7) year time interval is to commence with the beginning of the oldest course (or other academic experience) for which credit is offered in a given master's degree program, and the interval must include the date of graduation when the master's degree from Boise State is given.

Challenge Policy

The provisions of the challenge policy stated in the catalog section, Admission Requirements to the College under subsection IV-I with the subtitle Challenging Courses—Granting Credit by Examination apply to graduate courses. In particular, the decision to allow or not to allow
challenges will be made by the department fielding the course to be challenged. For interdisciplinary courses, the decision will be made by the school officer in charge of the graduate program to which the course applies.

Foreign Language Requirements

Language requirements are determined by the department concerned. If a foreign language is required, the student must demonstrate that he possesses a reading knowledge of a language specified by the department.

Thesis Requirements

The requirement of a thesis or similar project is determined by the department or interdisciplinary unit concerned. The final copy of the thesis must be reviewed by the student's supervisory committee and submitted to the Dean of the Graduate School at least three (3) weeks before commencement.

Candidacy

A student should apply for admission to candidacy and graduation as soon as he has completed twelve (12) hours of graduate work with a grade point average of at least 3.00 in an approved graduate program of study, has removed all listed deficiencies, and has met any specified foreign language requirements.

Candidacy involves specifying — on the appropriate program development forms — the list of courses and projects which comprise the MBA or MA. This list, properly approved, constitutes the student's program. Changes in the planned program after admission to candidacy must be recommended in writing by the student's supervisory committee and be approved by the Dean of the Graduate School.

Program Development Form

Graduate students in Regular Status will complete a Program Development Form with their advisor or committee before the end of the first academic period (summer, fall, or spring) in which they take graduate work at Boise State College, after having been notified of admission in Regular Status. With the word Regular changed to read Provisional, the above rule also applies verbatim to students notified of admission in Provisional Status.

This rule does not apply to students admitted in Unclassified Status, nor does it apply to Special Status Classification students (these are admitted only to Boise State College and not to the Graduate School).

The Program Development Form will be available from the schools offering graduate degree programs (Business and Education). The advisor or committee will file the Program Development Form upon completion. Each change in program must be completed by filing a new Program Development Form showing the changes from the previous form.

Any courses being offered as transfer credit, as credit reserved, or as credit through the Cooperative Graduate Center must be claimed at the time the Program Development Form is originally filed, or before the end of the first academic period (summer, fall or spring) after which the credit has been earned, whichever is the earlier date.

It is the responsibility of the graduate student to keep all program changes up to date by completing and filing amended or new Program Development Forms as necessary.

The Program Development Form is to be used to effect a change of status from Provisional to Regular. That is, when a student is given Provisional Status the admission letter states what must be done to attain Regular Status. When this contract is completed, the student obtains Regular Status by completing a new (Regular Status) Program Development Form and filing it with his committee or advisor.

Final Examination Requirements

The requirement of a final examination, written, oral, or both, is optional with the department or interdisciplinary unit which fields the student's program. When the examination is required, it is administered by the unit concerned. The dates for these examinations are set by the Graduate School once each semester and summer session. They are listed in the BSC Bulletin Calendar. A student is not eligible to apply for the final examination until he has been admitted to candidacy.

Failure in the examination will be considered terminal unless the supervisory committee recommends, and the Dean of the Graduate School approves, a re-examination. Only one re-examination is permitted. At least three months must elapse before a re-examination may be scheduled.

The requirement of a final examination in defense of any thesis or project is optional with the department or interdisciplinary unit concerned. When required, a final examination in defense of the thesis must be conducted at least three weeks before commencement. On a final oral examination in defense of a thesis, an additional member, who may be from outside the department or school, may be appointed by the Graduate Dean at his discretion. Application for the final comprehensive examination(s) is made through the office of the dean (Business or Education) of the school fielding the program.

Application for Predictive Examinations

As previously indicated, predictive examination scores may be required by certain departments. With respect to those departments which stipulate as part of the admissions criteria performance scores from predictive examinations, it is necessary that application be made without delay to take the examination.

Education students are not required, at the present time, to take a predictive examination and consequently have no need to make application for taking the predictive examination.

Students wishing to pursue graduate study in Business Administration should contact the Office
of the Dean, School of Business, Boise State College, to secure the forms necessary to make application for taking the predictive examination called the ATGSB. Every effort should be made to take the ATGSB as soon as possible because students normally will not be given program status before the ATGSB results are reported. Courses taken before the student is admitted (i.e. “Special status” courses) will not necessarily be allowed toward the M.B.A., even if the student is admitted subsequently. Candidates for the M.B.A. are required to score at least 450 on the ATGSB before regular status can be obtained under program classification.

Credit Limitation in Courses Graded Pass or Fail and Independent Study

599—Conference and Workshop
A maximum of three (3) credits earned with a grade of P will be allowed toward the credit requirements for a master’s degree at Boise State College.

596—Independent Study
Master’s programs at Boise State College may include independent study credits, at the discretion of the graduate student’s supervising committee or professor, through a limit of (9) semester hours, with no more than (6) credits in any one semester or session.

Elementary Education with Core Enrichment
This curriculum in Elementary Education with Core Enrichment is essentially the same as the curriculum in Elementary Education. The distinctive feature is that an approved program may be designed for specialization in a given departmental area such as art, humanities, mathematics, music, or science, to name just a few possibilities. Approved programs will include the basic elementary core of nine (9) semester hours and will allow no more than fifteen (15) of the remaining hours to be in any one departmental area. Various departments in The School of Arts and Sciences offer graduate courses designed especially for students in the Elementary Education programs.

Limitations on Student Course Loads
Graduate students seeking to take courses for graduate credit only in the evening or only in the early morning and in the evening (due to full-time day employment) may not take more than a total of two such courses in any one semester or summer session. Waiver of this rule will not be granted by the Dean of the Graduate School without the explicit recommendation of the dean of the school responsible for the student’s program.

Course Numbering System
Courses numbered 500 and above are intended primarily for graduate students. The number designates the educational level of the typical student in the class—i.e., he has graduated from college.

Other courses than graduate, numbered at the 300 or 400 levels, may be given g or G designation to carry graduate credit. The department or school concerned will have the right to limit the number of g or G credits which can count toward any degree for which it has responsibility, and in no case can more than one-third of the credits in a degree program be in courses at the 300 and 400 level.

A department or school which uses g and G designations will use them to have the following significance:

1. g courses carry graduate credit only for graduate students in majors outside of the area of responsibility of the department or school.
2. G courses carry graduate credit for students both in the department or school, and for other students as well.

APPLICATION FOR GRADUATE DEGREE
The final step in completing a graduate program consists of paying the graduation fee ($5.15) at the College Union Bookstore. This fee includes the diploma and case, a wallet sized diploma copy and also covers the costs to Boise State of final record checking. To pay the fee, one completes the form entitled Application for Graduate Degree which can be obtained from the Admissions Office or from the Dean of Business or Education. Arrangements to order the cap and gown may be completed at the bookstore at the time of paying this fee.

College-Wide Graduate Course Numbering:

580-589 Selected Topics
590 Practicum
591 Research
592 Colloquium
593 Thesis
594 Extended Conference or Workshop (Graded A-F)
595 Reading and Conference
596 Independent Study
597 Special Topics
598 Seminar
599 Short-Term Conference or Workshop (Graded Pass or Fail). This number is available in any semester or session for courses meeting three (3) weeks or less.
## GRADUATE LEVEL COURSE OFFERINGS

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HY 334g</td>
<td>United States Social and Cultural History</td>
<td>03</td>
</tr>
<tr>
<td>TA 421g</td>
<td>Theatre History</td>
<td>03</td>
</tr>
<tr>
<td>TA 422g</td>
<td></td>
<td></td>
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<tr>
<td>TA 487g</td>
<td>Children’s Theatre</td>
<td>03</td>
</tr>
<tr>
<td>TA 488g</td>
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<tr>
<td>AC 440G</td>
<td>Accounting Theory</td>
<td>03</td>
</tr>
<tr>
<td>EC 421G</td>
<td>Econometrics</td>
<td>03</td>
</tr>
<tr>
<td>EC 422G</td>
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<tr>
<td>GB 441G</td>
<td>Government and Business</td>
<td>03</td>
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<tr>
<td>MK 415G</td>
<td>Market Research</td>
<td>03</td>
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<tr>
<td>P 421g</td>
<td>Psychological Measurement</td>
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### School of Arts and Sciences

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<tr>
<td>AR 521</td>
<td>Teaching Through Experimental Art Media</td>
<td>03</td>
</tr>
<tr>
<td>AR 522</td>
<td>(Summer School Only)</td>
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<tr>
<td>AR 598</td>
<td>Seminar in Art</td>
<td>03</td>
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<tr>
<td>GO 511</td>
<td>Environmental Geology</td>
<td>03</td>
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<tr>
<td>GO 521</td>
<td>Advanced Topics in Earth Science for Elementary</td>
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<td></td>
<td>Teachers</td>
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<tr>
<td>GO 597</td>
<td>Independent Study and Research for Elementary</td>
<td>1-4</td>
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<tr>
<td></td>
<td>Teachers</td>
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<tr>
<td>GS 501</td>
<td>General Science for Elementary Teachers—History</td>
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<tr>
<td></td>
<td>of Science Since 1500</td>
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<tr>
<td>M 503</td>
<td>Algebraic Systems</td>
<td>03</td>
</tr>
<tr>
<td>M 504</td>
<td>Geometric Concepts</td>
<td>03</td>
</tr>
<tr>
<td>M 561</td>
<td>Mathematics for Operations Research</td>
<td>04</td>
</tr>
<tr>
<td>MU 571</td>
<td>Advanced Practices and Principles in Teaching</td>
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<tr>
<td></td>
<td>Music in the Elementary School</td>
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<tr>
<td>MU 572</td>
<td>Listening and Singing Experiences for the</td>
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<td></td>
<td>Elementary School</td>
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<tr>
<td>PS 501</td>
<td>Basic Physical Science for Elementary Teachers</td>
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### School of Business

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<tr>
<td>MB 510</td>
<td>Business and its Environment</td>
<td>03</td>
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<tr>
<td>MB 511</td>
<td>Business Research and Communication Techniques</td>
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<tr>
<td>MB 512</td>
<td>Quantitative Methods for Business Decisions</td>
<td>03</td>
</tr>
<tr>
<td>MB 513</td>
<td>Business Policy Formulation</td>
<td>03</td>
</tr>
<tr>
<td>MB 520</td>
<td>Marketing Problems</td>
<td>03</td>
</tr>
<tr>
<td>MB 530</td>
<td>Financial Management</td>
<td>03</td>
</tr>
<tr>
<td>MB 522</td>
<td>Accounting—Planning and Control</td>
<td>03</td>
</tr>
<tr>
<td>MB 540</td>
<td>Organization Theory</td>
<td>03</td>
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<tr>
<td>MB 541</td>
<td>Personnel Policy</td>
<td>03</td>
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<tr>
<td>MB 542</td>
<td>Computer Applications for Management</td>
<td>03</td>
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<tr>
<td>MB 550</td>
<td>Managerial Economics</td>
<td>03</td>
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<tr>
<td>MB 580</td>
<td>Selected Topics—Accounting</td>
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<tr>
<td>MB 581</td>
<td>Selected Topics—Information Systems</td>
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### School of Education

