PART VIII

vocational technical school

Director: Gilbert McDonald Miller
 Assistant Director: Glenn Linder

FACULTY

OBJECTIVES

ADMISSION REQUIREMENTS

VOCATIONAL TWO-YEAR PROGRAMS

TECHNICAL TWO-YEAR PROGRAMS

DISTRIBUTIVE EDUCATION TWO-YEAR PROGRAMS

ONE-YEAR VOCATIONAL-TECHNICAL PROGRAMS
AREA VOCATIONAL TECHNICAL SCHOOL

Director: Gilbert McDonald Miller
Assistant Director: Glenn Linder

Vocational Counselor:
Callies, Quinowski

Adult Basic Education:
Showmaker

Auto Body:
Curtis

Auto Mechanics:
Flesham, Fuerder, Haydon

Dental Assisting:
MacInnis

Drafting Technology:
Leigh, Weston, Watts

Electronics:
Cofield, Sieber, LaRue

Horticulture:
Griffith, Oyler

Machine Shop:
Baggerly, Qualman

Mid-Management:
Knowlton, Jones, Scudder

Office Machine Repair:
Harris, Jones

Practical Nursing:
Chaffee, Flaherty, Hendry, Oliver, Behling

Related Instruction:
Krigbaum, Tennyson, Tompkins

Welding:
Buchanan, Ogden

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 or Youth Opportunity Center and request a General Aptitude Test Battery to be taken for the Vocational-Technical Division of Boise State College. Request that the office send the results directly to the Vocational-Technical Division, Boise State College, Boise, Idaho 83707.
(d) Personal Interview: A personal interview is required.
(e) 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.
VOCATIONAL TECHNICAL SCHOOL
Horticulture

VOCATIONAL
Two Year Programs

HO HORTICULTURE SERVICE
TECHNICIAN—CURRICULUM
(Landscape Construction and Maintenance)

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, but 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>
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<tbody>
<tr>
<td>HO 101-102 Horticulture Laboratory</td>
<td>5 5</td>
</tr>
<tr>
<td>HO 111-112 Communication Skills</td>
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<tr>
<td>HO 131-132 Related Basic Mathematics</td>
<td>3 3</td>
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<td>HO 141-142 Related Basic Science</td>
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<td>HO 151-152 Horticulture Theory</td>
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Total Credits: 17

SOPHOMORE YEAR:

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<th>SUBJECT</th>
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<tr>
<td>HO 201-202 Horticulture Laboratory</td>
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<td>HO 241-242 Related Science</td>
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<td>HO 251-252 Horticulture Theory</td>
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<tr>
<td>HO 262 Industrial Psychology</td>
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<td>HO 271 Individual Project</td>
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<td>MM 101 Retail Selling</td>
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</table>

Total Credits: 17

HO HORTICULTURE SERVICE TECHNICIAN—Courses

101 Horticulture Laboratory — 5 credits
Applying the related and theory content to the solution of practical problems in horticulture. Specific areas of application to include: exploring occupational opportunities; identification of plants by the use of descriptive terms; identification of biennial and perennial flowering plants; use of scientific names; classifications and botanical structures of plants; climatic and other factors limiting growth; soils; and soil amendments. Fifteen clock hours per week.

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
This course is designed to develop the student’s communication skills in observing, listening and reading, with emphasis on study methods, memory and concentration work, vocabulary improvements, and a review of basic English and spelling. Second semester—to develop communication skill in speaking and writing with emphasis on conversational speaking, clarity and brevity in letter, report, and technical writing. Three clock hours per week.

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) soil and
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, pesti-
cides. 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 compre-
rehension, 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 construc-
tion.

242 Related Science — 2 credits
Developing comprehension of the scientific principles
utilized in: (1) power equipment; (2) lawn and shrub maint-
ence; 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 manage-
ment procedure; (3) prevention and treatment of plant
wounds. Seven clock hours per week.

262 Industrial Psychology — 2 credits
This course is designed to develop those human rela-
tionship skills the student will need at work. Relationship
situations of office and shop are simulated, enacted, dis-
cussed, and solved practically through group interaction.
Understanding of self and others is sought. Career planning
and techniques necessary to obtain employment are
stressed.

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.

FRESHMAN YEAR:

SUBJECT | COURSE NO. AND TITLE | SEM. | SEM.
--- | --- | --- | ---
MS 101, 102 Machine Shop Laboratory | 8 | 8
MS 111, 112 Communication Skills | 3 | 3
MS 131, 132 Related Basic Mathematics | 2 | 2
MS 151, 152 Related Theory | 3 | 3

SOPHOMORE YEAR:

MS 201, 202 Advanced Machine Shop Laboratory | 8 | 8
MS 231, 232 Related Advanced Mathematics | 3 | 3
MS 241 Machine Shop Science | 2 | —
MS 251, 252 Related Advanced Theory | 3 | 3
MS 262 Industrial Psychology | 2 | —

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 semes-
ter.

111, 112 Communication Skills — 3 credits
This course is designed to develop five forms of commu-
nication skills: observing, listening, reading, writing and
speaking. Memory and study improvement, word analysis,
spelling and technical vocabulary are stressed during the
first semester. Grammatical and logical forms, public and
conversational speaking, business, report and technical
writing are stressed during the second semester. Three
clock hours per week.

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 sketch-
ing is also studied. Four lecture hours per week both semes-
ters.
VOCATIONAL TECHNICAL SCHOOL
Office Machine Repair

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.

FRESHMAN YEAR:

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<tr>
<th>SUBJECT</th>
<th>COURSE NO. AND TITLE</th>
<th>CREDITS</th>
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<tr>
<td>Related Advanced Mathematics</td>
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<td>Related Advanced Theory</td>
<td>OM-131-132 Related Electronics Mathematics</td>
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<td>Related Electronics</td>
<td>OM-143-144 Related Electronics</td>
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<td>Related Basic Theory</td>
<td>OM-151-152 Related Basic Theory</td>
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<th>FALL</th>
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<td>Advanced Machine Shop Laboratory</td>
<td>OM-201-202 Adv. Office Machine Repair Lab</td>
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<td>Related Electronics Science</td>
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<td>Advanced Digital Electronics</td>
<td>OM-243-244 Adv. Digital Electronics</td>
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<td>Related Advanced Theory</td>
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<td>Industrial Psychology</td>
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<td>Basic Machine Operation</td>
<td>OM-271-272 Basic Machine Operation</td>
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</tbody>
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152
Slide rule, algebra, geometry, trigonometry. Second semester—continuation, logarithms. Three clock hours per week.

143-144 Related Electronics — 2-2 credits

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 — 3-2 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. Five 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.

