

Independent Study

Special Topics

Accounting

Independent Study

Credit for Independent Study (290 series courses) may be permitted under special circumstances. Up to three credits in courses in the 290 series may be earned when an instructor agrees to supervise independent study that allows the student to pursue topics above and beyond the regular course offerings. Students requesting an independent study must demonstrate that they have already completed a substantial amount of relevant coursework in Grays Harbor College's regular curriculum and that, therefore, an opportunity for additional, enhanced study is appropriate. A "Course Contract for Independent Study" must be completed by the student and instructor and approved by the appropriate division chair and Vice President for Instruction.

Independent study courses are not acceptable for fulfilling distribution requirements in any degree. A maximum of three independent study course credits may be used as general elective credit to fulfill degree requirements. GRAYS HARBOR COLLEGE DOES NOT GUARANTEE THE TRANSFERABILITY OF THESE COURSES.

Special Topics

Special Topics 199 and 299 are regular courses designed to deal with unique subjects or timely topics. These topics may be offered in any discipline, typically on a one-time basis. The purpose of these courses is to provide students with the opportunity to explore specialized subjects within a chosen field of study. Special Topics courses may vary from one to five credit hours. Prerequisites are determined on a course-by-course basis. Credits are variable. Special Topics 199 and 299 courses are not acceptable for fulfilling distribution requirements for any degree. They serve as general electives only.

Accounting

ACCT 113 **5 Credits**
Introduction to Accounting I

Prerequisites: READ 090, completion of or current enrollment in MATH 093 or instructor permission.

Theory and practice of double-entry bookkeeping and accounting for professional, service and merchandising business organizations. Coverage of both cash and accrual systems with preparation of worksheets, adjusting and closing entries, reversing entries, and financial statements. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ACCT 114 **5 Credits**

Introduction to Accounting II

Prerequisite: ACCT 113.

Introduction to accounting for partnerships and corporations. Valuation of receivables, inventories and plant equipment. Students complete a practice set. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ACCT 175 **3 Credits**

Business and Payroll Tax Accounting

Prerequisites: ACCT 113 or ACCT& 201 or instructor permission.

A study of the various aspects of federal, state and local taxes levied upon business. Emphasis is placed on federal income and Social Security tax withholding, sales tax requirements and various state regulations regarding employee health, safety, unemployment insurance and business and occupation tax. Students will practice completion of various tax reports and maintenance of accurate tax related records. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ACCT 176 **3 Credits**

Computerized Accounting Functions

Prerequisites: ACCT 113 or ACCT& 201; CIS 102 or instructor permission.

Introduction to computer applications in an accounting environment. Students will analyze transactions, enter data into a computerized accounting system and prepare various financial reports. Included are integrated general ledgers, accounts receivable and payable, depreciation, inventory and payroll systems. 2 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

ACCT& 201 (was ACCT 150) **5 Credits**

Principles of Accounting I

Recommended Preparation: CIS 102.

Prerequisites: MATH 098 or placement in MATH& 107 or higher. Completion of ENGL 095 or placement in ENGL& 101 or instructor permission.

A foundation course for accounting program students and students planning to transfer to a four-year institution. The theory and practice of financial accounting are introduced and developed. Involves the measuring of business income and expenses, the accounting cycle, merchandising transactions, the sole proprietorship form of business organization and the relationship and preparation of the accounting statements. Includes emphasis on the accounting for current assets, property, plant and equipment. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

**ACCT& 202 (was ACCT 151) 5 Credits
Principles of Accounting II**

Prerequisites: ACCT& 201 or ACCT 114.

This course continues the study of financial accounting theory through the application of the basic concepts and principles of the partnerships and corporation form of business organization. Includes the study of liabilities, time value of money, statement of cash flow, additional financial reporting issues and the analysis and interpretation of financial statements. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

**ACCT& 203 (was ACCT 152) 5 Credits
Principles of Accounting III**

Prerequisite: ACCT& 202.

A study of accounting information and its application and uses within the business organization. Includes the study of manufacturing operations with emphasis on determination, behavior and control of costs, cost-volume-profit analysis, budgeting and responsibility accounting, and management decision making for pricing, capital expenditures and short-run analysis. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

**ACCT 220 5 Credits
Federal Income Tax I**

Prerequisite: ACCT 113 or ACCT& 201 or instructor permission.

An introduction to the basic concepts of the Internal Revenue Code as applied to individual and sole proprietorship-small business tax problems. The course involves integrating concepts and the application of recent laws and regulations to the preparation of 1040 Individual Income Tax return; Schedule A, Itemized Deductions; Schedule C, Profit or (Loss) from Business, and depreciation methods. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

Adult Basic Education**BASED 010 Variable Credits
ABE and ESL Orientation**

This is an orientation course which will include completing the intake and academic assessment process; developing strategies for and setting long and short term goals; identifying current abilities, styles, and readiness to learn; and identifying barriers and strategies to overcome. The course does not meet any degree requirements.