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<tbody>
<tr>
<td>P 501</td>
<td>Counseling and Guidance in the Elementary Classroom</td>
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<td>P 502</td>
<td>Advanced Educational Psychology</td>
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<td>P 503</td>
<td>Individual Testing Practicum</td>
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<td>P 504</td>
<td>Analysis of the Individual</td>
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<td>P 505</td>
<td>Personality Development</td>
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<td>TE 501</td>
<td>Advanced Practices and Principles in Teaching</td>
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<tr>
<td></td>
<td>Reading</td>
<td>03</td>
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<td>TE 502</td>
<td>Diagnosis of Reading Problems</td>
<td>03</td>
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<tr>
<td>TE 503</td>
<td>Remediation of Reading Problems</td>
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<td>TE 504</td>
<td>Seminar in Reading Education</td>
<td>03</td>
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<tr>
<td>TE 505</td>
<td>Tests and Measurements</td>
<td>03</td>
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<td>TE 515</td>
<td>Development of Skills for Teaching Pupils</td>
<td>03</td>
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<tr>
<td></td>
<td>with Learning Difficulties</td>
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<tr>
<td>TE 516</td>
<td>Development of Skills for Teaching the Fast Learner</td>
<td>03</td>
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<td>TE 517</td>
<td>Development of Skills for Teaching the Mentally</td>
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<td>TE 518</td>
<td>Techniques for Creative Writing in Elementary</td>
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<td>Schools</td>
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<td>TE 519</td>
<td>Advanced Children’s Literature</td>
<td>03</td>
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<td>TE 520</td>
<td>Educational Media</td>
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<td>TE 521</td>
<td>Elementary Physical Education Activities</td>
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<td>TE 522</td>
<td>Individualization of Reading Instruction</td>
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<tr>
<td>TE 510</td>
<td>Advanced Practices and Principles in Teaching</td>
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<tr>
<td></td>
<td>School Science</td>
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<tr>
<td>TE 511</td>
<td>Advanced Practices and Principles in Teaching</td>
<td>03</td>
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<tr>
<td></td>
<td>Elementary Mathematics</td>
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<td>TE 512</td>
<td>Advanced Practices and Principles in Teaching</td>
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<td></td>
<td>Language Arts and Linguistics</td>
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<td>TE 513</td>
<td>Advanced Practices and Principles in Teaching</td>
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<tr>
<td></td>
<td>Elementary Science</td>
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<tr>
<td>TE 514</td>
<td>Advanced Practices and Principles in Teaching</td>
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<tr>
<td></td>
<td>the Humanities</td>
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<tr>
<td>TE 570</td>
<td>Comprehensive Core for Elementary Education</td>
<td>03</td>
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<tr>
<td>TE 571</td>
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<td>TE 572</td>
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<tr>
<td>TE 598</td>
<td>Seminar in Elementary Education</td>
<td>03</td>
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Objectives of Vocational Education

To provide the opportunity for state and local citizens to acquire the education necessary:

(a) To become employed, to succeed, and to progress in a vocational-technical field.

(b) To meet the present and anticipated needs of the local, state, and national economy for vocational-technical employees.

(c) To become contributing members of the social, civic and industrial community.

Curriculum Changes:

Curriculum changes may be made at any time with the approval of the Curriculum Committee to meet the needs of industry.

Admissions Requirements:

Application materials may be obtained from the Director of Admissions Office, Boise State College.

(a) To fully matriculate a student must have on file in the Admissions Office: a completed application, $10 fee, physical exam, GATB test scores and an acceptance by a counselor.

(b) Educational Background: Request a transcript of High School credits and, if applicable, a transcript of College credits be sent by the institution(s) directly to the Director of Admissions.

(c) Aptitude Test: Contact the nearest local office of the Department of Employment and request a General Aptitude Test Battery to be taken and request that the office send the results directly to the Vocational-Technical School, Boise State College, Boise, Idaho 83725.

(d) Pay $75 advance registration fee. This fee will apply on the regular registration fee.

(e) Personal Interview: A personal interview is required.

(f) High school graduation is recommended but is not required to enter a vocational or technical program, provided one has been out of high school one complete semester.
The landscape construction and maintenance curriculum has for its objective the preparation of students for employment in the landscape, nursery and florist industries. This includes both the production, sales and service areas of these major fields. The training stresses the design of landscapes, their interpretation and construction including costs. The production of nursery plants, plant propagation, the design of landscapes, and landscape planting is also covered. Graduates of the horticulture curriculum qualify for positions in nursery and floral establishments as well as in parks, grounds 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. Credits in this course of study are not counted towards an academic degree.

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>COURSE NO. AND TITLE</th>
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<tr>
<td></td>
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<tr>
<td>HO</td>
<td>101-102 Horticulture Laboratory</td>
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102 Horticulture Laboratory — 5 credits

Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include methods of plant propagation; construction of growing containers and houses; arrangements and implementation of entire greenhouse operation; the use of insecticides, pesticides, etc., and precautions necessary during use.

111-112 Communication Skills — 3 credits

To manage symbols and discover meaning, candidly, clearly, and exactly is the performance objective of Communication Skills. As trainee, worker, citizen and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career. This is a nongraded, two semester credit course designed to maximize personal involvement.

131-132 Related Basic Mathematics — 3 credits

First semester—developing comprehension of the basic principles of mathematics. Specific areas include: addition, subtraction, multiplication, division, fractions, percentage, denominate numbers, square root, mensuration. Second semester—developing comprehension of the principles of related bookkeeping and accounting. Specific areas to be covered to include: income and expense accounts, general journal and ledger, sales and purchases, inventories, payroll, etc. Three clock hours per week.

141-142 Related Basic Science — 2 credits

First semester—developing comprehension of the scientific principles utilized in: (1) plant identification. (2) plant growth and development. (3) limiting factors. (4) soils. Second semester—developing comprehension of the scientific principles utilized in: developments which aid plant propagation, construction materials, insecticides, pesticides. Two clock hours per week.

151-152 Horticulture — 5 credits

First semester—developing comprehension, analysis, and evaluation of the following: (1) introduction into the field of horticulture. (2) plant classifications and growth. (3) climate and other growth limiting factors. (4) soil and soil amendments. Second semester—developing comprehension, analysis, and evaluation of the following: plant propagation (sexual); growing containers; insect and disease control. Seven clock hours per week.

201 Horticulture Laboratory — 5 credits

Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include preparing landscape drawings, making concrete, block, brick, stone and wood structures, growing greenhouse crops, and basic first aid. 15 clock hours per week.

202 Horticulture Laboratory — 5 credits

Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application include preparing landscape drawings, making concrete, block, brick, stone and wood structures, growing greenhouse crops, and basic first aid. 15 clock hours per week.
241 Related Science — 2 credits
Developing comprehension of the scientific principles utilized in: (1) plant growing and; (2) materials of construction.

242 Related Science — 2 credits
Developing comprehension of the scientific principles utilized in: (1) power equipment; (2) lawn and shrub maintenance; and (3) plant wounds.

251 Horticulture Theory — 5 credits
Developing comprehension, analysis, and evaluation of the following: (1) various types of construction common to plant growing, i.e. greenhouses, cold frames, hot beds, lath houses, propagators, germinators, etc.; (2) materials of construction, i.e. concrete, mortar, block, brick, stone, wood, etc.; (3) greenhouse crops; (4) first aid. Seven clock hours per week.

252 Horticulture Theory — 5 credits
Developing comprehension, analysis and evaluation of the following: (1) power machines as used in horticulture, i.e. mowers, tillers, saws, shredders, aerifiers, sod cutters, pesticide applications, etc.; (2) turf, shrub, and tree management procedure; (3) prevention and treatment of plant wounds. Seven clock hours per week.

262 Occupational Relationships — 2 credits

271 Individual Projects — 3 credits
Providing the opportunity for the student to apply all his prior education in planning, developing and completing a unique, practical horticulture project.

MS MACHINE SHOP CURRICULUM
The machinist’s course consists of shop work and related instruction in the use of hand and machine tools together with classroom instruction in problems and technical information related to the trade. Credits in this course of study are not counted toward an academic degree.

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101, 102 Machine Shop Laboratory — 8 credits
The course covers safety, good shop practice, good work habits, and production rates. The set-up and operation of the lathes, milling machines, drill presses, shapers, power saws, grinders, bench work, layout, and the use of special attachments. Twenty laboratory hours per week each semester.

111, 112 Communication Skills — 3 credits
To manage symbols and discover meaning, candidly, clearly, and exactly is the performance objective of Communication Skills. As trainee, worker, citizen and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career. This is a nongraded, two semester credit course designed to maximize personal involvement.

131, 132 Related Basic Mathematics — 2 credits
A study of fractions, decimals, ratio and proportion, and use of tables as applied to the machine shop. Also basic algebra, advanced algebra and geometry as applied to the machine shop. Three clock hours per week each semester.

151, 152 Related Theory — 3 credits
This course provides the knowledge necessary for the machinist student to understand the machining processes and their appreciation as practiced in the laboratory course. Safety and good shop policy are emphasized in all phases of instruction. The set-up, care and maintenance of the machine tools as well as the theory of measuring tools, speeds and feeds, metal cutting, selection of metals, tool design, coolants, allowance and tolerance, indexing, gear- ing, and production methods. Blueprint reading and sketching is also studied. Four lecture hours per week each semester.

201, 202 Advanced Machine Shop Laboratory — 8 credits
The set-up and operation involving manipulative training and increased skill in the use of lathes, milling machines, drill presses, shapers, power saws, tools and cutter grinder, surface grinder, heat testing, hardness tests, layout, inspection, tracer lathe, and numerical control mill set-up, operation and programming. Twenty laboratory hours per week each semester. Prerequisite: Machine Shop Laboratory MS-102.

231, 232 Related Advanced Mathematics — 3 credits
A study of the trigonometry as applied to shop problems and the mathematics needed for numerical control machining. Three hours per week each semester. Prerequisite: Related Basic Mathematics MS-132.

241 Machine Shop Science — 2 credits
A study of the scientific principles required in the machine shop. Three clock hours per week.

251, 252 Related Advanced Theory — 3 credits
Metals and their properties, alloys and their characteristics, production of metals, analysis of tool steels, heat treatment, hardness testing, inspection, jig and fixture design, and numerical control theory as related to the machine shop. A study of new trends of materials, equipment and techniques that are being developed in the machine shop. Four lecture hours per week each semester. Prerequisite: Related Theory MS-152.

262 Occupational Relationships — 2 credits
OM OFFICE MACHINE REPAIR
—CURRICULUM

The course and outline in Office Machine Repair has been developed to give the student of the course enough basic knowledge to be productive and able to perform the average job without any additional training. He will be qualified to make maintenance contract inspections, make proper mechanical adjustments and do general shop work. He will also be in a position to receive on-the-job training by his employer to become a highly specialized mechanic. He will be trained in Basic Electronics, testing procedures, and maintenance techniques for manual, electric, and electronic business machines. This is a two-year course and credits are not counted toward an academic degree.