251-252 Related Advanced Theory — 3-3 credits
First semester—Study of mechanical theory of each machine being taught. Regulation factory manuals for adding machines are used. Special emphasis is placed on the mechanical principles which cause the adding machine to add, subtract, repeat, reset, non-add and non-print, carry-over and credit balance. Second semester—Regulation factory manuals for calculating machines are used. The numerous mechanical methods of machine calculations are studied during this semester with special emphasis being placed on positive and negative multiplications, positive and negative division, automatic multiplication, accumulation, squaring and short-cut methods. Five clock hours per week each semester. Prerequisite: Related Basic Theory OM-152.

262 Industrial Psychology — 2 credits
This course is designed to develop those human relationship skills the student will need at work. Relationship situations of office and shop are simulated, enacted, discussed, and solved practically through group interaction. Understanding of self and others is sought. Career planning and techniques necessary to obtain employment are stressed.

271-272 Basic Machine Operations — 1-1 credits
An introduction is given to the numerous mechanical and mathematical methods used in machine calculations covering basic applied principles. One clock hour per week.

W 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.

FRESHMAN YEAR:

<table>
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<tr>
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<th>CREDITS</th>
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<td>W 101-102 Welding Lab</td>
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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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<td>W 262 Industrial Psychology</td>
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<td>W 201-202 Welding Lab</td>
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<td>W 112 Communication Skills</td>
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<td>W 231-232 Related Advanced Math</td>
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<td>W 241-242 Welding Science</td>
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VOCATIONAL TECHNICAL SCHOOL
Pre-Technical

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
This course is designed to develop the student’s communication skill in observing, listening and reading with emphasis on study methods, memory and concentration work, vocabulary improvement, and a review of basic English and spelling. Second semester—to develop communication skill in speaking and writing with emphasis on conversational speaking, clarity and brevity in letter, report, and technical writing. Three clock hours per week each semester.

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 Industrial Psychology — 2 credits
Methods of understanding self and others. Solution of interpersonal problems in business and industry. Techniques necessary to obtain employment. Responsibilities of the American worker. Two clock hours per week.

TECHNICAL
Two Year Programs

PT PRE-TECHNICAL — SEQUENCE

This is a one-semester pre-technical sequence for those students who lack the recommended prerequisite courses deemed necessary to compete, complete and succeed in a regular vocational-technical curriculum, and is offered as a refresher course for those students who have had an excessive period of time elapsed since their last formal schooling.

<table>
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<tr>
<th>Course</th>
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<tr>
<td>PT-010 Blue Print Reading and Basic</td>
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<td>14</td>
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<tr>
<td>PT-020 Intro. to Tech. Communications</td>
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<td>(5 Lec: 9 Lab)</td>
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<tr>
<td>PT-030 Intro. to Tech. Mathematics</td>
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<td>PT-040 Science Survey</td>
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<td>PT-050 Technical Orientation</td>
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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 admission in the spring as well as the fall semester.

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 credits equiv.
Survey and review of mathematical 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.
VOCATIONAL TECHNICAL SCHOOL
Drafting Technology

122 Surveying and Measurements — 3 credits
Spring semester—Beginning course designed for students with little or no training in surveying. It combines lectures, laboratory and field work in theory methods, equipment and problems involved in surveying and measurements and their application. Four clock hours per week. Prerequisite: DT-131.

131-132 Mathematics — 3-3 credits
Fall semester—Fundamentals of basic mathematics, algebraic computations, practical plans and solid geometry and their application to problems likely to be encountered by the draftsman. Spring semester—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.

141-142 Drafting and Design Applied Physics—3-3 credits
Fall semester—A general survey of physics with emphasis placed on principles of mechanics applied to solid particles and to fluids. Spring semester—Course in the basic principles of heat, sound, light, electricity, and magnetism, correlated with technical mathematics DD-132. Four clock hours per week. Prerequisite: DT-141.

151 Design Orientation — 2 credits
Fall semester—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.

201-202 Advanced Drafting Laboratory and Lecture — 4-4 credits
Advanced techniques in drafting, problems on design level in the various fields served by Drafting and Design Technicians. Fifteen clock hours per week. Five hours lecture and ten hours laboratory. Prerequisite: Drafting Lab and Lecture, DT-102, or consent of the instructor.

221 Descriptive Geometry and Development — 2 credits
Theory and practice of coordinate projection applied to the solution of properties of points, lines, planes and solids, with practical engineering application. Two 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.

231-232 Advanced Mathematics — 3-3 credits
Advanced algebra, trigonometry and analytical geometry and introduction to calculus with emphasis on their application in design situations. Four clock hours per week each semester. Prerequisite: DT-132 Mathematics or consent of instructor.

241-242 Science — 3-3 credits
Fall semester—An introduction to Dynamics which deals with the motion of rigid bodies and with the forces that produce or change their motion. Spring semester—Includes strength and properties of material and basic chemistry. Four clock hours per week each semester. Prerequisite: DT-142 Science or consent of the instructor.

251 Manufacturing Processes — 2 credits
An introductory course to provide training and practice in using precision measuring instruments, tools, and accessories used in modern quality production and inspection. Instruction in the selection and use of machine tools, related equipment, and production methods. Three clock hours per week.
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 is open to both men and women students.

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>COURSE NO. AND TITLE</th>
<th>CREDITS</th>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>ET-101-102</td>
<td>Electronics Lab. and Lecture</td>
<td>5</td>
<td>5</td>
<td>5</td>
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<tr>
<td>ET-111-112</td>
<td>Communication Skills</td>
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<td>3</td>
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<tr>
<td>ET-131-132</td>
<td>Basic Electronics Math</td>
<td>4</td>
<td>4</td>
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<tr>
<td>ET-141-142</td>
<td>Electronics Science</td>
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<td>1</td>
<td>1</td>
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<tr>
<td>ET-171-172</td>
<td>Circuit Analysis</td>
<td>3</td>
<td>3</td>
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<td><strong>TOTAL</strong></td>
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SOPHOMORE YEAR:

<table>
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<th>SUBJECT</th>
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<th>FALL</th>
<th>SPRING</th>
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<td>ET-201-202</td>
<td>Advanced Electronics Lab.</td>
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<td>ET-231-232</td>
<td>Advanced Electronics Math</td>
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<td>ET-241-242</td>
<td>Advanced Electronics Science</td>
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<td>4</td>
<td>4</td>
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<tr>
<td>ET-251-252</td>
<td>Advanced Electronics Theory</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>ET-262</td>
<td>Industrial Psychology</td>
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<td></td>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>16</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

ET ELECTRONICS — Courses

101 Electronics Laboratory and Lecture — 5 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. Five hours lecture and ten hours laboratory per week.

262 Industrial Psychology — 2 credits
This course is designed to develop those human relationship skills the student will need at work. Relationship situations of office and shop are simulated, enacted, discussed, and solved practically through group interaction. Understanding of self and others is sought. Career planning and techniques necessary to obtain employment are stressed.