**BASED 021 Variable Credits
Basic Skills I**

Non-transfer credit instructional course designed to teach reading, writing, and computational skills to individuals who have a goal to improve basic skills and, at intake, score less than 201 on a CASAS test (grade equivalents 0-1.9).

**BASED 022 Variable Credits
Basic Skills II**

Non-transfer credit instructional course designed to teach reading, writing, and computational skills to individuals who have a goal to improve basic skills and, at intake, score 201-210 on a CASAS test (grade equivalents 2.0-3.9).

**BASED 023 Variable Credits
Basic Skills III**

Non-transfer credit instructional course designed to teach reading, writing, and computational skills to individuals who have a goal to improve basic skills and, at intake, score 211-220 on a CASAS test (grade equivalents 4.0-5.9).

**BASED 024 Variable Credits
Basic Skills IV**

Non-transfer credit instructional course designed to teach reading, writing, and computational skills to individuals who have a goal to improve basic skills and, at intake, score 221-235 on a CASAS test (grade equivalents 6.0-8.9).

**BASED 025 Variable Credits
GED Prep I**

Non-transfer credit instructional course for adult and family literacy students who have a goal of earning the General Educational Development (GED) equivalency certificate who, at intake, score 236-245 on a CASAS test.

**BASED 026 Variable Credits
GED Prep II**

Non-transfer credit instructional course for adult and family literacy students who have a goal of earning the General Educational Development (GED) equivalency certificate who, at intake, score 246-255 on a CASAS test.

**BASED 031 Variable Credits
Career Survey**

The focus of Career Survey is to facilitate awareness of skills, interests, and opportunities as they relate to the student's career journey and the world of work. Students will be exposed to different career options and programs of study via job or class shadowing and hands-on workshops. Students will become familiar with occupational resources such as WOIS, interviewing techniques, resume and cover letter writing, and job/market analysis. Importantly, the student must be willing to dream and explore diverse career possibilities. This course is also designed to help prepare students for the transition from Adult Basic Education to Developmental Education to college level coursework. 6 lecture hours. Students must test into ABE IV in reading and writing to be eligible for admittance.

Accounting

Adult Basic
Education

Adult Basic Education

AIDS

Alcohol/Substance Abuse

BASED 032 Variable Credits
Transitions

This course prepares students for entering college by providing an introduction to basic materials and concepts that are covered in a college classroom, such as text type and style, reference citation styles, and sentence grammar. Emphasis will be placed on academic literacy competencies, including fundamental academic vocabulary and commonly utilized technologies. Further, cultural competencies focusing on geography, literature, and history will be explored. Problem-solving and critical thinking techniques will be applied, and certain social barriers to academic success will be addressed. Students will apply to the college for admission, fill out the federal financial aid form, and investigate alternative sources of funding. Daily homework assigned. 6 lecture hours; 2 math lab hours.

BASED 036 Variable Credits
Promoting Your Strengths

This short-term, intensive workshop assists students with the process of determining individual personal and work-related strengths, and how to apply those strengths as a part of increasing employability skills. Strategies from Dependable Strengths will be the center of focus for the workshop, and will be applied in the development of a personalized 60-second commercial and resume.

BASED 057 Variable Credits
Adult Special Education

Special training in pre-vocational and vocational education skills for developmentally disabled adults.

BASED 073 Variable Credits
Basic Computers I

This basic computer literacy course is designed to provide a beginning level of competency in using personal computers in a relaxed, nonthreatening atmosphere. Hardware and software components will be introduced, and students will learn the use of the Windows operating system. E-mail and use of the Internet will be introduced.

BASED 074 Variable Credits
Basic Computers II

Prerequisite: BASED 073 or equivalent.
This course will introduce Microsoft Office Suite applications including Word, Excel, PowerPoint, and Outlook. File management in the Windows operating system will be emphasized. Students will receive instruction to increase proficiency in the use of the Internet and E-mail.

BASED 075 Variable Credits
Basic Computers III

Prerequisite: BASED 074 or equivalent.
This course will increase skills in the Microsoft Office Suite applications including Word, Excel, PowerPoint, and Outlook. Students will demonstrate competency by creating resumes, business cards, a slide show, calendar, and charts/tables. Advanced E-mail skills and research using the Internet will be covered.