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131-132 Related Electronic Mathematics — 3-3 credits

143-144 Related Electronics — 3-3 credits

145-146 Related Electronics Lab — 2-2 credits
First Semester — Application of OM 143, soldering, desoldering, parts identification, construction of a multimeter, use of meters, oscilloscope, basic trouble shooting. Second semester application of OM 144, use of generators, recorders, special purpose test equipment, advanced trouble shooting. 5 clock hours.

151-152 Related Basic Theory — 3-3 credits
Study of mechanical theory of each machine being taught. Regulation factory manuals for office machines are used and the student is taught to read and understand the mechanical drawings, as well as the printed descriptions accompanying them. Five clock hours per week.

201-202 Office Machine Repair Laboratory — 5-5 credits
First semester—the student is issued adding machines to be completely disassembled and reassembled. All adjustments are taught as well as the use of special adding machine tools. Refinishing outside cases and the application of special paints is taught during this semester. Second semester—Each student is issued a calculating machine to be completely disassembled and reassembled. All adjustments are taught. Fifteen clock hours per week. Prerequisite: Office Machine Repair Laboratory OM-102.

241-242 Related Electronics Science — 3-3 credits
Basic physics as it applies to the electronic technician’s needs. This course deals with mechanics, heat, sound, and light. Prerequisite: Electronics Science, OM 143-144. Three clock hours per week.

243-244 Advanced Digital Electronics — 2-2 credits
Binary Concept, Basic Logics, Boolean Algebra, Counters, Adders, Basic Computers. 2 clock hours. Prerequisite: 143-144.

VOCATIONAL TECHNICAL SCHOOL
Office Machine Repair
### WELDING — CURRICULUM

The welding curriculum is designed to provide two levels of training. The first year will provide the student with usable skills and should qualify him for employment as a production welder. Some students may desire to terminate their training at this point. The second year of the program will provide advanced training in layout and a better understanding of the properties of metals as well as advanced techniques and processes that are in demand in industry. The course of study may be altered to keep abreast of new welding procedures and advancements in industry.

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### W WELDING COURSES

#### 101-102 Welding Laboratory — 8 credits
This course covers oxyacetylene burning by manual and automatic methods; oxyacetylene welding and brazing; arc welding using mild steel and low alloy steel electrodes in all positions; continuous wire feed welding processes, and submerged arc welding processes. The successful completion of this phase of the program will prepare the student for employment as a production welder or to take the second year of the program. Twenty clock hours per week each semester.

#### 111-112 Communication Skills — 3 credits
To manage symbols and discover meaning, candidly, clearly, and exactly is the performance objective of Communication Skills. As trainee, worker, citizen and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career. This is a nongraded, two semester credit course designed to maximize personal involvement.

#### 131-132 Related Basic Mathematics — 3 credits
Basic review of addition, subtraction, multiplication and division of fractions, decimals and mixed numbers with application to basic blueprint reading, layout problems, framing square and weld symbols.

#### 151-152 Welding Theory — 2 credits
This course provides the knowledge necessary for the welding student to understand the welding processes and their appreciation as practiced in the laboratory course. Safety is emphasized in all phases of instruction. The set-up, care and maintenance of oxyacetylene equipment as well as the theory of oxyacetylene burning, welding and brazing is studied. Arc welding equipment and methods are studied with the selection of electrodes for welding of mild and low alloy steels. Continuance feed and submerged arc welding processes are covered. Four hours per week both semesters.

#### 201-202 Advanced Welding Laboratory
Pipe welding in the horizontal and vertical fixed positions. Heliarc and semi-automatic inert gas welding of similar and dissimilar metals and exotic metals. Stress relieving and heat treatment of metals. Twenty clock hours per week each semester. Prerequisite: Welding Laboratory W-102.

#### 231-232 Related Advanced Mathematics — 3 credits
Blueprint reading, layout and design, fitting layout and details. Basic Algebra, Geometry, blueprint reading, layout and design. Three clock hours per week each semester. Prerequisite: Related Basic Mathematics W-132.

#### 241-242 Welding Science — 4 credits
First semester—Study of the basic metallurgy properties of metals and tests to determine their uses; the iron carbon diagram and the part carbon plays in the production of steel. Second semester—Study of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code and procedures. Operators' qualifications; heat treatment of steels, classification of steels, testing and inspection of welds, behavior and influences of alloys in irons, steels and exotic metals, thermal curves, freezing alloys, structural composition, changes in the solid state and carbon precipitation and its effect on the chrome steels. Weldability of these metals.

#### 262 Occupational Relationships — 2 credits
CHILD CARE STUDIES (Supervisor)

This curriculum is planned for people interested in working as a supervisor in private day care centers, play grounds, camps, nurseries, kindergartens, and child development centers.

**Day Care Supervisor (18 Month Program)**

The graduate will assist with or operate a day care center which provides for physical care, emotional support and social development of children in groups.

This two year course will provide students with the opportunity to direct children's play, provide food, supervise workers, and manage resources in a nursery school setting. Completion of the program defined as Child Care Assistant is a prerequisite to the supervisor level program.

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**CC CHILD CARE — Courses**

101 Introduction to the Young Child and His World I — 3 credits

A beginning study of child development as it pertains to the pre-school child. A study of the types of centers and schools suitable for young children and of the types of methods which are used with these young children.

111, 112 Communication Skills — 3 credits

To manage symbols and discover meaning, candidly, clearly, and exactly is the performance objective of Communication Skills. As trainee, worker, citizen and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career. This is a nongraded, two semester credit course designed to maximize personal involvement.

141 The Health and Care of the Young Child — 2 credits

Basic nutrition and feeding of children as well as general health and safety education will be covered. Emphasis will be placed on providing a safe, healthful and pleasant life for children.

151 The Young Child and His World — 3 credits

A continuation of the Introduction to the Young Child and His World. Attention will be given to individual differences, and how to handle them as well as to some child psychology.

171 The Curriculum of the Young Child: Experience with Living Things — 4 credits

Introduction to the curricula media suitable for use with young children; this course will include books, stories, music, art, literature, rhythms, dramatic play, experiments and field trips available.

172 The Curriculum of the Young Child: The Child Centered, Subject Matter Centered Curriculum — 5 credits

A continuation of Curriculum of the Young Child I. This course will stress creativity with special emphasis of the development of the young child. Music, art, literature, and symbolic media will be stressed.

181-182 Supervised Student Experiences — 5 credits per semester

Observation and participating in a child center under supervision of a qualified instructor. Three hours daily will be devoted to laboratory participation, observation, and field trips.

201-202 Child Care Laboratory Supervision — 5-6 credits

This course is designed to enable the student to gradually assume responsibility for the total day care operation under supervision and consultation of the instructor.
PT PRE-TECHNICAL — Courses

010 Blueprint Reading and Basic Mechanical Drawing — 4 credit equiv.
An introductory course in blueprint reading, sketching and drafting methods, and procedures. 14 hours per week-lecture/lab.

020 Introduction to Technical Communications — 3 credit equiv.
A survey course of communication systems, use of technical libraries, forms, reports and technical language, word usage, spelling and proper form emphasized. 3 hours per week-lecture.

030 Introduction to Technical Mathematics — 4 credit equiv.
Survey and review of mathematic principles and methods. Uses of mathematics in technical fields with practical examples of application. 5 hours per week-lecture.

040 Science Survey — 4 credit equiv.
Review of science as related to technical industry with practical problems and applied solutions. 5 hours per week-lecture.

050 Technical Orientation — 1 credit equiv.
A survey course of the technical industry with several field trips and visits from representatives from various concerns that employ technicians. 3 hours per week-lecture.

DRAFTING TECHNOLOGY CURRICULUM

This curriculum is organized to provide engineering departments, government agencies, consulting engineers, and architectural firms with a technician well trained in the necessary basic skills and knowledge of drafting. The student is required to develop and maintain the same standards and techniques used in firms or agencies that employ draftsmen. Credits in this course of study are not counted toward an academic degree. Drafting Technology curriculum is open to both male and female students. All courses are taught each semester, so that students may enter at the beginning of any regular semester.

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</table>

The above non-credit courses are open to all students entering the technical programs in Boise State College.

The above sequence is offered every semester, as student pressure demands and will allow admittance in the spring as well as the fall semester.
DT DRAFTING TECHNOLOGY — Courses

101 Drafting Laboratory and Lecture — 4 credits
   General orientation in use and care of equipment, lettering, drawing layout, mechanical drawing, use of standards and manufacturer's catalogs. 15 clock hours per week.

102 Drafting Laboratory and Lecture — 4 credits
   Architectural drafting with instruction in use of standards, specifications, and building codes; perspective and rendering. Prerequisite DT-101. 15 clock hours per week.

111, 112 Communication Skills — 3 credits
   To manage symbols and discover meaning, candidly, clearly, and exactly is the performance objective of Communication Skills. As trainee, worker, citizen and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career. This is a nongraded, two semester credit course designed to maximize personal involvement.

121 Slide Rule — 1 credit
   Manipulation of slide rule to obtain mathematical proficiency, multiplication and division with application, proportion, principle, squares, square roots, cubes, cube roots and combined operations. Two clock hours per week.

122 Surveying — 3 credits
   Introduction to surveying, methods and computation. Required field work, with emphasis on compiling data and office computation, 4 clock hours per week. Prerequisite or corequisite with DT-132.

131 Mathematics — 3 credits
   Fundamentals of basic mathematics, algebraic computations, and their application to problems likely to be encountered by the draftsman. Four clock hours per week.

132 Mathematics — 3 credits
   Basic trigonometric functions, right triangles, oblique triangles and vectors. The course is closely integrated with the topics studied in science and drafting. Prerequisite DT-131. Four clock hours per week.

141 Applied Physics — 3 credits
   A general survey of physics with emphasis placed on principles of mechanics applied to solid particles and to fluids.

142 Applied Physics — 3 credits
   Course in the basic principles of heat, sound, light, electricity, and magnetism, correlated with technical mathematics DT-132. Four clock hours per week. Prerequisite: DT-141.

151 Design Orientation — 2 credits
   A lecture-laboratory course designed to provide an opportunity for the student to apply theory, principles and methods to the solution of problems typical of those to be encountered in practice. Two clock hours per week.

201 Drafting Laboratory and Lecture — 4 credits
   Civil drafting, mapping, highway curves, and earthwork. 15 clock hours per week. Prerequisite: DT 122, DT 132, DT 102.

202 Drafting Laboratory and Lecture — 4 credits
   Structural drafting terminology, structural and reinforcing steel specifications and drawing practice. Prerequisite: DT 201, DT 221. 15 clock hours per week.

221 Descriptive Geometry and Development — 3 credits
   Theory and practice of coordinate projection applied to the solution of properties of points, lines, planes and solids with practical drafting application. Four clock hours per week.

222 Technical Report Writing — 2 credits
   A course to provide an understanding and practice in the processes involved in technical writing and methods of preparing reports based on problems related to the student's curriculum. Two clock hours per week.

231 Applied Mathematics — 3 credits
   Solution of practical problems involving concepts from DT 131 and DT 132 Math. Prerequisite: DT 132. Four clock hours per week.

232 Applied Mathematics — 3 credits
   Prerequisite: DT 231. Four clock hours per week. Application and expansion of mathematics, statics and strength of materials. Related to lab projects.