102 Electronics Laboratory and Lecture — 5 credits
A continuation of ET-101. Thevenin's and Norton’s equivalents, basic radio receiver and transmitter analysis, and basic transistors, printed circuit design and processing. Prerequisite: Electronics Laboratory and Lecture ET-101. Five hours of lecture and ten hours laboratory.

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.

111-112 Communication Skills — 3-3 credits
This course is designed to develop five forms of communication skill: observing, listening, reading, writing and speaking. Memory and study improvement, word analysis, spelling and technical vocabulary are stressed during the first semester. Grammatical and logical forms, public and conversational speaking, business, report and technical writing are stressed during the second semester. Three clock hours per week.

262 Industrial Psychology — 2 credits
Methods of understanding self and others. Solution of interpersonal problems in business and industry. Techniques necessary to obtain employment. Responsibilities of the American worker. Two clock hours per week.

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—A continuation of first semester studies. Prerequisite: Electronics Laboratory and Lecture ET-102. Fifteen clock hours per week.

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, pickup devices, deflection circuits, synchronization circuits A.M. and F.M. and T.V. equipment. Spring semester—Covers the theory and design of computers, thyristors, transistors, servo and synchro principles. Three clock hours per week Fall and five clock hours per week Spring.

262 Industrial Psychology — 2 credits
This course is designed to develop those human relationship skills the student will need at work. Relationship situations of office and shop are simulated, enacted, discussed, and solved practically through group interaction. Understanding of self and others is sought. Career planning and techniques necessary to obtain employment are stressed.
## Distributive Education Two-Year Programs

### MM FASHION MERCHANDISING—MID-MANAGEMENT CURRICULUM

<table>
<thead>
<tr>
<th>FRESHMAN YEAR:</th>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Retail Selling</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Clothing</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Business Mathematics/Machines</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>Clothing Selection</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>Textiles</td>
<td>-</td>
<td>3</td>
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<tr>
<td>Elements of Management</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Advertising</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Mid-Management Work Experience</td>
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<td>2</td>
</tr>
<tr>
<td>Physical Education Activities</td>
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<td>1</td>
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<tr>
<td><strong>Total</strong></td>
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### SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Fashion Analysis and Design</td>
<td>2</td>
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<tr>
<td>Professional Speech Communication</td>
<td>2</td>
</tr>
<tr>
<td>Retail Buying</td>
<td>3</td>
</tr>
<tr>
<td>Report Writing</td>
<td>3</td>
</tr>
<tr>
<td>Mid-Management Work Experience</td>
<td>2</td>
</tr>
<tr>
<td>Principles of Retailing</td>
<td>-</td>
</tr>
<tr>
<td>Principles of Accounting</td>
<td>-</td>
</tr>
<tr>
<td>Business Psychology</td>
<td>-</td>
</tr>
<tr>
<td>Professional Speech Communication</td>
<td>-</td>
</tr>
<tr>
<td>Supervision of Personnel</td>
<td>-</td>
</tr>
<tr>
<td>Retail Buying</td>
<td>-</td>
</tr>
<tr>
<td>Credit and Collections</td>
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</tr>
<tr>
<td>Mid-Management Work Experience</td>
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<td>Elective</td>
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### MM MARKETING—MID-MANAGEMENT CURRICULUM

<table>
<thead>
<tr>
<th>FRESHMAN YEAR:</th>
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<tbody>
<tr>
<td>English Composition</td>
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<td>3</td>
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<tr>
<td>Introduction to Business</td>
<td>3</td>
<td>-</td>
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<tr>
<td>Business Mathematics/Machines</td>
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<td>Retail Selling</td>
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<tr>
<td>Principles of Advertising</td>
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<tr>
<td>Merchandise Analysis</td>
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<td>Mid-Management Work Experience</td>
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<tr>
<td>Elements of Management</td>
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<td>-</td>
</tr>
<tr>
<td>Professional Speech Communication</td>
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<tr>
<td>Physical Education Activities</td>
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<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
<td><strong>16</strong></td>
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### SOPHOMORE YEAR:

<table>
<thead>
<tr>
<th>1ST SEM.</th>
<th>2ND SEM.</th>
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<tbody>
<tr>
<td>Introduction to Marketing</td>
<td>3</td>
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<td>Principles of Retailing</td>
<td>-</td>
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<tr>
<td>Principles of Economics</td>
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</tr>
<tr>
<td>Principles of Accounting</td>
<td>-</td>
</tr>
<tr>
<td>Business Psychology</td>
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</tr>
<tr>
<td>Report Writing</td>
<td>3</td>
</tr>
<tr>
<td>Supervision of Personnel</td>
<td>3</td>
</tr>
<tr>
<td>Credit and Collections</td>
<td>-</td>
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<tr>
<td>Elective</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

### MM MARKETING, MID-MANAGEMENT—Courses

Courses offerings are described on page 107.

## 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.

### SUBJECT

<table>
<thead>
<tr>
<th>COURSE NO. AND TITLE</th>
<th>FALL</th>
<th>SPRING</th>
<th>SUMMER</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB-121-122-123 Auto Body Lab</td>
<td>10</td>
<td>10</td>
<td>7</td>
</tr>
<tr>
<td>AB-141-142-143 Auto Body Theory</td>
<td>7</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>AB-262 Industrial Psychology</td>
<td>-</td>
<td>2</td>
<td>-</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
<td><strong>17</strong></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

157
VOCATIONAL TECHNICAL SCHOOL
Auto Mechanics, Dental Assistant

AB AUTO BODY — Courses

121-122-123 Auto Body Laboratory — 10-10-7 credits
   The purpose of these courses is to develop and give practice in the skills needed by an auto body repairman. Subjects covered include the following: orientation, safety rules, shop house-keeping, oxy-acetylene welding, painting fundamentals, metal working and shrinking, plastic and lead body filling, advanced painting processes, frame alignment, glass and panel replacement. 25 hours laboratory per week.

141-142-143 Auto Body Theory — 7-5-5 credits
   This course correlates with the auto body laboratory course. The theory of auto body repair and painting is covered. Mathematics and science necessary for and related to the trade are taught. 10 hours lecture summer and fall. 8 hours lecture spring per week.

262 Industrial Psychology — 2 credits
   This course is designed to develop those human relationship skills the student will need at work. Relationship situations of office and shop are simulated. enacted, discussed, and solved practically through group interaction. Understanding of self and others is sought. Career planning and techniques necessary to obtain employment are stressed.

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.