Aids

AIDS 102 0.8 Credits
Health Care Perspective on AIDS

NOTE: This course is offered on an independent study basis. Students can enroll at any time through the end of the quarter.
A workshop meeting WAMI, HIV, core curriculum requirements aimed at health care professionals to meet licensing requirements related to AIDS training.

AIDS 103 2 Credits
AIDS and the Substance Abuse Counselor

This course is designed for the chemical dependency counselor in the state of Washington who requires a seven-hour course in developing AIDS-relevant counseling skills. Topics include HIV clinical picture, epidemiology, HIV transmission modes and variables, managing personal fear and resistance, substance abuse and AIDS risk relationships, strategic risk intervention, risk intervention skills and procedures, HIV test counseling, and special treatment needs of the HIV-positive client. This course meets the requirements as stipulated by the Bureau of Alcohol and Substance Abuse. 2 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

Alcohol/Substance Abuse

ALSA 120 4 Credits
Pharmacology of Alcohol/Drugs

The interaction of alcohol and other drugs in the human body; absorption, distribution, metabolism, mechanism of action, peripheral and central nervous system effect, interaction with other chemicals and physiological consequences of chronic high dosage use. 4 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 125 **3 Credits**
The Dysfunctional Family

Examines major family counseling theories and their application to the family system that is being affected by and is affecting the chemically dependent person. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 136 **3 Credits**
Group Dynamics

This course is an introduction to the principles of group process with emphasis on group counseling with chemically dependent clients. By its very nature a course in group counseling must be experiential. All students will be expected and encouraged to participate in the group activities. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 140 **3 Credits**
Chemical Dependency/Case Management

This course introduces the student to the role of case management in human services. Models of case management and the varying roles of the counselor/case manager are examined. The student will learn approved methods of managing client record documentation, information gathering, processes, treatment planning and interfacing with community agencies. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 209 **2 Credits**
Law/Ethics Chemical Dependency

This course will cover the appropriate interaction between chemical dependency counselors and consumers of chemical dependency treatment. Ethical principles will be applied in a chemical dependency context, and relevant WACs will be covered. The Washington State Department of Alcohol and Substance Abuse (DASA) requires that chemical dependency counselors take a course pertaining to ethics in chemical dependency treatment. 2 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 210 **2 Credits**
Chemical Dependency Treatment & the Law

The course will cover the interaction of alcohol/drug treatment facilities and the various elements of the judicial system. A primary focus will be the legal responsibility of individual chemical dependency counselors. The Washington Department of Alcohol and Substance Abuse (DASA) requires that chemical dependency counselors take a course pertaining to the legal system. 2 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 211 **2 Credits**
Relapse Prevention

The course will focus on relapses in chemical dependency treatment. Preventing and dealing with relapses will be a special focus. The stages of recovery in substance abuse treatment and the likelihood of relapse in treatment will also be covered. The Washington State Department of Alcohol and Substance Abuse (DASA) requires that chemical dependency counselors take a course in this area. 2 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 212 **2 Credits**
**Youth Chemical Dependency Assessment/
 Counseling**

Prerequisite: HSSA& 101.

This course will focus on youth chemical dependency counseling and assessment. At-risk youth will be a particular focus along with family issues, assessment, and treatment planning. The Washington State Department of Alcohol and Substance Abuse (DASA) requires that chemical dependency counselors take a course in this area. 2 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 270 **4 Credits**
Alcohol/Substance Abuse Counseling

Students learn basic communications, interview and assessment skills as used in community mental health settings. Development of beginning-level counseling skills and awareness of unique qualities each brings into the helping profession. This course will review the major therapeutic approaches including client-centered therapy, rational-emotive therapy, reality therapy, gestalt therapy, and transactional analysis. Includes some demonstration of techniques associated with the therapies. 4 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HSSA& 101 (was ALSA 110) **4 Credits**
Introduction to Addictive Drugs

Introduction to the physiological, psychological and sociological aspects of alcoholism and drug abuse. Analyzes patterns of dependency and addiction associated with prescription, over-the-counter, and illegal substances. Explores methods of prevention, assessing the degree of involvement with alcoholism and drugs. 4 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

*Alcohol/Substance
 Abuse*

Allied Health

Anthropology

Allied Health

AHLTH 130 3 Credits Medical Terminology

Prerequisite: READ 090 or placement in READ 120.

A self-programmed, module course designed to build a basic knowledge of medical vocabulary. The material presents a logical step-by-step method of learning medical terminology. The student is able to recognize and build thousands of terms after learning the meaning of a few word parts. CD ROMs enhance learning. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

AHLTH 150 5 Credits Comprehensive Medical Terminology

Prerequisite: READ 090 or placement in READ 120.