241 Statics — 3 credits
   Introductory course in statics with emphasis on analysis of simple structures. Four clock hours per week. Prerequisite: DT 132.

242 Strength of Materials — 3 credits
   Analysis of stress and strain in torsion, tension, compression and bending, shear and moment diagrams and sectional geometry. Four clock hours per week. Prerequisite: DT 132.

251 Manufacturing Processes — 1 credit
   A survey of materials, machine, tools, production methods, and quality control methods. One clock hour per week.

252 Introduction to Computer Programming — 2 credits
   This course is designed to give students the general concepts of problem-oriented computer language, including flow charting, coding, and the writing of FORTRAN IV programs. The Boise State College computer facility will be used with the course. Three clock hours per week.

261 Special Projects and Reports — 2 credits
   A general survey of the industrial community and the problems, advances and future developments as pertaining to the drafting technician. The application of the draftsman's ability to analyze and solve problems particular to their chosen field of emphasis. Two clock hours per week.

262 Occupational Relationships — 2 credits

ET ELECTRONICS — CURRICULUM

The Electronics Technology program provides training for students desiring to enter the field of Electronics, working as team members with engineers in research and development.

Credits in these courses of study are not counted toward an academic degree. The Electronics curricula are open to both men and women students.

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>COURSE NO. AND TITLE</th>
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<tr>
<td>ET-101-102 Electronics Laboratory</td>
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<td>ET-111-112 Communication Skills</td>
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<td>ET-131-132 Basic Electronics Math</td>
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<td>ET-141-142 Electronics Science</td>
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<td>ET-171-172 Circuit Analysis</td>
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<td>ET-151-152 Electronics Theory</td>
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SOPHOMORE YEAR:

VOCATIONAL TECHNICAL SCHOOL
Food Service

ET ELECTRONICS — Courses

101 Electronics Laboratory — 2 credits
Study of basic electricity, color code, test equipment, L.C.R. components, basic vacuum tubes and transistors. Logic circuits as applied to data handling equipment. Ten hours laboratory per week.

102 Electronics Laboratory — 2 credits
A continuation of ET-101. Basic radio receiver and transmitter analysis, and basic amplifiers, printed circuit design and processing. Prerequisite: Electronics Laboratory ET-101. Ten hours laboratory per week.

111, 112 Communication Skills — 3 credits
To manage symbols and discover meaning, candidly, clearly, and exactly is the performance objective of Communication Skills. As trainee, worker, citizen and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career. This is a nongraded, two semester credit course designed to maximize personal involvement.

131-132 Basic Electronics Mathematics — 4-4 credits
First semester—Review of basic fundamentals of mathematics, slide rule, algebra, geometry, and basic trigonometry. Second semester—A continuation of first semester, logarithms, slide rule, and an introduction to analytical geometry. Five clock hours per week.

141-142 Electronics Science — 1-1 credits
Designed to instruct the student in practice of drawing schematics, develop good electrical engineering lettering techniques, and understanding symbols, dimensions and designs. Second semester deals with digital computer programming. Two clock hours per week.

151 Electronics Theory — 5 credits
The theory of basic electricity, color code, test equipment, L, C, & R components; transistors, vacuum tubes and an introduction to logic circuits. Five clock hours.

152 Electronics Theory — 5 credits
A continuation of ET 151 with an emphasis placed on the function of the components, studied first semester, into systems in this course. These systems include basic amplifiers, AM receivers and AM transmitters. Five clock hours.

171-172 Circuit Analysis — 3 credits
The study of basic electricity and basic electronics with the emphasis on system and data flow. These two courses stress the analyzing of circuits the student has never seen before and the technical report writing necessary to convey these analysis to prose. Five clock hours.

201-202 Advanced Electronics Laboratory — 5-5 credits
First semester—Consists of practice on F.M. and T.V. receivers, scopes, pulse network, alignment of T.V. and F.M. circuits, pulse, differentiating and integrating circuits, antenna and transmission lines. Second semester—Industrial electronics, computers, transistors, and a continuation of first semester studies. Prerequisite: Electronics Laboratory and Lecture ET-102. Fifteen clock hours per week.

231-232 Advanced Electronics Mathematics—3-3 credits
The student will be concerned with advanced trigonometry, analytical geometry, and introduction to calculus. Prerequisite: Basic Electronics Mathematics ET-132. Five clock hours per week.

241-242 Advanced Electronics Science — 4-4 credits
Basic physics as it applies to the electronic technician’s needs. This course deals with mechanics, heat, sound, and light. Prerequisite: Electronics Science ET-142. Five clock hours per week.

251-252 Advanced Electronics Theory — 2-4 credits
Fall semester—Covers the fundamentals of broadband amplifiers, pulse network and techniques, deflection circuits, synchronization circuits and F.M. and T.V. equipment. Spring semester—Covers the theory and design of industrial controls, transistors, servo and syncro principles. Three clock hours per week Fall and five clock hours per week Spring.

262 Occupational Relationships — 2 credits

FT FOOD SERVICE TECHNOLOGY — CURRICULUM

COURSE NO. AND TITLE CREDITS

FIRST SEMESTER

FT-151 Food Theory .. 5
FT-111 Communicative Skills .. 2
FT-131 Basic Mathematics .. 2
FT-101 Dining Room Laboratory .. 6
FT-262 Occupational Relationships .. 1

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SECOND SEMESTER

FT-141 Basic Nutrition .. 2
FT-152 Menu Planning .. 2
FT-132 Kitchen Mathematics .. 3
FT-121 Purchasing .. 3
FT-102 Food Preparation Laboratory .. 6

16

THIRD SEMESTER

FT-231 Restaurant Accounting .. 3
FT-221 Catering .. 3
FT-201 Baking .. 3
FT-202 Restaurant Management .. 5
FT-241 Specialty Cooking .. 2

16

FOURTH SEMESTER

FT-203 Field Work .. 14
FT-222 Seminar .. 2

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FT FOOD SERVICE TECHNOLOGY — Courses

101 Dining Room Laboratory — 6 credits
This course covers the practical side of handling prepared food, bus and set tables, wait on tables, dining room etiquette, dishwashing room and cashiering. We concentrate on a certain job if student desires one aspect only, such as dishwashing. This course also familiarizes the students with general safety and sanitation rules pertaining to the entire restaurant as those specifically required to use and maintain the equipment in both the dining room and kitchen. Fifteen clock hours per week.

121 Purchasing — 3 credits
The practices of food purchasing, both theory and practical application. Includes storage and handling as well as food standards. This course covers proper store room procedures, issuing, and record keeping with vendors and salesmen, and product cutting and testing. Three clock hours per week.

201 Baking Laboratory and Theory — 3 credits
Procedure and formulas used in industry bake shops. Preparation of bakery goods used at Boise Interagency Fire Center mess hall including: dinner rolls, muffins, Danish pastry, sweet breads, cakes, dessert items both plain and fancy. Six clock hours per week.

202 Restaurant Management — 5 credits
Students are taught the management phase in both the front and back of the house by acting as student chef, purchasing manager, dining room manager and other supervisor jobs for the Boise Interagency Fire Center mess hall. Sixteen clock hours per week.

151 Food Theory — 5 credits
This class is to develop an understanding of the basic principles of cookery, skill and efficiency in preparation of foods; an appreciation of high standards of production, efficient use of time and attractive sanitary service of foods; an appreciation for the care and safe use of utensils and equipment; harmonious and cooperative working habits, and to introduce the student to the use of large quantity equipment and to develop an understanding of the basic principles of cookery and also to gain knowledge of foods and their uses. Ten clock hours per week.

102 Food Preparation Laboratory — 6 credits
This course is designed to correlate the theory of departmental technical courses with actual large quantity food service practice in situations such as would be found in the food service industry. Twenty clock hours per week.

241 Specialty Cooking Subjects — 2 credits
This course includes fine pastry and sugar work, ice carving, layout and interiors, wine course, and marketing. Two clock hours per week.

203 Field Work — 14 credits
Student is placed in restaurant under supervision of Chef. First to observe, then help, and finally do the production job while their paid employee observes. He does every position in the kitchen and/or dining room. Twenty-eight clock hours per week.

222 Seminar — 2 credits
Two clock hours per week.

RELATED SKILLS COURSES

111 Communication Skills — 2 credits
To manage symbols and discover meaning, candidly, clearly, and exactly is their performance objective of Communication Skills. As trainee, worker, citizen and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career. This is a nongraded, two credit course designed to maximize personal involvement.

262 Occupational Relationships — 1 credit

131 Basic Mathematics — 2 credits
Fundamentals of basic mathematics, fractions, decimals, percents as used in the Hospitality industry. Two clock hours per week.

132 Kitchen Mathematics — 3 credits
A review of fundamental mathematical operations used in a food establishment. Converting and costing standard formulas, baker's scale drill, guest checks, weights and measurements, and business forms. Three clock hours per week.

231 Restaurant Accounting — 3 credits
A study of the function of the profit and loss statement through the use of the balance sheet, income statement, payroll reports, sales income, time cards, records, reports, Federal, State and Social Security taxes, paychecks and figuring percentage of sales. Three clock hours per week.

141 Basic Nutrition and Diet Therapy — 2 credits
Study of fundamentals of nutrition as a factor of menu planning, food preparation and storage. Two clock hours per week.

152 Menu Planning — 2 credits
The characteristics of a good menu, types of menus, the relationship between menu planning and personnel and equipment. Sales history and production sheets will be studied to aid the student in writing successful menus. Two clock hours per week.

MM FASHION MERCHANDISING — MID-MANAGEMENT CURRICULUM

FRESHMAN YEAR:

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<tr>
<th>Course</th>
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<tr>
<td>Introduction to Business</td>
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<tr>
<td>Salesmanship</td>
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<tr>
<td>Clothing</td>
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<tr>
<td>Business Math/Machines</td>
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<tr>
<td>Clothing Selection</td>
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<td>Textiles</td>
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<tr>
<td>Elements of Management</td>
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<tr>
<td>Principles of Accounting</td>
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<td>Mid-Management Work Experience</td>
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SOPHOMORE YEAR:

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<th>Course</th>
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<td>Introduction to Marketing</td>
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<td>Fashion Analysis and Design</td>
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<td>Professional Speech Communication</td>
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<td>Retail Buying</td>
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<td>Mid-Management Work Experience</td>
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<td>Report Writing</td>
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<td>Principles of Retailing</td>
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<td>Visual Merchandising</td>
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<td>Supervision of Personnel</td>
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VOCATIONAL TECHNICAL SCHOOL
Auto Body, Auto Mechanics

MM MARKETING — MID-MANAGEMENT — CURRICULUM

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>SUBJECT</th>
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<tbody>
<tr>
<td>English Composition</td>
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<tr>
<td>Introduction to Business</td>
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<td>Business Mathematics/Machines</td>
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<td>Salesmanship</td>
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<td>Principles of Accounting</td>
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<td>Merchandise Analysis</td>
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<td>Mid-Management Work Experience</td>
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<td>Elements of Management</td>
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<td>Professional Speech Communication</td>
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SOPHOMORE YEAR:

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<tr>
<th>SUBJECT</th>
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<tbody>
<tr>
<td>Introduction to Marketing</td>
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<tr>
<td>Principles of Retailing</td>
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<tr>
<td>Principles of Economics</td>
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<tr>
<td>Visual Merchandising</td>
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<td>Report Writing</td>
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<td>Supervision of Personnel</td>
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<td>Retail Buying</td>
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<td>Credit and Collections</td>
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<td>Mid-Management Work Experience</td>
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MM MARKETING, MID-MANAGEMENT — Courses

Course offerings are described in Part IV.