SUBJECT CREDITS

<table>
<thead>
<tr>
<th>COURSE NO. AND TITLE</th>
<th>FALL</th>
<th>SPRING</th>
<th>SUMMER</th>
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</thead>
<tbody>
<tr>
<td>AM-101-102-103 Auto</td>
<td>10</td>
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<tr>
<td>Mobile Lab</td>
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<tr>
<td>AM-151-151-153 Auto</td>
<td>5</td>
<td>7</td>
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<tr>
<td>Theory</td>
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<tr>
<td>AM-262 Industrial</td>
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<td>17</td>
<td>12</td>
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<tr>
<td>Psychology</td>
<td></td>
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</tbody>
</table>

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. The fuel system and carburetion are covered as well as the ignition system. This phase of the training is on live work which gives the student the advantage of learning under actual working conditions they will encounter in the field. 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 systems. This includes step by step procedure in automotive tune-up using tune-up test equipment. Checking and repairing steering suspension and wheel alignment is also included. 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 powertrain 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 — 7 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.

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 Fall and Summer. 8 hours per week Spring.

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 Fall. 8 hours lecture Spring per week.

262 Industrial Psychology — 2 credits
   This course is designed to develop those human relationship skills the student will need at work. Relationship situations of office and shop are simulated, enacted, discussed, and solved practically through group interaction. Understanding of self and others is sought. Career planning and techniques necessary to obtain employment are stressed.

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 grades on the G.A.T.B., personal interview and aptitude testing. The dental assistance courses are taught by dentists and a dental assistant instructor.

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

SUBJECT CREDITS

<table>
<thead>
<tr>
<th>COURSE NO. AND TITLE</th>
<th>FALL</th>
<th>SPRING</th>
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<td>DA-101-102 Dental</td>
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<td>Laboratory</td>
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<tr>
<td>DA-106 Dental</td>
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<tr>
<td>Assisting Clinical</td>
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<td>DA-108 Dental</td>
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<td>Office Management</td>
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<td>DA-109 Public</td>
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<td>Health and Dental</td>
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<td>Hygiene</td>
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<tr>
<td>DA-111-112 Comm</td>
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<tr>
<td>unication Skills</td>
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<tr>
<td>DA-151-152 Dental</td>
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<tr>
<td>Theory</td>
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<tr>
<td>DA-262 Industrial</td>
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<tr>
<td>Psychology</td>
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<td>SP-111 Fundamentals</td>
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<td>PE-105 First Aid</td>
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<tr>
<td>(Elective)</td>
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</tr>
</tbody>
</table>

18 16
DA DENTAL ASSISTING — Courses

101-102 Dental Laboratory — 4-3 credits
This course consists of practical laboratory training in manipulation of dental materials, instrumentation, sterilizing 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.

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 the P.A.C.E., which are given by the Department of Employment and Boise State College respectively. A complete medical and dental examination is required. The Practical Nursing Advisory 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.

Contact Counselor, Vocational Technical Division, Boise State College, Boise, Idaho 83707, for further information and application forms.

111-112 Communication Skills — 3 credits
This course is designed to develop five forms of communication skills: observing, listening, reading, writing and speaking. Memory and study improvement, word analysis, spelling and technical vocabulary are stressed during the first semester. Grammatical and logical forms, public and conversational speaking, business, report and technical writing are stressed during the second semester. Three clock hours per week.

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 Industrial Psychology — 2 credits
An analysis of human types and behavior of concern to the student and problems peculiar to dentistry; securing a position, dealing with child and adult patients, engaging in business and in service capacity, managing an office, and developing the professional image of the dental assistant. Selected problem situations are simulated, enacted, discussed and solved practically through group interaction. Two clock hours per week.

W BASIC WELDING—CURRICULUM

9 Month Program
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.

FRESHMAN YEAR:

<table>
<thead>
<tr>
<th>COURSE NO. AND TITLE</th>
<th>FALL</th>
<th>SPRING</th>
</tr>
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<tr>
<td>W 101-102 Welding Lab</td>
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<tr>
<td>W 111 Communication Skills</td>
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<tr>
<td>W 131-132 Related Basic Math</td>
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<tr>
<td>W 151-152 Welding Theory</td>
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<tr>
<td>W 262 Industrial Psychology</td>
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</tbody>
</table>

16 15

W  BASIC WELDING — Courses

Basic Welding courses are described under Vocational Two-Year Programs. See page 159.
PRE-VOCATIONAL TRAINING

Pre-vocational education for vocational students or adults who have not completed high school is offered through the Vocational Technical Division. 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.

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 Division of Vocational-Technical Education.
Boise State College Full-Time Faculty

January, 1972
(The date in parentheses is the year of first appointment)

A

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, Instructor in Physics .................. (1971)
B.A., Willamette University; M.A., Harvard University

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

THELMA F. ALLISON, Associate Professor of Home Economics; Chairman, Department of Home Economics ........................................... (1946)
B.S. (H.Ec.), Utah State Agricultural College; University of Utah, Brigham Young University; M.S. (H.Ec.Ed.), Utah State Agricultural College; Carbon College; Oregon State University; Arizona State University.

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

DAVID C. ANDRESEN, Instructor, Acquisitions Librarian (1971)
B.A., M.A., University of Washington.

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

JOHN L. BEITIA, Assistant Professor of Education ...... (1970)
A.A., Boise Junior College; B.S. North Dakota State College; M.A., Idaho State University; Ed.D., Utah State University.

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

HERBERT K. BELL, JR., Assistant 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.

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B.S., Brigham Young University.

JOHN H. BEST, Associate Professor of Music ........... (1947)
B.S., University of Idaho; M.A., Colorado State College of Education; Cello Pupil of Elias Trustman and Joseph Wezels; Composition and Theory pupil of J. DeForest Cline and Henry Trustman Ginsburg.

CAROL JEAN BETTIS, Instructor, Assistant Librarian ........................................... (1970)
B.S. (Chemistry), A.M.L.S., University of Michigan.

JOHN PATRICK BIETER, 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.

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B.A., M.A., Brigham Young University; Ph.D., Purdue.

BILL C. BOWMAN, Associate Professor of Physical Education ........................................... (1969)
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BILL DARRELL CURTIS, Instructor in Auto Body (1967)
Diploma, Boise Junior College.

E

E. JOHN DAHLBERG, Assistant Professor of Teacher Education (1970)
B.A., Pacific Lutheran University; M.A., Lewis & Clark College, Portland; Ed.D., University of Oregon.

NORMAN F. DAHM, Professor of Engineering (1953)
B.S. M.Ed., University of Colorado; Agricultural and Mechanical College of Texas; University of Washington; Bucknell University.

JACK L. DALTON, Professor of Chemistry; Chairman, Department of Chemistry (1958)
B.S., Nebraska State Teachers College; M.S., Kansas State University of Agriculture and Applied Science; Kansas State College.

CHARLES GEORGE DAVIS, Associate Professor of English; Chairman, Department of English (1970)
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ANNE N. DE LAURIER, Counselor, Assistant Professor (1967)
B.A., College of Idaho; M.S., University of Oregon.

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ROBERT de NEUFVILLE, Associate Professor of Foreign Languages (1949)
B.A., M.A., New College, Oxford; Dr. Jr., Marburg University; Geneva University; Berlin University; Columbia University; Middleburg College.