This course presents a comprehensive systems approach to the study of selected roots, prefixes, and suffixes; principles of word building; study of diagnostic, operative, and symptomatic terms of the various systems of the body. There is an emphasis on accurate spelling and pronunciation of all medical terms. Study includes common medical abbreviations, selected eponyms, clinical laboratory procedures and radiology procedures with associated terminology for each body system. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

Anthropology

ANTH& 100 (was ANTH 100) 5 Credits Survey of Anthropology

Recommended Preparation: ENGL 095 or placement in ENGL& 101.

Survey of the fields which make up anthropology: physical anthropology, archeology, prehistory and beginning of history including the earliest cultures and civilizations; ethnology/social anthropology, living and recent societies of the world. 5 lecture hours. Satisfies social science distribution area C requirement or specified elective for the AA degree.

ANTH& 204 (was ANTH 104) 5 Credits Archaeology

Prerequisite: A grade of "C" or better in ENGL& 101 or instructor permission.

This introduction to Archaeology on-line course explores the history, field practices, and objectives of archaeology, with an effort to understand how archaeologists do what they do, and why they do what they do. You will become familiar with the general terminology, principles and methods of archaeology, including excavation, site survey, laboratory analysis, ethno archaeology, archaeological experimentation, and the theoretical reconstruction of past societies. You will examine the controversies and political issues within the field of archaeology, and be able to develop your own opinions on these issues based upon your personal, cultural, and educational backgrounds. The overall goal is to begin training students to qualify as Cultural Resource Technicians for Native American communities. 5 lecture hours. Satisfies specified elective requirements for the AA degree.

ANTH& 206 (was ANTH 202) 5 Credits Cultural Anthropology

Prerequisite: ANTH& 100 or SOC& 101 or instructor permission. .

The study of cultural traditions in various sections of the world, leading to an understanding of cultural differences and similarities. Emphasis will be placed upon anthropological examples of human behavior in societies that contrast with Western civilizations. 5 lecture hours. Satisfies social science distribution area C requirement or specified elective for the AA degree.

ANTH& 210 (was ANTH 210) 5 Credits Indians of North America

Prerequisite: A grade of "C" or better in ENGL& 101 or instructor permission.

Native American Cultures and Culture Contact provides a general view of the variations in the life ways of the Native Americans up to current times. Major Native American culture areas are visited and discussed in a broad comparative content. We examine current indigenous and scientific thoughts about the origins, development and variation of North American Native culture areas. We also examine current issues and legal contexts, with a particular focus on cultural resource management (CRM) and the laws applied throughout North America and their continuing applications in attempts to protect cultural resources. This vocationally oriented course is intended to train students to become familiar with the available information compiled concerning the past and present peoples of Native North America. It is important for Cultural Resource Technicians being trained in these classes (CRTs) become quite familiar with what has been written about past and present peoples, so that they can help build, improve and correct upon these perspectives. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

ANTH 220 **5 Credits**
Pacific Northwest Coast Peoples

Prerequisite: A grade of "C" or better in ENGL& 101 or instructor permission.

Pacific Northwest Coast Peoples - Past and Present examines current indigenous and scientific thoughts about the origins, development and variation of Pacific Northwest cultures. We consider at least 12,000 years of cultural history in the Northwest Coast region, leading to one of the culturally most complex maritime societies to have existed into the contemporary times. Pacific Northwest Coast Peoples, rich in culture, tradition and with an extensive knowledge of the environment they occupy, are recorded with mile-long villages containing as many as 1,000 inhabitants, monumental construction in both homes, canoes and art, and highly complex societies, consisting of nobles, commoners and slaves. We will discuss how these cultures shape modern life throughout this region today. This vocationally oriented course is intended to train students to become familiar with the available information compiled concerning the past and present peoples of the Pacific Northwest Coast. It is important to become quite familiar with what has been written about past and present peoples, so that they can help build, improve and correct upon these perspectives. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

Art

ART& 100 (was ART 100) **5 Credits**
Art Appreciation

Recommended Preparation: ENGL& 101.

Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120.

A study of the basic elements of visual form and their application to the variety and richness of art. Traditional and contemporary art from around the world, including architecture, design, painting, photography, and sculpture are examined in ways that provide meaningful responses to form and content. The broad objective of this course is for the student to recognize and become conversant with the basic concepts, styles, terminology, and elements of visual art. Major examples of two- and three-dimensional art will be examined and discussed. 5 lecture hours. Satisfies humanities distribution area A requirement or specified elective for the AA degree.

ART 101 **5 Credits**
Drawing I

Prerequisite: ENGL 095 or placement in ENGL& 101.