VOCATIONAL
One Year Programs

AB AUTO BODY — CURRICULUM
11 Month Program

The Auto Body curriculum is designed to provide the student with the background necessary for employment in a shop repairing damaged automobiles. Basic laboratory practices of restoring vehicles to their original design, structure, and finish are covered in this course. Some basic glasswork and frame alignment work are also covered. The student is given the opportunity to work on a variety of repair jobs in the shop, and to spend time in the parts and tool room. This training provides students with the necessary skills and knowledge for employment in the Auto Body Trade and closely allied crafts. Credits in this course of study are not counted toward an academic degree.

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<tr>
<th>SUBJECT</th>
<th>COURSE NO. AND TITLE</th>
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<td>AB-121-122-123 Auto Body Lab</td>
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<tr>
<td>AB-141-142-143 Auto Body Theory</td>
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<tr>
<td>AB-262 Occupational Relationships</td>
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AM AUTO MECHANICS—CURRICULUM
11 Month Program

The modern developments in our enormous automotive industry demand the employment of highly skilled mechanics, well-trained in maintenance and repair techniques. This course provides the basic background and experience necessary for employment in the automotive mechanics field and allied vocations. Credit in this course of study are not counted toward an academic degree.

<table>
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<tr>
<th>SUBJECT</th>
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<td>AM-101-102-103 Automobile Lab</td>
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<td>AM-151-152-153 Automotive Theory</td>
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AM AUTO MECHANICS—Courses

101 Automotive Laboratory — 10 credits

This course correlates with the Automotive Theory course No. 151. In this phase of the automotive course the student is instructed in the overhauling and repairing of the engine and all internal parts. This phase of the training is on live work which gives the students the advantage of learning under actual working conditions they will encounter in the field. Checking and repairing steering suspension, and wheel alignment is also included. Shop safety, cleanliness, and management are taught 25 hours per week.

102 Automotive Laboratory — 10 credits

This course correlates with Automotive Theory AM 152. It is designed to train students in testing and repairing all electrical system. The fuel system and carburetion are covered as well as the ignition system. This includes step by step procedure in automotive tune-up test equipment. This phase of training is mostly live work. 25 hours per week.
103 Automotive Laboratory — 7 credits
This course correlates with Automotive Theory course AM 153. Shop practice in automobile powertrains and brake systems. Includes garage practices, experiments, troubleshooting, proper diagnosis and repair of units in the shop on mockup units and live work on automobiles. Includes practice, care and safety of special equipment, machines and service tools. Shop safety, cleanliness and management are covered. 25 hours per week.

151 Automotive Theory — 5 credits
The theory of the design, construction, maintenance and repair of automotive engines and fuel systems are studied in detail through the use of textbooks, manuals, visual aids, and lectures. 10 hours per week Spring and Summer. 8 hours per week Fall.

152 Automotive Theory — 5 credits
This course relates the construction and operation of each of the subjects given in the laboratory course AM 102. 10 hours per week Spring and Summer. 8 hours per week Fall.

153 Automotive Theory — 5 credits
Classroom study of the theory of the design, construction purpose and repair of the powertrain and brake systems by discussion, lecture, textbooks, visual aids and manufacturers' manuals and pamphlets. 10 hours lecture Summer and Spring. 8 hours lecture Fall per week.

262 Occupational Relationships — 2 credits

CHILD CARE STUDIES (Assistant)

9 Month Program
This curriculum is planned for people interested in working with children as an assistant in private, playgrounds, camps, day care centers, nurseries, kindergartens, and child development centers.

Child Care Assistant (9 Month Program)
The graduate will be able to function effectively under supervision in caring for children's normal physical, emotional and social needs in group care centers, children's homes, hospitals, nurseries, and industry. This 9 month course will provide study of child growth, ways of working with children - infants, toddlers, and school age children and laboratory experience in a nursery school setting.

Entrance Requirements
Personal interest, interview, and aptitude testing.

DAY CARE ASSISTANT

<table>
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<th>COURSE NO. AND TITLE</th>
<th>FALL</th>
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<td>CC-101 Introduction to the Young Child and His World</td>
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<tr>
<td>CC-141 Health and Care of the Young Child I</td>
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<td>CC-171-172 Curriculum of the Young Child</td>
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<td>CC-111 Communication Skills</td>
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<td>CC-181-182 Supervised Student Experiences I, II</td>
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<tr>
<td>CC-151 The Young Child and His World</td>
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<td>CC-262 Occupational Relationships</td>
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<td><strong>TOTAL</strong></td>
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CC CHILD CARE STUDIES (Assistant)
Child Care Studies (Assistant) courses are described under Vocational Two-Year Programs.

DA DENTAL ASSISTANT—CURRICULUM

9 Month Program
The Dental Assisting Program consists of Dental Assistant Theory, Dental Laboratory instruction and Clinical Experience. Boise State College works with the Dental Advisory Board in planning and promoting the program and curriculum. Changes may be made at any time to take advantage of advances in the Dental profession.

Entrance requirements: High School Diploma or Equivalency Certificate, acceptable scores on the G.A.T.B., personal interview and aptitude testing. Typing is a prerequisite. The dental assistance courses are taught by a dentist and a dental assistant instructor.

This is an accredited program by the Council on Dental Education and the American Dental Assistant Association. Students are eligible to take the Certification Examination upon completion of the course.

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<th>SUBJECT</th>
<th>COURSE NO. AND TITLE</th>
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<td>DA-101-102 Dental Laboratory</td>
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<tr>
<td>DA-106 Dental Assisting Clinical Experience</td>
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<tr>
<td>DA-108 Dental Office Management</td>
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<tr>
<td>DA-109 Public Health and Dental Hygiene</td>
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<td>DA-111-112 Communication Skills</td>
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<tr>
<td>DA-151-152 Dental Theory</td>
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<tr>
<td>DA-262 Occupational Relationships</td>
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<td>SP-111 Fundamentals of Speech</td>
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<td>PE-105 First Aid (Elective)</td>
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<td><strong>TOTAL</strong></td>
<td><strong>21</strong></td>
<td><strong>14</strong></td>
<td></td>
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</tbody>
</table>

DA DENTAL ASSISTING — Courses

101-102 Dental Laboratory — 4.3 credits
This course consists of practical laboratory training in manipulation of dental materials, instrumentation, sterilization, and laboratory experience in a laboratory setting.
z197n and care, pouring and trimming study models, custom trays, investing and casting, use of equipment and safety, and exposing and processing dental X-rays. Taken concurrently with DA 151-152. Fourteen clock hours per fall semester. Six clock hours spring semester.

106 Dental Assisting Clinical Experience — 3 credits
Supervised chairside assisting experience in the private dental offices and hospital dental clinics. Sixteen clock hours per week.

108 Dental Office Management — 2 credits
The fundamentals of business practices as related to dentistry including bookkeeping, appointment control, supply control, business correspondence, as well as credit and collection procedures. Two clock hours per week.

109 Public Health and Dental Hygiene — 2 credits
This course deals with phases of health in which the student can aid in conserving the general and dental health of herself, her family and the community. It is concerned with such subjects as Federal and State Health Departments, preventive dentistry, communicable disease, degenerative disease, diet and nutrition, mental health and general health information. Two clock hours per week.

111, 112 Communication Skills — 3 credits
To manage symbols and discover meaning, candidly, clearly, and exactly is the performance objective of Communication Skills. As trainee, worker, citizen and human being, regardless of preparation and background, each student is provided opportunity through individual and group projects to identify and resolve communication issues relevant to his own need and career. This is a nongraded, two semester credit course designed to maximize personal involvement.

151-152 Dental Theory — 4-3 credits
Comprehensive introduction to basic theory relating to dental assisting. The course includes lecture time in ethics, professional relationships, patient education, dental anatomy, terminology, charting, related sciences, and dental specialty fields. Taken concurrently with DA 101-102. Seven clock hours per week Fall semester, six clock hours per week Spring semester.

262 Occupational Relationships — 2 credits

DM HEAVY DUTY MECHANICS — DIESEL
11 Month Program

This program is designed to prepare students for employment as heavy duty mechanics in the trucking industry. Instruction will cover basics in design and fundamentals of operation of diesel and heavy duty gasoline engines as well as the other component parts of the truck. Instruction will be on mock-ups and live work in the shop.

SUBJECT

DM-101, 102, 103 Diesel Lab
DM-151, 152, 153 Diesel Theory
DM-262 Occupational Relationships

101-102-103 Diesel Laboratory — 10-10-10 credits
This course provides the laboratory application of principles covered in the theory class. Basic instruction will be on mock-ups and shop units but most experience will be in making actual repairs to live units.

151-152-153 Diesel Theory — 5-5-5 credits
A study of the design, construction, maintenance and repair of trucks and diesel and heavy duty gasoline engines. Shop safety, care and use of tools, internal combustion engines, transmissions and power trains, cooling systems, fuel systems, electrical systems, suspension and hydraulic and air brakes will be studied.

262 Occupational Relationships — 2 credits

OF OFFICE OCCUPATIONS

Open Entry — Open Exit

The Office Occupations curriculum is designed to assist the student to progress on an individualized basis to employment in one or more of the various classifications of office occupations. The length of the course will depend upon the individual’s goals and abilities. A certificate will be awarded upon completion of the course.

Admission:
Entrance requirements: All Boise State College admissions requirements must be met. The General Aptitude Test Battery (GATB) score must be on file in vocational counseling office. A personal interview is required by a vocational counselor at the School of Vocational Technical Education before admission.

Classroom work includes instruction in typewriting, stenography, business communications, business mathematics and machines, machine transcription, filing, accounts receivable, accounts payable, bookkeeping, payroll accounting, office practice, vocabulary and spelling, employment search. There are various levels of these courses available. The student may be a beginner or an advanced clerical trainee; therefore, there will be a variation of training time. The course curriculum is selected to meet the requirements of the individual’s goals and abilities.

OR OPERATING ROOM TECHNOLOGY
9 Month Program

The Operating Room Technology Program, in cooperation with St. Alphonsus Hospital is approximately nine months in length and consists of daily practice in surgery and classroom instruction. A certificate will be awarded upon graduation from the course. Students are then eligible to take a certifying exam, which if passed, qualifies them as Certified Operating Room Technicians recognized by the Association of Operating Room Technicians and the Association of Operating Room Nurses and the American College of Surgeons.

Admission:
Entrance requirements: High School graduation or passing the General Educational Development Test.
Satisfactory scores on the General Aptitude Test Battery. These tests are given at the Department of Employment and Boise State College respectively. A complete medical and dental examination is required. A personal interview with the instructor is necessary before admission. An advisory board recommends dismissal of students not performing in a satisfactory manner.