JOANNA DEMEYER, Consulting Professor of Nursing (1972)
B.S., University of Oregon; M.N., University of Washington.

MARY CHARLENE DENNY, Instructor, General Librarian (1970)
B.A., St. Michael College; M.L.S., Texas Woman's University.

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KEITH A. EKBLAW, Assistant Professor of Mathematics (1970)
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Special Training in Office Machine Repair.

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MADELEINE DEMORY HSU, Assistant Professor of Music ............... (1971)

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GUY LAMONT HUNT, Assistant Professor of Teacher Education, Director of Admissions and Records ............... (1970)
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M. SUSAN HUNTER, Instructor in Education, Dean of Women ............... (1971)
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DARRYL HUSKEY, Assistant Professor, Serials and Documents Librarian ............... (1968)
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GAIL ISON, Associate Professor of Psychology ............... (1970)
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HELEN R. JOHNSON, Associate Professor of Office Administration (1955)
B.A., Northwest Nazarene College; University of Idaho; Oregon State University; University of Washington; M.A., College of Idaho; University of California at Berkeley; Arizona State University.

DONALD S. JONES, Instructor in Vocational-Technical Education (1970)
Service Schools of Smith Corona, Olivetti Underwood, Olympia Electric, Gidden Paint Sales.

WILLIAM A. JONES, Instructor in Physical Education (1965)
B.A., Boise College.

ROBERT C. JUOLA, Associate Professor of Mathematics (1970)
B.S., University of Oregon; M.S., Ph.D., Michigan State University.

JAMES V. KELLEHER, Instructor in Biology (1970)
B.A., San Jose State College; M.S., University of Nevada.

FRANCIS E. KELLER, Associate Professor of Engineering (1967)
B.S., Seattle University; M.S., University of Idaho; Ph.D., Montana State University.

MARY LOUISE KELLER, Assistant Professor of Nursing (1959)
B.S.N., Northwest Nazarene College; University of Washington; University of California at Los Angeles.

DORIS KELLY, Assistant Professor of Nursing (1958)
Diploma, Cook County School of Nursing; B.A., University of Denver; M.N., University of Washington.

FENTON C. KELLEY, Assistant Professor of Zoology (1969)
B.A., M.S., University of New Mexico; Ph.D., University of California at Berkeley.

CHARLES R. KERR, Associate Professor of Mathematics (1969)
B.A., Washington State University; M.A., Ph.D., University of British Columbia.

JOHN H. KILLMASTER, Assistant Professor of Art (1970)
B.A., Hope College; M.F.A., Cranbrook Academy of Art; Universidad de Guana Jueto, Mexico; Northern Michigan University; Michigan State University.

WILLIAM F. KIRTLAND, Associate Professor of Teacher Education and Library Science (1969)
Director of Reading Center; B.S., M.A., Berendy State College; Ed.D., Arizona State University.

ANTHONY J. Knap, Head Football Coach (1968)
B.S., M.S., University of Idaho; San Francisco State College; Marquette University, Milwaukee; University of California at Berkeley.

LEO L. KNOWLTON, Associate Professor of Marketing (1965)
B.S., M.S., University of Idaho; University of Oregon.

ALFRED Kober, Assistant Professor of Art (1968)
B.S., M.S., Fort Hayes Kansas State College.

NOEL KRIGBAUM, Assistant Professor of Vocational-Technical Education (1955)
Electricians School, Navy; Idaho State University; Boise Junior College.

ELLIS LAMBORN, Professor of Economics; Chairman, Department of Economics (1968)
B.S., Utah State University; M.S., University of Illinois; Ph.D., Cornell University; University of California.

DANIEL GODLIEB LAMET, Assistant Professor of Mathematics (1970)
B.S., University of Michigan; M.A., Ph.D., University of Oregon.

RICHARD C. LANE, Assistant Professor of General Business (1969)
B.S., M.S., Kansas State College; University of Missouri.

WILLIAM C. LARUE, Instructor in Vocational-Technical Education (1969)
Philco Corp., N.A.S.A. Manned Space Program, Boeing Corporation.

CHARLES E. LAUTERBACH, Assistant Professor of Theatre Arts (1971)
B.A., M.A., University of Colorado; Ph.D., Michigan State University.

RICHARD V. LEAHY, Assistant Professor of English (1971)
B.S., University of San Francisco; M.A., University of Iowa; Ph.D., University of California, Davis.

JOHN C. LEIGH, JR., Instructor in Drafting (1971)
Los Angeles Junior College.

RAY LEWIS, Assistant Professor of Physical Education (1956)

MICHAEL L. LIGGETT, Assistant Professor of History (1970)
B.A., M.A., University of California at Berkeley; Ph.D., University of California at Los Angeles; University of California at Santa Barbara.

GLEN LINDER, Assistant Director, Area Vocational-Technical School (1970)
B.S., University of Idaho.

HUGH T. LOVIN, Professor of History (1965)
B.A., Idaho State College; M.A., Washington State University; Ph.D., University of Washington.

MICHAEL T. LYON, Assistant Professor of Business Administration (1970)
B.B.A., University of New Mexico; M.B.A., University of California at Berkeley.

ROBERT LUKE, Assistant Professor of Physics (1968)
Diploma, Ricks College; B.S., M.S., Ph.D., Utah State University.

RUTH McBRINNEY, Associate Professor, Head Librarian (1940-42, 1953)
Boise Junior College; A.B., Whitman College; B.A. in Librarianship, University of Washington; Columbia University; University of London, University of California at Berkeley; Rutgers University.

ANGUS McDONALD, Professor of Teacher Education (1968)
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ROBERT L. McDOWELL, Assistant Professor, Technical Services Librarian (1963)
B.G.E., Omaha University; M.A., University of the Americas, Mexico (D.F.); M.A. in Librarianship, San Jose State College; University of Alabama; University of Maryland.

SHERRY McGUIRE, Assistant Professor of English (1967)
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BOISE STATE COLLEGE
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JEAN MacINNIS, Instructor in Dental Assisting. (1962)
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JAMES HENRY MAGUIRE, Assistant Professor of English. (1970)
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CLAYDE M. MARTIN, Associate Professor of Teacher Education; Chairman, Department of Teacher Education, and Assistant Dean, School of Education. (1970)
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JACQUELINE MASON, Consulting Professor of Nursing. (1972)
B.A. in Nursing, University of Oregon; M.A. in Public Health Services, University of California, Los Angeles.

CONSTANCE MATSON, Instructor in Nursing. (1968)
B.S., University of Oregon.

EMERSON MAXSON, Assistant Professor of Data Processing. (1968)
A.S., Boise Junior College; B.S., M.B.A., University of Colorado.