A practical introduction to the methods, materials and visual elements necessary to draw from life. The basic skills and vocabulary of representing visual elements necessary to draw from life. The basic skills and vocabulary of representing visual observations will be discussed, demonstrated and practiced. This course is an exploration of concepts and techniques basic to representational drawing. Projects chosen by the instructor will develop, through observation, the skills applicable to perspective drawing, landscape, still life, the human figure, and graphic layout. Through demonstration, critique, and problem-solving, students will be exposed to the traditions of two-dimensional representation in black and white including the elements of composition, proportion, values, contours, cross-contours, chiaroscuro and basic perspective. 4 lecture hours; 2 studio hours. Satisfies humanities distribution area A requirement or specified elective for the AA degree.

ART 102 **5 Credits**
Drawing II

Prerequisites: ART 101 or ART 104.

Further application of the principles, materials, and methods presented in ART 101 with increased emphasis on effective development of form, volume and expressive composition. This course is designed to extend basic skill levels and encourage more individual application of the skills, basic principles, terminology, and techniques of representational drawing developed in ART 101. Through demonstration, critique, and individual problem-solving, students will further their understanding of the traditions of two-dimensional representation in black and white using the familiar elements of composition, proportion, values, contours, cross-contours, chiaroscuro and basic perspective. 4 lecture hours; 2 studio hours. Satisfies specified elective requirement for the AA degree.

ART 103 **5 Credits**
Drawing III

Prerequisites: ART 102.

Advanced study of principles and methods of observational drawing with special attention to traditional concepts and contemporary forms. In addition to studio assignments, independent projects will be developed jointly by student and instructor. This course is designed to encourage more individual application of the skills, basic principles, terminology, and techniques of representational drawing developed in ART 101 and 102. Drawing from observation and the in-class study of visual relationships will continue to be emphasized as well as synthesizing images from a variety of other sources. 4 lecture hours; 2 studio hours. Satisfies specified elective requirement for the AA degree.

Anthropology

Art

Art
Astronomy

ART 104 **5 Credits**
Design I

Recommended Preparation: ENGL& 101.
Prerequisite: ENGL 095 or placement in ENGL& 101.

A practical introduction to the basic elements, techniques, and principles of two-dimensional visual art with an emphasis on projects using line, shape, pattern, and interval in black and white. This course introduces the visual principles essential to all graphic design and the visual aspects of web design and desktop publishing. Use of the personal computer as a design tool is encouraged. The basic goals of this course are for the student to learn the elements of the form-language, become aware of traditional practices and materials, and develop concepts and skills useful in graphic problem-solving. 4 lecture hours; 2 studio hours. Satisfies humanities distribution area A requirement or specified elective for the AA degree.

ART 105 **5 Credits**
Design II

Recommended Preparation: ENGL& 101.
Prerequisites: ART 101 or ART 104.

An extended exploration of the basic elements, techniques, and principles of the basic elements and principles of visual art introduced in ART 101 and ART 104 with an emphasis on color and three-dimensional design problems. The objective of this studio course is to develop practical understanding of the basic elements and complexities of color perception, color terminology, additive and subtractive color, the application of color concepts to visual problem solving, volume, mass, planes, geometric figures, expressive three-dimensional forms and the effects of color on three-dimensional structures. The sequence of assignments provides the experience to execute and evaluate design problems of increasing complexity. 4 lecture hours; 2 studio hours. Satisfies humanities distribution area A requirement or specified elective for the AA degree.

ART 251 **5 Credits**
Painting I

Prerequisites: ART 101 or ART 104 or instructor permission; ENGL 095 or placement in ENGL& 101.

Introduction to painting materials and techniques. Emphasis upon acquiring skills in color mixing, paint handling, and visual observation to form expressive compositions. This is an introductory course to acquaint the student with representational means of expression with the use of pigments and concepts of color mixing. It is designed to develop a practical understanding of painting based on traditional concepts, techniques, vocabulary, and materials. 4 lecture hours; 2 studio hours. Satisfies specified elective requirement for the AA degree.

ART 252 **5 Credits**
Painting II

Prerequisite: ART 251 or instructor permission.
Continuation of ART 251 with an emphasis on the observation and use of color and value in forming effective visual statements. Presentation and visual analysis of master paintings will be integrated with the development of individual work to further acquaint the student with representational means of expression, with greater variety in the use of pigments and concepts of color and composition. It is designed to further develop a practical understanding of painting based on traditional concepts, techniques, vocabulary, and materials. 4 lecture hours; 2 studio hours. Satisfies specified elective requirement for the AA degree.