Classroom work includes instruction in basic sciences of anatomy and physiology, microbiology, sterilization, aseptic technique, instruction in the needs of humans in surgery, with emphasis on the operating room technician's part in meeting these needs.

Clinical experience consists of supervised hospital surgical experience in the operating room in all phases of surgery. Students are taken on field trips to specific health agencies in the community.

**PC PARTS COUNTERMAN**

**9 Month Program**

The Counterman Program is designed to familiarize the student with all phases of the Automotive parts business. A study of index systems, types of invoices, customer relations, refunding, refunding procedures and warranty adjustments will be covered. Emphasis and training on the use of catalogs, price sheets, and other related forms used in the parts industry are considered.

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>COURSE NO. AND TITLE</th>
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<td>PC-101-102</td>
<td>Parts Counterman Lab</td>
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<td>PC-151-152</td>
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<td>PC-131</td>
<td>Related Basic Mathematics</td>
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<tr>
<td>PC-262</td>
<td>Occupational Relationships</td>
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</table>

| PC PARTS COUNTERMAN — Courses |
|---|---|
| 101-102 | Automotive Parts Laboratory — 10 - 10 credits |
| In the laboratory experience, the student will gain full understanding of the organization of a parts store. A “mock store” is established and operated on campus in conjunction with the Automotive Mechanics and Auto Body Programs. The Lab experience includes training for each particular type of dealership and jobber operation. |

| 151-152 | Automotive Parts Theory — 5 - 5 credits |
| Through the use of catalogs, manuals, visual aids and class lectures, theory and application of procedures are studied. New methods such as microfilm readers are used in the theory portion of the class. |

| 131 | Related Basic Mathematics — 2 credits |
| Basic arithmetic and a study of fractions, decimals and percentages are covered. Micrometer readings to ten one-thousandths of an inch are taught. The different types of discounting are fully covered. |

| 262 | Occupational Relationships — 2 credits |

**PN PRACTICAL NURSING PROGRAM**

**12 Month Program**

The practical nursing program, in cooperation with three hospitals, two nursing homes, the Idaho State School and Hospital and the State Board for Vocational Education, is approximately one calendar year in length and consists of daily hospital nursing experiences and classroom instruction. A certificate is awarded upon graduation from the course. Students are then eligible to take the state licensing examination, which, if passed, qualifies them as Licensed Practical Nurses.

**Admission:**

Entrance requirements: High school graduation or passing the General Educational Development Test. Satisfactory scores on the General Aptitude Test Battery and a pre-entrance test, which are given by the Department of Employment and Boise State College respectively. A complete medical and dental examination is required. The selection Committee recommends to the director candidates for the program after a personal interview. They also recommend dismissal of students not performing in a satisfactory manner.

Classroom work includes instruction in the needs of humans in health and in sickness, with emphasis on the practical nurses' part in meeting these needs.

Clinical experience consists of supervised hospital nursing experience in caring for patients with medically and surgically treated conditions, caring for sick children, new mothers and infants. Students are taken on field trips to specific health agencies in the community.
**W BASIC WELDING—CURRICULUM**

9 Month Program

The welding curriculum is designed to provide the student with usable skills and should qualify him for employment as a production welder. Some students may desire to terminate their training at this point. The second year of the program will provide advanced training in layout and a better understanding of the properties of metals as well as advanced techniques and processes that are in demand in industry. The course of study may be altered to keep abreast of new welding procedures and advancements in industry.

**FRESHMAN YEAR:**

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<td>W 111 Communication Skills</td>
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<td>W 131-132 Related Basic Math</td>
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<td>W 151-152 Welding Theory</td>
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<tr>
<td><strong>CREDITS</strong></td>
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**W BASIC WELDING — Courses**

Basic Welding courses are described under Vocational Two-Year Programs. See page 154.

**PRE-VOCATIONAL TRAINING**

Pre-vocational education for vocational students or adults who have not completed high school is offered through the Vocational Technical School. The courses include adult basic education, preparation for the high school equivalency certificate, adult guided studies, and approved high school courses in American Government, Mathematics, English, Social Studies and Natural Science. Classes are determined according to individual needs of the students. Classes are approved by the State of Idaho and for veterans qualifying under Chapter 34, Title 38, U.S.C. (Var 14253 A2).

A special guided studies program for adults has been developed to help upgrade skills, to help adults prepare for better jobs and to prepare for or further vocational training.

**PATROLMAN (Government Service)**

Under the Manpower Development Training Act this course is carried on at the Mountain Home Air Force Base. It is limited to servicemen about to be discharged. Selection of students is made by the Department of Employment.

Instruction is conducted by persons trained in police work. The basic fundamentals of police duties and functions are covered by the course.

**APPRENTICESHIP AND TRADE EXTENSION**

Through cooperative arrangements with the State Board for Vocational Education, Boise State College Vocational Technical Division sponsors a wide range of trade extension training for beginning, apprentice and journeyman workers. Such courses are designed to meet the specific needs of industry, labor, agriculture, and government. Classes usually meet in the evening. Flexibility of scheduling, content, place of meeting is maintained in order to meet the growing educational needs of the community. Typically, though not invariably, such courses provide related technical training for those workmen receiving on-the-job instruction in such vocations as Sheetmetal, Carpentry, Plumbing, Welding, Electricity, Electronics, Typing, Grocery Checking, Automotives, Nursing and Farming.

Information concerning admission requirements, costs, dates, etc., may be obtained from Boise State College School of Vocational-Technical Education.

**ADULT BASIC EDUCATION — No Credit**

This program offers classes in basic arithmetic, reading, English and speaking skills for people who are performing below a twelfth grade academic level. Preparation for United States citizenship, beginning reading for adults, and English as a second language for non-English speaking people are offered through the Adult Education Program.

**HIGH SCHOOL EQUIVALENCY (GED PREPARATION) — No Credit**

The High School Equivalency Program is a course designed for people who are performing below a twelfth grade academic level. This program is designed to help people prepare for their high school Equivalency Test (GED).
Boise State Full-Time Faculty

January, 1974
(The date in parentheses is the year of first appointment)

A

LOUISE ACKLEY, Assistant Professor of English (1969)
A.B., Northwest Nazarene College; M.A., University of Washington.

DOROTHY ALBERTSON, Associate Professor of Office Administration (1953)
B.S. (Ed.), University of Nebraska; M.A., College of Idaho; State University College of Plattsburg, New York; University of Idaho; University of Denver.

JOHN W. ALLEN, Assistant Professor of Physics (1971)
B.A., Willamette University; M.A., Ph.D., Harvard University.

ROGER H. ALLEN, Associate Professor of Business Administration (1966)
A.A., Boise Junior College; B.S., University of Nevada; M.B.A., Northwestern University.

ROBERT M. ANDERSON, Assistant Professor of Mathematics (1970)
B.S., Utah State University; Ph.D., Michigan State University.

DAVID C. ANDRESEN, Assistant Professor: Acquisitions Librarian (1973)

JAMES K. APPLEGATE, Assistant Professor of Geology (1971)
Geophysical Engineer, M.S., Colorado School of Mines.

CARLOS ARREOLA, Instructor, Psychometrist, Counseling, Guidance, and Testing Center (1973)

E. BARRY ASMUS, Assistant Professor of Economics (1971)
B.S., M.S., Colorado State University; Ph. D., Montana State University.

B

STEVEN F. BAGGERLY, Instructor in Machine Shop (1968)
Diploma, Boise Junior College.

CHARLES W. BAKER, Associate Professor of Biology (1968)
B.S., M.S., University of Nevada; Ph.D., Oregon State University.

RICHARD BAKER, Assistant Professor of Sociology (1973)
B.A., M.A., University of Wyoming; Ph.D., Washington State University.

JOHN B. BALDWIN, Assistant Professor of Music (1971)
B.M.E., M.M.E., Wichita State University; Ph.D., Michigan State University.

RICHARD C. BANKS, Associate Professor of Chemistry (1968)
B.S., College of Idaho; Ph.D., Oregon State University.

JOHN B. BARNES, Professor of Education, President (1967)

GWYNN BARRETT, Associate Professor of History (1968)
B.S., Utah State University; M.A., University of Hawaii; Ph.D., Brigham Young University.

WYLLA BARSNESS, Associate Professor of Psychology (1968)
A.B., William Jewell College; M.S., Montana State University; Ph.D., University of Minnesota.

KATHRYN I. BECK, Assistant Professor of Social Work (1972)
B.A., Washington State University; M.S.W., Florida State University.

ROGER L. BEDARD, Instructor in Theatre Arts (1973)
B.A., University of Northern Iowa; M.B.A., University of Michigan.

H. WILLIAM BELKNAP, Associate Professor of Biology (1959)
B.A., College of Idaho; M.S., Arizona State University; University of Oregon.

HERBERT K. BELL, Jr., Associate Professor of Accounting (1970)
J.D., University of Louisville; M.B.A., U.S. Air Force Institute of Technology; C.P.A.; University of Maryland; Midwestern University.

JOHN H. BEST, Professor of Music (1947)
B.S., University of Idaho; M.A., Colorado State College of Education; Cello Pupil of Elias Trustman and Joseph Wetzels; Composition and Theory Pupil of J. DeForest Cline and Henry Trustman Ginsburg; Suzuki Institute and Toho School, Japan.

CAROL JEAN BETTIS, Assistant Professor, Assistant Librarian (1970)

JOHN PATRICK BITER, Associate Professor of Teacher Education and Library Science (1969)
B.A., St. Thomas College; M.A., University of California at Berkeley; Ed.D., University of Idaho.

DONALD B. BILLINGS, Associate Professor of Economics (1972)
B.A., San Diego State College; M.A., Ph.D., University of Oregon.
ROBERT R. BOREN, Assistant Professor of Business .... (1973)
B.S.Ed., University of Alabama; M.Ed., University of North Carolina; Ed.D., North Texas State University.

KAREN J. BOUNDS, Assistant Professor of Business .... (1973)
B.S.Ed., University of Alabama; M.Ed., University of North Carolina; Ed.D., North Texas State University.

BILL C. BOWMAN, Associate Professor of Physical Education .... (1969)
B.A., Southern Idaho College of Education; M.Ed., University of Oregon; Ed.D., Brigham Young University.

PHYLLIS E. BOWMAN, Assistant Professor of Physical Education .... (1970)
B.S., Utah State University; M.A., Brigham Young University; Weber State.

DALE BOYER, Associate Professor of English .... (1968)
B.A., M.A., University of Oregon; Ph.D., University of Missouri.

RICHARD F. BOYLAN, Assistant Professor of Communication .... (1971)
B.A., University of Arizona, M.A., Ph.D., University of Iowa.

JEAN BOYLES, Assistant Professor of Physical Education .... (1949-57, 1962, 1969)
A.B., University of California; M.S., University of Colorado.

BRYCE T. BRADLEY, Assistant Professor of Accounting .... (1970)
B.S., Idaho State University; M.B.A., University of Utah; C.P.A., Golden State College, University of Nebraska.

C. GRIFFITH BRATT, Professor of Music, Composer Artist-in-Residence .... (1946)

J. WALLIS BRATT, Assistant Professor in Music .... (1970)
B.M., University of Idaho; M.M., University of Utah.

SUSAN I. BRENDEI, Assistant Professor of Office Administration .... (1969)
B.S.C., M.A.; Ph.D., University of Iowa.