WILLIAM P. MECH, Assistant Professor of Mathematics, Director of Honors Program. (1970)
B.A., Washington State University; M.S., Ph.D., University of Illinois.

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GLORIA J. MERRELL, Instructor, Assistant Catalog Librarian. (1971)
B.A., Boise College; M.L.S., University of Washington.

CARROLL J. MEYER, Associate Professor of Music. (1948)
B.M., University of Michigan; Pupil of Ethel Leginska and Cecile de Horvath; M.A., University of Iowa; Elakader Junior College.

FLORENCE M. MILES, Professor of Nursing; Chairman, Department of Registered Nursing and Health Services. (1955)
Diploma, School of Nursing, St. Luke's Hospital; B.S.N.E., M.N., University of Washington; University of California at Los Angeles; Lewis-C Clark Normal School.

BEVERLY MILLER, Assistant Professor, Circulation Librarian. (1968)

GILBERT McDONALD MILLER, Director, Area Vocational-Technical School. (1969)
Idaho State University.

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B.S., University of Oregon; LL.B., Columbia University; University of Idaho; J.D., Columbia University.

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POLLY K. MOORE, Assistant Professor of Home Economics. (1972)
B.S., M.S., Ph.D., Pennsylvania State College.

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B.A., Boise State College; M.A., University of Utah.

DONALD OAKES, Assistant Professor of Music; Associate Department Chairman. (1966)
B.M., M.M., Northwestern University; University of Oregon.

DONALD J. OBEE, Professor of Botany; Chairman, Department of Biology. (1946)
B.A., M.A., Ph.D., University of Kansas; Oregon State University; University of Oregon School of Marine Biology; Arizona State University; University of North Carolina.

DIANA OBENAUER, Instructor in Registered Nursing. (1970)
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F. DENIS OCHI, Instructor in Art. (1971)

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B.S., M.S., M.F.A., University of Wisconsin; Summer School of Painting at Satutuck, Michigan.

PATRICIA K. OURADA, Associate Professor of History. (1962)
B.A., College of Saint Catherina; M.A., University of Colorado; University of Laval; University of Michigan; University of Oklahoma.

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JAMES K. OWENS, Associate Professor of General Business. (1971)
B.B.A., M.B.A., West Texas State University; D.B.A., Harvard University; Indiana University.

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KATHARINE B. RODRIGUEZ, Instructor in Foreign Languages. (1970)
B.A., Duke University; University of Paris; M.A., University of Wisconsin.

DANIEL D. RUSSELL, Assistant Professor of Music. (1971)
B.A., University of Washington; M.M., University of Oregon.

JAMES RUSSELL, Instructor in Art. (1969)
A.B., San Diego State College; M.A., M.F.A., University of Iowa.

RICHARD K. SANDERSON, Assistant Professor of English. (1971)
B.A., University of California, Berkeley; M.A., Ph.D., New York University.

MURRAY SATTERFIELD, Instructor in Physical Education and Head Basketball Coach. (1965)
B.S., University of Utah.

MARTIN W. SCHEFFER, Assistant Professor of Social Sciences. (1964)
A.A., Diable Valley College; B.S., M.S., University of Oregon; Ph.D., University of Utah.

JACK ALBERT SCHLAFLIE, Assistant Professor of Education; Director, Educational TV. (1971)
B.A., Colorado State College; M.A., University of Colorado.

PAUL A. SCHLAFLY, JR., Instructor in Art. (1970)

DUSTON R. SCUDDER, Associate Professor of Marketing. (1964)
B.S. in Business Administration, M.A., University of Denver; Ed.D., Oregon State University; University of Colorado; Colorado State University.

GLENN E. SELANDER, Assistant Professor of English. (1966)
B.S., Western Southwestern University; M.A., Utah State University.

JOHN E. SEVERANCE, Assistant Professor of Engineering. (1967)
B.S., University of Idaho; M.S., University of Arizona.

JOHN H. SEWARD, Assistant Professor of History. (1967)
B.A., Muhlenberg College; M.A., Moorhead State College, Minnesota; North Dakota State University; Midwestern University, Texas.

WILLIAM E. SHANKWEILER, Professor of Theatre Arts; Associate Dean, School of Arts and Sciences. (1956)

MELVIN L. SHELTON, Assistant Professor of Music. (1968)
B.M., Wichita State University; Boise College; M.M., University of Idaho.

BETTY P. SHOWMAKER, Coordinator of Adult Basic Education. (1968)
B.S., Lindenwood College for Women; M.S., University of Idaho.

WILLIAM R. SICKLES, Professor of Psychology. (1968)
B.A., Wittenberg University; M.A., Columbia University; Ph.D., University of California at Berkeley.

DONALD J. SIEBER, Instructor in Electronics. (1962)
U.S. Army Signal Corps; Burroughs Corporation; Montronic: Philco Corporation.

ROBERT CARL SIMS, Assistant Professor of History. (1970)
B.A., Northeastern Oklahoma State College; M.A., University of Oklahoma; Ph.D., University of Colorado.