ART 260 **5 Credits**
Introduction to Printmaking

Prerequisites: ART 101 or ART 104 or instructor permission; ENGL 095 or placement in ENGL& 101.

A practical introduction to the history and methods of printmaking with special attention to relief printing in wood and linoleum, monotypes, and intaglio processes. Studio assignments and projects will include work in multi-color registration and black and white. The sequence of assignments is designed to increase the student's ability to control the visual relationships in many forms of printmaking related to a personal choice of imagery and subject matter. 4 lecture hours; 2 studio hours. Satisfies specified elective requirement for the AA degree.

Astronomy

ASTRO 101 **5 Credits**
Astronomy

Prerequisite: MATH 098 or placement in college level math.

This course provides an introduction to the universe beyond the Earth. The course begins with a study of the night sky and the history of astronomy. The course then explores the various objects seen in the cosmos beginning with a study of the solar system followed by stars, galaxies, and the evolution of the universe itself. 5 lecture hours. Satisfies science distribution area E requirement or specified elective for the AA degree.

Automotive Technology

AUTO 102 2.5 Credits Basic Automotive Electricity

An introduction to the fundamental laws of electricity and the principles of magnetism and induction. The course will include a study of Ohms Law as well as electrical circuit schematic reading, wire repair and use of electrical test equipment. Also included will be a study of automotive batteries, starting systems, and charging systems. 1.5 lecture hours; 1 lab hour.

AUTO 111 16 Credits Brakes/Suspension/Steering

Prerequisites: Placement in MATH 060 and ENGL 060; or instructor permission.

The foundation of Automotive Technology provided in this course includes a study of safety rules and procedures, use of shop tools, equipment, steering, suspension, and alignment procedures currently in use by the automotive industry. This course provides theory and application of conventional and strut-type suspension systems and modern braking systems. The student is introduced to conventional and rack and pinion types of steering systems, applies two-wheel and four-wheel alignment procedures, applies tire and wheel balance procedures. The second part of this course is a study of brakes and brake control systems, including brake system hydraulics and hardware. The student will practice brake service procedures, brake performance, diagnostic, and troubleshooting methods. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

AUTO 112 16 Credits Electrical/Electronics/ABS

Prerequisites: Placement in MATH 060 and ENGL 060; or instructor permission.

An introduction to the fundamental laws of electricity and the principles of magnetism and induction. The course will include a study of Ohm's Law as well as electrical circuit schematic reading, wire repair and use of electrical test equipment. Also included will be a study of the automotive batteries, starting systems and charging systems. The second portion of this course includes the principles of Anti-Lock brake systems. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

AUTO 113 16 Credits Engines/Electrical/Tune-up/Ignition

Prerequisites: Placement in MATH 060 and ENGL 060; or instructor permission.

The student will be introduced to engine construction, valve and camshaft arrangements, cooling systems, and lubrication systems. The student will use applications of engine teardown/reassembly methods, measurement techniques, and part wear/failure analysis to make diagnosis of engine systems. Ignition systems in current use, tune-up and troubleshooting with electrical and electronic test equipment will be emphasized. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

AUTO 211 16 Credits PowerTrain/Transmissions/Manual and Automatic

Prerequisites: Placement in MATH 060 and ENGL 060; or instructor permission.

This course is a study of the vehicle power train and methods of delivering power from the engine to the drive wheels. Topics of study will include details of power flow in a manual transmission/transaxle and automatic transmission/transaxle, gear ratios, driveline components and construction, differential components, clutch systems, transfer cases, and drive axles. Much emphasis will be given to diagnosis and troubleshooting techniques. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

AUTO 212 16 Credits Fuel Systems/Electronic/Computer Controls

Prerequisites: Placement in MATH 060 and ENGL 060; or instructor permission.

This course is an advanced study of the fuel management systems presently used in current emission, fuel economy and performance requirements of the modern automobile. The course includes an in-depth study of fuel injection systems used on domestic and foreign vehicles. Included in the class will be identification of components, on car diagnosis, replacement of components. Utilization of modern test equipment such as scanners and analyzers will be stressed. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

Automotive Technology

Automotive
Technology

Biological Sciences

AUTO 213 **16 Credits**
**Advanced Engine Performance/Air
 Conditioning/Heat/Shop Management**

Prerequisites: Placement in MATH 060 and ENGL 060; or instructor permission.