PHOEBE L. BRYANT, Associate Professor of History .... (1966)
B.S., M.S., Drake University.

JAMES J. BUCHANAN, Assistant Professor of Welding .... (1959)
Heli-arc School of Welding for Bechtel Corporation San Francisco; Heli-arc School, Atomic Energy Commission, Arco, Idaho; and Paducah, Kentucky; Vocational Education, National Defense, Boise; Boise Junior College; Idaho State College.

RICHARD E. BULLINGTON, Professor of Education, Executive Vice President .... (1968)
B.S., Rutgers, M.A., Ed.D., University of Alabama.

RALPH BURKEY, Instructor in Drafting Technology .... (1973)
Chicago Technical College; Wright Junior College; Iowa State University; Indian Hills Community College.

ORVIS C. BURMASTER, Assistant Professor of English .... (1968)
B.S., Montana State College; M.A., University of Montana; South Dakota State College, Utah State College.

CLARA P. BURTCH, Assistant Professor of Teacher Education and Library Science .... (1969)
B.A., M.A., College of Idaho.

MAXIMO J. CALLAO, Assistant Professor of Psychology, Counselor .... (1971)
B.A., San Jose State College, M.S.Ed., Ph.D., Purdue University, University of Hawaii.

ERMA M. CALLIES, Instructor Vocational Counselor .... (1969)
B.S., South Dakota University.

R. RUSSELL CAMPBELL, Associate Professor of Physics .... (1970)
B.S., University of Washington, M.A., Ph.D., University of California, Irvine.

WILLIAM J. CARSON, Associate Professor of Accounting .... (1963)
B.S., University of Notre Dame; M.B.A., University of Denver; University of Wyoming.

LOREN S. CARTER, Associate Professor of Chemistry .... (1970)
B.S., M.S., Oregon State University; Ph.D., Washington State University.

JOHN A. CAYLOR, Professor of History .... (1965)
A.B., Nebraska Teacher's College; M.A., Ph.D., University of Nebraska.

TOBY CEDAR, Assistant Professor of Political Science .... (1973)
A.B., Wayne State University; M.P.A., University of Michigan; Ph.D., Wayne State University.

RUSSELL CENTANNI, Assistant Professor of Biology .... (1973)
B.S., M.S., John Carroll University; Ph.D., University of Montana.

WILLA M. CHAFFEE, Instructor in Practical Nurses Training .... (1967)
R.N., St. Lukes Hospital; University of Colorado.

ACEL H. CHATBURN, Professor of Education .... (1944)
B.A., College of Idaho; University of Idaho; M.A., University of Colorado; Ed.D., Washington State University; University of California at Berkeley.

WAYNE CHATTERTON, Professor of English .... (1968)
B.S., M.A., Brigham Young University; Ph.D., University of Utah.

JAMES LEE CHRISTENSEN, Associate Professor of Sociology .... (1970)
B.S., Brigham Young University; M.A., University of Wyoming; Ph.D., University of Utah.

MARVIN CLARK, Professor of Business Education: Chairman, Department of Business Education & Office Administration .... (1969)
B.S., St. Cloud State College; M.A., Ph.D., University of Minnesota.

MICHAEL E. CLEVELAND, Assistant Professor of Music .... (1970)
B.A., San Jose State College; M.M., D.M.A., University of Oregon.

MARGARET A. COCOTIS, Assistant Professor of English .... (1968)
B.S., Portland State College; M.A., Reed College; Oregon State College.
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
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</tr>
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<tbody>
<tr>
<td>T. VIRGINIA COX</td>
<td>Assistant Professor of Anthropology</td>
<td>San Diego State College; M.A., University of California at Davis</td>
<td>(1967)</td>
</tr>
<tr>
<td>PATRICIA CORRELL</td>
<td>Instructor in Vocational-Technical Education</td>
<td>Washington State University</td>
<td>(1973)</td>
</tr>
<tr>
<td>ROBERT C. CORNWELL</td>
<td>Professor of Business Education</td>
<td>Wartburg College; M.A., Colorado State College; Ed.D., Arizona State University</td>
<td>(1969)</td>
</tr>
<tr>
<td>JERRY P. DODSON</td>
<td>Assistant Professor, Counselor</td>
<td>Ball State University; M.S., Ph.D., Purdue.</td>
<td>(1970)</td>
</tr>
<tr>
<td>DENNIS DONOGHUE</td>
<td>Associate Professor of Political Science</td>
<td>B.S., Central Michigan University; Ph.D., Miami University</td>
<td>(1973)</td>
</tr>
<tr>
<td>PATRICIA M. DORMAN</td>
<td>Professor of Sociology; Chairman</td>
<td>Department of Societal and Urban Studies</td>
<td>(1967)</td>
</tr>
<tr>
<td>ROBERT DOWNE</td>
<td>Assistant Professor of Nursing</td>
<td>B.S., Idaho State College; Ph.D., University of Utah</td>
<td>(1972)</td>
</tr>
<tr>
<td>VICTOR H. DUKE</td>
<td>Professor of Pharmacology; Dean</td>
<td>School of Health Science</td>
<td>(1972)</td>
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<tr>
<td>H.A.B., Xavier University; Ohio State University</td>
<td></td>
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<td>(1969-71, 1973)</td>
</tr>
<tr>
<td>KEITH A. EKBLAW</td>
<td>Associate Professor of Mathematics</td>
<td>Augustana College; M.A., University of Kansas; Ph.D., University of Kentucky</td>
<td>(1970)</td>
</tr>
<tr>
<td>WILBER D. ELLIOTT</td>
<td>Associate Professor of Music: Chairman</td>
<td>Department of Music</td>
<td>(1969)</td>
</tr>
<tr>
<td>ROBERT W. ELLIS</td>
<td>Assistant Professor of Chemistry</td>
<td>College of Idaho; M.S., Ph.D., Oregon State University</td>
<td>(1971)</td>
</tr>
<tr>
<td>BOISE STATE UNIVERSITY Faculty</td>
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<tr>
<td>DEWEY H. COFIELD</td>
<td>Assistant Professor of Electronics</td>
<td>University of Idaho; Idaho State College.</td>
<td>(1961)</td>
</tr>
<tr>
<td>JUDITH A. COLTRIN</td>
<td>Instructor; Supervisor of Directed Practice, Medical Record Technician</td>
<td>College of St. Mary</td>
<td>(1972)</td>
</tr>
<tr>
<td>CECILIA (TRUDY) Y. COMBA</td>
<td>Assistant Professor of Teacher Education</td>
<td>E., Duquesne University; M.Ed., University of Arizona; Ph.D., University of Oregon</td>
<td>(1970)</td>
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<tr>
<td>GENE COOPER</td>
<td>Professor of Physical Education</td>
<td>Idaho State University; M.S., Utah State University</td>
<td>(1969)</td>
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<tr>
<td>DELBERT F. CORBETT</td>
<td>Assistant Professor of Theatre Arts</td>
<td>University of Portland; M.A., University of Washington; Th.M., Iliff School of Theology</td>
<td>(1969)</td>
</tr>
<tr>
<td>A. ROBERT CORBIN</td>
<td>Assistant Professor of Sociology</td>
<td>Blackburn College; M.A., University of Washington; Th.M., Iliff School of Theology</td>
<td>(1967)</td>
</tr>
<tr>
<td>ROBERT E. CRANE</td>
<td>Head Catalog Librarian, Assistant Professor</td>
<td>California State University at San Francisco; M.A., California State University at San Jose</td>
<td>(1969)</td>
</tr>
<tr>
<td>MARTHA CRUPPACHER</td>
<td>Assistant Professor of Office Administration</td>
<td>Boise State College; M.S., Oregon State University</td>
<td>(1969)</td>
</tr>
<tr>
<td>BILL DARRELL CURTIS</td>
<td>Instructor in Auto Body</td>
<td>Diploma, Boise Junior College.</td>
<td>(1967)</td>
</tr>
<tr>
<td>ELIZABETH M. CURTIS</td>
<td>Instructor in Operating Room Technology</td>
<td>Diploma, Kansas City General Hospital, School of Nursing</td>
<td>(1972)</td>
</tr>
<tr>
<td>E. JOHN DAHLBERG Jr.</td>
<td>Associate Professor of Teacher Education</td>
<td>Pacific Lutheran University; M.A., Lewis &amp; Clark College, Portland; Ed.D., University of Oregon</td>
<td>(1970)</td>
</tr>
<tr>
<td>NORMAN F. DAHM</td>
<td>Professor of Engineering</td>
<td>B.S., M.Ed., University of Colorado; Agricultural and Mechanical College of Texas; University of Washington; Bucknell University</td>
<td>(1953)</td>
</tr>
<tr>
<td>JACK L. DALTON</td>
<td>Professor of Chemistry; Chairman, Department of Chemistry</td>
<td>Nebraska State Teachers College; M.S., Kansas State University of Agriculture and Applied Science; Kansas State College, Oregon State University</td>
<td>(1958)</td>
</tr>
</tbody>
</table>
ROBERT EDWARD ERICSON, Associate Professor of Theatre Arts; Chairman, Department of Theatre Arts (1970)
B.S., Pacific University; M.A., Indiana University; Ph.D., University of Oregon.

EVELYN EVERTS, Assistant Professor, Reference Librarian (1957)
B.A., Librarianship; University of Washington; B.S., (Zoology), University of Washington; Washington State University; Drexel Institute of Technology.

STUART D. EVETT, Assistant Professor of English (1972)
B.A., University of the South (Sewanee); M.A., Vanderbilt University.

MARJORIE E. FAIRCHILD, Associate Professor of Library Science (1966)
A.B., University of California; M.A. in Librarianship, University of Southern California; M.A., Library Science, University of California at Berkeley.

DAVID JOHN FERGUSON, Assistant Professor of Mathematics (1970)
B.S., Ph.D., University of Idaho.

DENNIS B. FITZPATRICK, Assistant Professor of Finance (1972)
B.S., University of Colorado; M.B.A., University of Santa Clara; D.B.A., University of Colorado.