WILLIAM G. SKILLERN, Associate Professor of Political Science. (1971)
B.S., Linfield College; M.S., University of Oregon; Ph.D., University of Idaho.
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Years</th>
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<tbody>
<tr>
<td>JASON W. SMITH</td>
<td>Faculty</td>
<td></td>
</tr>
<tr>
<td>JOSEPH B. SPULNIK</td>
<td></td>
<td></td>
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<tr>
<td>ARNY R. SKOV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FRANK H. SMARTT</td>
<td>Assistant Professor of Mathematics</td>
<td>1958</td>
</tr>
<tr>
<td>B.A., M.A.</td>
<td>Colorado State College</td>
<td></td>
</tr>
<tr>
<td>DONALD D. SMITH</td>
<td>Professor of Psychology</td>
<td>1967</td>
</tr>
<tr>
<td>A.B., Nebraska State Teachers College; M.Ed., Whittier College; M.Ed., Ed.D. University of Southern California.</td>
<td></td>
<td></td>
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<tr>
<td>JASON W. SMITH</td>
<td>Instructor in Archaeology</td>
<td>1971</td>
</tr>
<tr>
<td>B.A., California State College, Los Angeles; University of Calgary.</td>
<td></td>
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<tr>
<td>LYLE SMITH</td>
<td>Professor of Physical Education, Director of Athletics</td>
<td>1946</td>
</tr>
<tr>
<td>B.S., Ed.D. University of Idaho; San Diego State College.</td>
<td></td>
<td></td>
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<tr>
<td>MARK E. SNOW</td>
<td>Assistant Professor of Psychology</td>
<td>1971</td>
</tr>
<tr>
<td>B.A., Eastern Washington College of Education; M.A., Ph.D., University of Utah.</td>
<td></td>
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<tr>
<td>CLAUDE SPINOSA</td>
<td>Assistant Professor of Geology</td>
<td>1970</td>
</tr>
<tr>
<td>B.S., City College of New York; M.S., Ph.D., The University of Iowa.</td>
<td></td>
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</tr>
<tr>
<td>JOSEPH B. SPULNIK</td>
<td>Professor of Chemistry, Dean, School of Arts and Science</td>
<td>1941</td>
</tr>
<tr>
<td>B.S., M.S., Ph.D., Oregon State University; Reed College; Portland State College.</td>
<td></td>
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</tr>
<tr>
<td>FRANK W. STARK</td>
<td>Associate Professor of Chemistry and Physical Science</td>
<td>1957-62, 1967</td>
</tr>
<tr>
<td>B.S., M.S., Trinity College; University of Denver.</td>
<td></td>
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<tr>
<td>ROBERT A. SULANKE</td>
<td>Assistant Professor of Mathematics</td>
<td>1970</td>
</tr>
<tr>
<td>B.A., Earlham College; M.S., Case Institute of Technology; Ph.D., University of Kansas.</td>
<td></td>
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</tr>
<tr>
<td>ROBERT B. SYLVESTER</td>
<td>Assistant Professor of History</td>
<td>1963</td>
</tr>
<tr>
<td>A.A., Boise Junior College; B.A., M.A., University of California at Santa Barbara.</td>
<td></td>
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<tr>
<td>YOZO TAKEDA</td>
<td>Associate Professor of Mathematics</td>
<td>1969</td>
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<tr>
<td>B.S., University of Michigan; M.A., University of Missouri; Ph.D., University of Idaho.</td>
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<tr>
<td>JOHN S. TAKEHARA</td>
<td>Associate Professor of Art</td>
<td>1968</td>
</tr>
<tr>
<td>B.A., Walla Walla College; M.A., Los Angeles State College.</td>
<td></td>
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<tr>
<td>STANTON D. TATE</td>
<td>Coordinator—Student Relations</td>
<td>1970</td>
</tr>
<tr>
<td>B.A., University of Idaho; M.Div., Princeton Seminary; Institute for Advanced Pastoral Studies; Claremont Men's College; National College of Juvenile Justice.</td>
<td></td>
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<tr>
<td>ROBERT W. TAYLOR</td>
<td>Instructor in Criminal Justice</td>
<td>1970</td>
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<tr>
<td>B.A., Boise State College; M.A., California State College; Grossmont Junior College.</td>
<td></td>
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<tr>
<td>WILLIAM K. TAYLOR</td>
<td>Associate Professor of Music</td>
<td>1971</td>
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<tr>
<td>B.M., Cornell College; M.M., Indiana University.</td>
<td></td>
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<tr>
<td>ALBERT H. TENNYSON</td>
<td>Instructor in Vocational-Technical Related Subjects</td>
<td>1966</td>
</tr>
<tr>
<td>B.A., College of Idaho; M.A., University of Idaho.</td>
<td></td>
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<tr>
<td>NAM M. THOMASON</td>
<td>Instructor in Nursing</td>
<td>1967</td>
</tr>
<tr>
<td>R.N., St. Luke's Hospital; B.S., Montana State University.</td>
<td></td>
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<tr>
<td>STEVEN DAVID THURBER</td>
<td>Assistant Professor of Psychology</td>
<td>1970</td>
</tr>
<tr>
<td>B.S., M.S., Brigham Young University; Ph.D., University of Texas, Austin.</td>
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CARL W. Tipton, Assistant Professor of Management | 1965
Iowa Wesleyan College; University of Washington; George Washington University; M.B.A., University of Chicago; University of Idaho; College of William and Mary.

JAMES W. Tompkins, Assistant Professor of Vocational Technical Related Subjects | 1963
A.B., Wheaton College; B.D., Th.B., Westminster Theological Seminary; University of Pennsylvania; Harvard University.

DAVID P. Torbet, Professor of Psychology, Director of Counseling Guidance and Testing Center | 1966
B.S., Pacific University; M.A., University of Oregon; Ph.D., University of Colorado.

DEAN C. Townsend, Assistant Professor of English | 1970
B.A., University of California at Berkeley; M.A., San Francisco State College; University of California, Santa Barbara; San Jose State College.

WARREN TOZER, Assistant Professor of History | 1969

SHEILA REHING TRuby, Instructor in Nursing | 1968
B.S., State University College of Education.

ANTHONY THOMAS TRUSKY, Instructor in English | 1970
B.A., University of Oregon; M.A., Northwestern University; Trinity College.

JERRY L. TUCKER, Assistant Professor of Education | 1971
B.S., M.N.S., University of Idaho; Ph.D., University of Washington.

LLOYD D. TUCKER, Associate Professor of Mathematics | 1969
B.A., M.S., Southern Illinois University; Ph.D., University of Oregon.

G. W. Underkofler, Associate Professor of Accounting | 1952
B.A., Nebraska Wesleyan University; University of Chicago; University of California, Los Angeles; University of Southern California; San Jose State College; Brigham Young University.

LUIS J. VALVERDE, Associate Professor of Foreign Language | 1965
B.A., Mankato State College; B.S., Southern Illinois University; M.A., University of Illinois; Ed.D., University of California at Los Angeles; University of Michigan; University of Washington; University of Texas; University of Indiana.

WARREN VINZ, Associate Professor of History, Chairman, Department of History | 1968
Lincoln College; B.A., Sioux Falls College; B.D., Berkeley Baptist Divinity; M.A., Ph.D., University of Utah.

JAMES B. WAGSTAFF, Assistant Football Coach | 1969
B.A., Idaho State University; M.S., Utah State University.

LARRY LEE WALDORF, Assistant Professor of General Business | 1970
B.S., M.S., Colorado State University; Ph.D., Colorado State University.

EUNICE WALLACE, Associate Professor of English | 1968
B.A., College of Idaho; Ed.M., Ph.D., Oregon State University; University of California; American University; Idaho State University.