This course is an advanced study of the equipment that is used in diagnosing the modern automobile. This course will include the use of diagnostic equipment such as, current industry engine analyzers, lab scopes, scanners, multi-gas analyzers and various meters and sensor testers. A study of the principles of refrigeration, and the heating and air conditioning systems currently used by the automotive industry including manual, semiautomatic, and automatic systems. The course will include details of the electrical control circuits for the compressor, blower, and coolant fan(s). The description, purpose and function of air conditioning system components are explained in this course, and service and repair procedures will be presented and practiced by the student. Safety procedures for handling R-12 and 134-A are discussed. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

AUTO 224 **1-5 Credits**
Cooperative Work Experience

Prerequisite: Instructor permission. Students participate in on-the-job training as volunteers or for pay. Students achieve specific learning objectives based on job-related conferences, faculty work-site visitations, and other appropriate assignments. 5-25 hours per week. Vocational program course. May be used as a general elective in the AA degree.

Biological Sciences

BIOL 102 **5 Credits**
General Biology II

Prerequisite: BIOL& 100 or BIOL& 160. A study of the major plant and animal groups. Relationships between various plant and animal groups and humans with the central theme being evolution, diversity and unity. 4 lecture hours; 2 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree.

BIOL 105 **5 Credits**
Modern Day Plagues

Prerequisites: READ 090 or placement in READ 120; ENGL& 101 or concurrent enrollment.

Modern Day Plagues is an overview of microbial disease and disease transmission. The course focuses on the interaction between modern behaviors and environmental changes and the spread of disease in both the local community and globally. Of special concern is the emergence of new viruses, the re-emergence of old plagues, antibiotic resistance and the use of microbes for bioterrorism. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

BIOL 109 **5 Credits**
Plants of Western Washington

This course covers the identification and classification of higher plants found in Western Washington. The course is suitable for both biology majors and non-majors. 3 lecture hours; 4 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree.

BIOL 114 **5 Credits**
Marine Biology

Reproduction, identification, ecology and ecosystem dynamics of life in marine waters will be examined. Field trips and aquaria will be utilized to concentrate on Pacific Northwest ecosystems and species. Lectures will take a more global perspective. 3 lecture hours; 4 lab hours. Satisfies specified elective requirement for the AA degree.

BIOL 118 **5 Credits**
Human Biology

Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120; MATH 093 or higher or placement in MATH 098.

This one-quarter course is a survey of human anatomy and physiology. The student will learn how the body is put together and how it functions in health as well as disease. Students will also identify lifestyle changes that can enhance personal health. For non-majors and allied health students. Some students take this survey course to prepare for BIOL 208 and BIOL 209. 4 lecture hours; 3 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree.

BIOL 140 5 Credits
Ecology

Recommended Preparation: BIOL& 100 or BIOL& 160.

Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120; MATH 093 or placement in MATH 098 or higher.

A study of the interactions between organisms and the environment, the flow of energy through ecosystems, biogeochemical cycles, population dynamics, and the human impact on the environment. 4 lecture hours; 2 lab hours. Saturday field trip. Satisfies science or lab requirement area C distribution or specified elective for the AA degree.

BIOL 201 5 Credits
Biological Science I

Prerequisite: A grade of "C-" or better in CHEM& 162 or instructor permission.

For students intending to take advanced biology or pre-professional medical programs. This course emphasizes the features common to all forms of living organisms: biological molecules, cell structure, bioenergetics and metabolism, the genetic basis of inheritance and evolution. 4 lecture hours; 3 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree.

BIOL 202 5 Credits
Biological Science II

Prerequisites: BIOL 201 or instructor permission.

For students intending to take advanced biology, or pre-professional medical programs. This course covers basic zoological concepts, emphasizing structure and function with the central theme being evolution and diversity. 4 lecture hours; 3 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree.

BIOL 203 5 Credits
Biological Science III

Prerequisites: BIOL 201 or instructor permission.

For students intending to take advanced biology programs or pre-professional medical programs. This course covers basic botanical concepts, emphasizing structure and function with the central theme being evolution and diversity, and includes a survey of microorganisms and basic concepts of ecology. 4 lecture hours; 3 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree.

BIOL 208 5 Credits
Human Anatomy/Physiology I

Recommended Preparation: AHLTH 130.

Prerequisites: Grade of "C" or better in BIOL& 101 or BIOL 201 within the last 5 years, or instructor permission.

An integrated study of the structure and function of the human body. The following systems are studied: integumentary, skeletal, muscular and nervous. 4 lecture hours; 3 lab hours. Satisfies specified elective requirement for the AA degree.

BIOL 209 5 Credits
Human Anatomy/Physiology II

Prerequisites: Grade of "C" or better in BIOL& 160 or BIOL 201 within the last 5 years and a grade of "C" or better in BIOL 208 within the last 5 years, or instructor permission..

A continued study of the structure and function of the human body. The following systems are studied: the cardiovascular, lymphatic, respiratory, urinary, water balance, pH, and reproductive. 4 lecture hours; 3 lab hours. Satisfies specified elective requirement for the AA degree.