NANCY L. FLEMMING, Assistant Professor of Nursing (1963)
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EMERITI

THELMA F. ALLISON, Associate Professor of Home Economics
(1946-73)

JOHN A. BECKWITH, Assistant Professor of English
(1965-1972)

WILLIAM S. BRONSON, Professor of Psychology
(1954-1970)

ELsie BUCK, Professor of Mathematics
(1932-34, 1937-68)

VINA BUSHBY, Associate Professor of Secretarial Science
(1946-65)

EUGENE B. CHAFFEE, President
(1932-1967)

ROBERT deNEUFVILLE, Professor of Foreign Language
(1949-1973)

CLISBY T. EDLEFSEN, Professor of Business
(1939-69)

J. CALVIN EMERSON, Associate Professor of Chemistry
(1933-1940, 1960-1973)

LUCILLE T. FORTER, Instructor in Voice
(1932-1962)

JOHN F. HAGER, Associate Professor of Machine Shop
(1954-1969)

ADA Y. HATCH, Professor of English
(1932-1967)

KENNETH L. HILL, Associate Professor of Education
(1962-1970)

ADELAIDE ANDERSON MARSHALL, Assistant Professor of Music
(1939-1948, 1966-1972)

KATHRYN ECKHARDT MITCHELL, Instructor in Violin
(1932-38, 1939-72)

CAMILLE B. POWER, Associate Professor of Spanish & French
(1932-35, 1936-51, 1954-67)

HAZEL MARY ROE, Associate Professor of Office Administration
(1942-44, 1947-69)

HAROLD SNELL, Assistant Professor of Auto Mechanics
(1958-1969)

LYLE F. TRAPP, Assistant Professor of Auto Body
(1953-1967)

G. W. UNDERKOFLER, Associate Professor of Accounting
(1952-1974)

HELEN WESTFALL, Associate Professor of Physical Education
(1962-1970)

JOHN WOODWORTH, Associate Professor of English
(1958-1972)
SCHOLARSHIPS FOR BOISE STATE STUDENTS

Rose Richer Adkison Memorial — outstanding Art student
Vince Aguirre Memorial Scholarship Fund — member of college Ski Team
Albertson’s, Inc. — students of Accounting
Alpha Kappa Psi, Theta Omicron Chapter (Robert Dwight Jacobson Jacobson Memorial) — student of Business
American Association of University Women (Boise Branch) — graduate student (female)
American Business Women’s Association (Boise Centennial Chapter) — Sophomore in Business (female)
American Legion Gem Boys State and Boise State College — freshmen (male)
C.C. & Henrietta W. Anderson Foundation — students from eight southwest Idaho Counties
Bank of Idaho — BSC National Merit Scholars and other outstanding students
Boise Ad Club — Sym’s York Company — student of Marketing
Boise Business and Professional Women’s Club — Business Education (female)
Boise Civitan Club/Georgia Shanks Memorial — Clinical Psychology & Special Education
Boise Choristers Club — student of organ or voice
BSU Alumni Scholarships, Eugene B. Chaffee Annual Award — continuing students
BSU Housing System — dormitory residents
Calvin C. & Fannie Cobb Scholarships (The Margaret Cobb Allshie Trust) — Idaho resident students
C.P.A. Women’s Association of Southwestern Idaho — Accounting Senior (female)
Laura Moore Cunningham Foundation (Idaho First National Bank Trust Department) — Idaho resident students
Data Processing Management Association (Central Idaho Chapter) — students of Data Processing
Daughters of American Revolution (Pioneer Chapter) — History major (female)
Dunkle Swell — student of piano
DeNeufville Foreign Language Scholarship — sophomore or junior
John L. Driscoll Jr. Scholarship Fund — for academically outstanding freshmen
Faculty Wives and Women Club/BSU — scholarship for son or daughter of faculty
First Security Foundation — Business students (sophomore or junior)
Food Service Technology — enrolled students
Foundation for Counselor Education — students of Psychology
Future Secretaries Association — BSU student of Business
A. J. Gaige & Associates — outstanding freshmen students of Engineering
Holsinger Music Inc. — student of Music
Potter Tylee Howard Memorial Scholarship — graduate of a Boise High School
Idaho Bank and Trust Company — students of Business
Idaho Lung Association — student of Respiratory Therapy
Idaho Real Estate Council — students of Business Administration and Real Estate
Idaho Society of Professional Engineers Ladies Auxiliary — student of Engineering
Intermountain Gas Company — academic talent
Robert F. Jones Memorial Scholarship — student of Education
KTVB, Inc. — students of Marketing, Public Relations, and Communications
LaRue DeMolay Scholarship — Engineering or Vocational Electronics
Lucille Lippincott Memorial Voice Scholarship — student of voice
Helen Moore Memorial Scholarship — student of English
National Secretaries Association (International Boise Chapter) — student of Office Administration or Secretarial Science
Pi Sigma EPSILON Marketing Scholarship — Pi Sigma EPSILON member
Olyte F, Potter Memorial
Mr. and Mrs. John A. Schoonover — BSC Marching Band Awards
J. R. Simplot Company — sons and daughters of employees
Rolland H. Smith Memorial Scholarships — General Business
Stone Piano & Organ — students of piano
Tau Alpha Pi Vocational Awards — enrolled students
Jacob Ullman Memorial Scholarship — student of Business
J. Weil and Company — Business Administration
Welcome Wagon Newcomers Club of Boise — junior (female) Boise Resident
Whittenberger Foundation Graduating Fellowships — students in masters programs in Business Administration & Education
Floribel Bergh Williams Memorial Trust — student in Education
Women’s Idaho Motor Transport Auxiliary
Glossary

The following terms are explained in the special meaning defined by this institution. References are to more detailed descriptions or further explanations of the use of the term within the catalog.

ACADEMIC DISQUALIFICATION
Refusal of permission for a student to register if, after a reasonable period of academic probation, a student's academic work indicates that he cannot continue in the college with profit to himself and credit to the institution. See Academic Regulations, Part II.

ACADEMIC PROBATION
The student whose academic work is not satisfactory may be placed on probation. Satisfactory academic performance means the orderly progression toward graduation maintaining a cumulative grade point average of 2.0 or better. See Academic Regulations, Part II.

ACCREDITED
Certified as fulfilling standards or requirements. Accreditation means that the constituent parts of a college or university are satisfactory and that its courses are recognized as being equal to or compatible with those of other collegiate institutions.

ADMISSION
Official recognition of a student's authorization to register for courses offered by the college. A Certificate of Admission is issued to students who have fully matriculated see Admissions Requirement to the College, Section II.

ADVISOR
Each student is assigned a faculty advisor by the department offering the student's major. The advisor will study and sign proposed course schedules, will receive various student records, and issue mid-semester grades to the students.

ALUMNI
Individuals who have graduated from the institution upon successful completion of a specific curricula for which a degree, diploma, or certificate of completion is awarded and any former student who was regularly enrolled for at least two semesters and who was in good standing upon termination of enrollment.

APPEALS
A request for reconsideration of a ruling or decision in either an academic matter (see Academic Regulations, Part II) or in a matter related to student conduct (see Student Conduct, Part II).

AUDIT
Enrollment in a specific class for informational instruction only and for which the student receives no credit. Attendance, completion of assignments, and examinations are optional.

BACCALAUREATE
The bachelor degree. Boise State College offers five baccalaureates: Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, Bachelor of Music, and Bachelor of Fine Arts.

CCB
An abbreviation referring to Concentrated Course Blocks used in connection with Secondary Student Teaching. Students are scheduled to practice teaching one of four blocks of nine weeks each all day long. During the opposite block of a semester, special courses are made available depending on the student's major. See Part V, School of Education.

CORE REQUIREMENTS
Refers to the General College Requirements that all students seeking the Baccalaureate must complete for graduation.

CREDENTIALS
Designated items required in connection with matriculation. Such items may include proof of graduation from high school, official transcripts, application form, entrance test scores, etc. See Admissions Requirements, Part II.

CREDITS
The credit allowed for course work is ordinarily based on one semester credit for one hour of class attendance a week for a period of one semester. Courses that require deviation from this general rule will indicate in the course description the number of hours per week required (laboratories, studio hours, etc.). Credits in Vocational-Technical programs are not normally transferable toward an academic degree.

CREDIT STATUS CODE (CSC)
This refers to the status under which the student is taking a course as follows:
1. Repeat (Improve D Grade)
2. Retake (Improve F Grade)
3. Audit
4. First Time Credit
5. Non-Credit (Gradeable)
6. Non-Credit (Non-Gradeable)
7. Credit-No Credit
8. Pass-Fail
9. Retake of F in CSC B.

CURRICULUM
(Plural Curricula or Curriculums). The courses that are required leading to a specific degree or academic program objective. It may also refer to the complete list of courses offered by the institution.

GRADE POINT AVERAGE (GPA)
Grade points are a numerical value assignment for grades awarded as follows: For each credit of A, 4 grade points; for B, 3 grade points; for C, 2 grade points; for D, 1 grade point; for F, no points. The average is computed by dividing the total grade points received by the total credits attempted in a semester. A cumulative grade point average is the total grade points on a student's record divided by the total hours he has attempted.

GRADUATE CLASSIFICATION
Students admitted to Boise State College Graduate School may have one of three graduate classifications: Regular, provisional, or nonclassified. Refer to Part VII Graduate School. Note that "Special Graduate" refers to a student with an earned baccalaureate not admitted to the BSC Graduate School.
MATRICULATION

Matriculation is the processing of all required items necessary for regular enrollment as a full-time student at Boise State College. Matriculation is required of all students carrying eight or more hours, including repeats, retakes, audits, non-credit equivalents. Students carrying seven or fewer hours are not required to be fully matriculated. See Admission Requirements to the College, Part II.

REGISTRATION

The process of registration results in completed enrollment in a class or course of instruction. For each semester or term offered at the college, a separate Registration Information Bulletin is published with detailed instructions on courses being offered and the procedures followed.

REPEAT

A class may be repeated by a student who has received a grade of "D" in order to raise his grade if in the meantime he has not taken an advanced course for which the first course is a prerequisite. Degree credit for courses so repeated will be given only once but the grade assigned at each enrollment shall be permanently recorded. See Academic Regulations, Part II.

RESIDENCE

The legal residence of a student who is under the legal voting age shall be considered the same as that of his parents (or surviving parent or guardian). Adults, to be classified as residents of Idaho, must have been domiciled within the State of Idaho for not less than six consecutive months exclusive of full time enrollment, i.e., eight or more semester hours per semester. See Residence, Part I, General Information.

RETAKE

A retake is a student’s re-enrollment in a class for which he has previously failed and not received credit.

SUMMARY OF HIGH SCHOOL REQUIREMENTS

For Basic Lower Division College Curricula

Minimum requirements:

<table>
<thead>
<tr>
<th>High Schools (Units)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>Elementary Algebra</td>
<td>1</td>
</tr>
<tr>
<td>Plane Geometry</td>
<td>1</td>
</tr>
<tr>
<td>Social Studies</td>
<td>2</td>
</tr>
<tr>
<td>Laboratory Science</td>
<td>1</td>
</tr>
<tr>
<td>Other Academic</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>5</td>
</tr>
<tr>
<td>Total Units</td>
<td>15</td>
</tr>
</tbody>
</table>

*Not required but recommended.

General Science is acceptable as an academic unit but not as a natural science.

STUDENT STATUS

Students are classified as Freshmen (from 0 semester credits through 25), Sophomores (from 26 semester credits through 57), Juniors (from 58 semester credits through 89), and Seniors (90 semester credits and over but have not received bachelor’s degree). Other classifications include Special Graduate (have received a bachelor’s degree) and Graduate Student (further classified in regular, provisional, or unclassified status). Students enrolled for eight semester hours or more (including repeats, retakes, audits, non-credit equivalents) will be considered full time. A student who is carrying less than eight credits but has met entrance requirements for regular students will be classified as a part-time student. See Classification of Students, Part II, and Graduate Classification, Part VI.

TRANSCRIPT

A transcript is an official copy of the student’s permanent record of academic achievement maintained by the Registrar.

TUITION

Tuition is a charge for instruction which is only assessed to nonresident students at Boise State College. Note that the institutional fee charged all students is not technically termed tuition. See Tuition and Fee Schedule, Part I, General Information.
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