GERALD R. WALLACE, Professor of Education, Dean, School of Education | 1968
B.A., College of Idaho; M.A., University of California; Ed.D., University of Oregon; Whitman College; Colorado State College; Oxford University.
<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Institution</th>
<th>Year(s)</th>
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<tr>
<td>FREDERICK R. WARD</td>
<td>Assistant Professor of Mathematics</td>
<td>1969</td>
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<tr>
<td>B.S., William and Mary</td>
<td>M.S., University of Colorado; Ph.D., Virginia Polytechnic Institute</td>
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<tr>
<td>KATHLEEN C. WARNER</td>
<td>Assistant Professor of English</td>
<td>1966</td>
</tr>
<tr>
<td>B.A., University of Nevada</td>
<td>M.A., Arizona State University; Indiana University</td>
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<tr>
<td>MONT M. WARNER</td>
<td>Professor of Geology</td>
<td>1967</td>
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<tr>
<td>A.B., M.A., Brigham Young University; Ph.D., State University of Iowa; University of Utah; Cambridge University</td>
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<tr>
<td>JOHN E. WARWICK</td>
<td>Associate Professor of Communication</td>
<td>1963</td>
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<tr>
<td>B.E.(Ed.), Quincy College, Illinois; M.F.A., Catholic University of America</td>
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<tr>
<td>TARMO WATIA</td>
<td>Assistant Professor of Art</td>
<td>1969</td>
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<tr>
<td>B.S., M.F.A., University of Michigan</td>
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<tr>
<td>LOUISE WEITMAN</td>
<td>Instructor in English</td>
<td>1969</td>
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<tr>
<td>A.B., Northwest Nazarene College; M.A., University of Washington</td>
<td></td>
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<tr>
<td>E. ALLEN WESTON</td>
<td>Associate Professor of Drafting-Design</td>
<td>1964</td>
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<tr>
<td>B.F.A., University of Arizona; Jefferson Machamer School of Art; Art Center School; USA Engineering Drafting School; College of Idaho</td>
<td></td>
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<tr>
<td>WAYNE E. WHITE</td>
<td>Associate Professor of Business Administration</td>
<td>1965</td>
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<tr>
<td>B.S., Northern Arizona University; M.A., Arizona State University; University of Arizona; Wichita State University</td>
<td></td>
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<tr>
<td>THOMAS W. WILBANKS</td>
<td>Assistant Professor of English</td>
<td>1969</td>
</tr>
<tr>
<td>B.A., Trinity University; M.Div., Princeton Theological Seminary; Th.M., Louisville Presbyterian Theological Seminary; Hebrew Union College; University of New Mexico</td>
<td></td>
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<tr>
<td>IRENE A. WILCOX</td>
<td>Assistant Professor of Social Work</td>
<td>1966</td>
</tr>
<tr>
<td>B.A., University of Utah; Howard University; M.S.W., Washington University; St. Louis, Missouri</td>
<td></td>
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<tr>
<td>EDWIN E. WILKINSON</td>
<td>Associate Professor of Psychology, Dean of Men</td>
<td>1958</td>
</tr>
<tr>
<td>B.A., Whitworth College; M.S., Washington State University; University of Oregon; University of Akron</td>
<td></td>
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<tr>
<td>MARJORIE WILLIAMSON</td>
<td>Assistant Professor of Office Administration</td>
<td>1967</td>
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<tr>
<td>B.S.(Ed.), University of Kansas; M.B.(Ed.), University of Idaho; Washington State University</td>
<td></td>
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<tr>
<td>LONNIE L. WILLIS</td>
<td>Assistant Professor of English</td>
<td>1970</td>
</tr>
<tr>
<td>B.A., North Texas State; M.A., University of Texas; Ph.D., University of Colorado</td>
<td></td>
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<tr>
<td>DARRELL C. WILSON</td>
<td>Professor of Political Science</td>
<td>1967</td>
</tr>
<tr>
<td>B.S., Lewis and Clark College; M.A., Ph.D., University of Oregon</td>
<td></td>
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<tr>
<td>MONTE D. WILSON</td>
<td>Associate Professor of Geology</td>
<td>1969</td>
</tr>
<tr>
<td>B.S., Brigham Young University; M.N.S., Ph.D., University of Idaho</td>
<td></td>
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<tr>
<td>PETER KLEIN WILSON</td>
<td>Professor of Business Administration</td>
<td>1966</td>
</tr>
<tr>
<td>B.A., University of Illinois; J.D., Northwestern University</td>
<td></td>
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<tr>
<td>ELLA MAE WINANS</td>
<td>Associate Professor of Mathematics</td>
<td>1958</td>
</tr>
<tr>
<td>B.S., University of Oregon; M.S., New York University; Idaho State University</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JAMES R. WOLFE</td>
<td>Associate Professor of Education, Director, Extended Day and Summer Sessions</td>
<td>1960</td>
</tr>
<tr>
<td>B.S., M.B.A., Indiana University; University of California at Berkeley; Idaho State College; Stanford University; Michigan State University</td>
<td></td>
<td></td>
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<tr>
<td>BOYD WRIGHT</td>
<td>Instructor in Art</td>
<td>1970</td>
</tr>
<tr>
<td>B.F.A., Utah State University; M.F.A., University of Idaho</td>
<td></td>
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<tr>
<td>GILBERT A. WYLIE</td>
<td>Associate Professor of Biology</td>
<td>1965</td>
</tr>
<tr>
<td>B.S., College of Idaho; M.A., Sacramento State College; Ph.D., Purdue University</td>
<td></td>
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</tr>
</tbody>
</table>

**EMERITI**

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<thead>
<tr>
<th>Name</th>
<th>Title and Institution</th>
<th>Year(s)</th>
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<tbody>
<tr>
<td>WILLIAM S. BRONSON</td>
<td>Professor of Psychology</td>
<td>1954-1970</td>
</tr>
<tr>
<td>ELSIE BUCK</td>
<td>Professor of Mathematics</td>
<td>1932-34, 1937-68</td>
</tr>
<tr>
<td>VINA BUSHBY</td>
<td>Associate Professor of Secretarial Science</td>
<td>1946-65</td>
</tr>
<tr>
<td>EUGENE B. CHAFFEE</td>
<td>President</td>
<td>1932-1967</td>
</tr>
<tr>
<td>CLISBY T. EDLEFSEN</td>
<td>Professor of Business</td>
<td>1939-69</td>
</tr>
<tr>
<td>LUCILLE T. FORTER</td>
<td>Instructor in Voice</td>
<td>1932-62</td>
</tr>
<tr>
<td>JOHN F. HAGER</td>
<td>Associate Professor of Machine Shop</td>
<td>1954-69</td>
</tr>
<tr>
<td>ADA Y. HATCH</td>
<td>Professor of English</td>
<td>1932-67</td>
</tr>
<tr>
<td>KENNETH L. HILL</td>
<td>Associate Professor of Education</td>
<td>1962-70</td>
</tr>
<tr>
<td>CAMILLE B. POWER</td>
<td>Associate Professor of Spanish &amp; French</td>
<td>1932-35, 1936-51, 1954-67</td>
</tr>
<tr>
<td>HAZEL MARY ROE</td>
<td>Associate Professor of Office Administration</td>
<td>1942-44, 1947-69</td>
</tr>
<tr>
<td>HAROLD SNELL</td>
<td>Assistant Professor of Auto Mechanics</td>
<td>1958-69</td>
</tr>
<tr>
<td>LYLE F. TRAPP</td>
<td>Assistant Professor of Auto Body</td>
<td>1953-67</td>
</tr>
<tr>
<td>HELEN WESTFALL</td>
<td>Associate Professor of Physical Education</td>
<td>1962-70</td>
</tr>
</tbody>
</table>
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 III) 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.

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)

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 nondclassified. 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.

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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