BIOL& 100 (was BIOL 100) 5 Credits
Survey of Biology

Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120; MATH 093 or placement in MATH 098 or higher.

This is an introductory biology course intended for non-majors and will not serve as prerequisite for other biology courses. The course deals with the process of science, evolutionary concepts, and modern applications in biology and bioethics. 4 lecture hours; 2 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree.

BIOL& 160 (was BIOL 101) 5 Credits
General Biology w/lab

Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120; MATH 093 or placement in MATH 098 or higher.

An introduction to the processes and principles that are common to all living things. The chemistry of life, cell structure and function, molecular basis of heredity, Mendelian genetics, and evolutionary theory are covered. This course is intended for, but not limited to, students intending to continue in biology or the health sciences. 4 lecture hours; 2 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree.

Biological Sciences

Business

**BIOL& 260 (was BIOL211) 5 Credits
Microbiology w/lab**

Prerequisites: A grade of "C" or better in BIOL& 160, BIOL 201 or CHE& 121 or instructor permission.

Basic microbiological concepts and techniques. The role of microorganisms in health and disease. 4 lecture hours; 4 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree.

Business

**BA 104 3 Credits
Mathematics for Business**

Prerequisite: MATH 095, placement in MATH 098 or instructor permission.

Review of basic arithmetic and algebraic fundamentals and their application to typical business problems. A practical mathematical approach to business problems, such as cash and trade discounts, commissions, simple and compound interest, markups and markdowns, net present values, and insurance rates, etc., will be employed. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

**BA 124 1-5 Credits
Cooperative Work Experience**

Prerequisite: Instructor permission.

This course involves supervised work experience for freshmen as a practicum for full-time job preparation. Students work in an office or other business environment five to twenty-five hours per week. Vocational program course. May be used as a general elective in the AA degree.

**BA 140 3 Credits
Business English**

Prerequisite: A grade of "C" or better in ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120.

The study of English grammar, spelling, and punctuation as particularly applied to business applications. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

**BA 150 5 Credits
Fundamentals of Finance**

Prerequisites: BA 104; ACCT 113 or ACCT& 201 or instructor permission.

This course presents the basics of financial analysis, forecasting, operating and financial leverage, working capital, current asset management, short term financing, and investment options. Orientation will be towards small business and personal finance. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

**BA 156 4 Credits
Fundamentals of Purchasing I**

Introduction to the basic principles of procurement and sourcing process and includes approaches for managing the procurement and sourcing process. 4 lecture hours. May be used as a general elective in the AA degree.

**BA 157 4 Credits
Fundamentals of Purchasing II**

Provides an understanding of strategic supply management concepts, issues, and activities that support the procurement and sourcing process. 4 lecture hours. May be used as a general elective in the AA degree.

**BA 159 5 Credits
Principles of Salesmanship**

Prerequisites: READ 090; ENGL 095 or instructor permission.

Designed to develop sales abilities and teach the importance of marketing and product knowledge as a part of selling and the technical aspects of opening, prospecting, managing time, and closing a sale. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

**BA 174 5 Credits
Small Business Management**

Prerequisites: READ 090; ENGL 095; MATH 095 or instructor permission.

A study of small business covering reasons for success and failure and a practical approach on how to start a small business and continue successfully. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

BA 200 **5 Credits**
E-Commerce and Retailing

Prerequisites: CIS 125; ENGL 095; MATH 095 or higher or instructor permission.

This course examines how the Internet is used for the marketing, selling, promoting and distribution of goods and services. The class will demonstrate the many ways business functions can be enhanced and impacted through the use of information technology and the Internet. Students will explore electronic commerce from both a theoretical and applied perspective. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

BA 224 **1-5 Credits**
Advanced Cooperative Work Experience

Prerequisite: BA 124 and instructor permission.

This course involves supervised work experience for sophomores as a practicum for full-time job preparation. Students work in an office or other business environment five to twenty-five hours per week. Vocational program course. May be used as a general elective in the AA degree.

BA 240 **5 Credits**
Principles of Marketing

Prerequisites: READ 090; ENGL 095 or instructor permission.

Inquiry into the institutions engaged in the movement of goods and services from producers to consumers. Primary emphasis on basic marketing with a managerial approach. Required for business management. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

BA 258 **5 Credits**
Principles of Management

Prerequisites: READ 090; ENGL 095 or instructor permission.

A study of leadership and executive behavior and how to develop a successful leadership style. Employee motivation, managerial environment, planning, controlling, and organizing are also studied. A "systems" approach to management is emphasized. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

BA 281 **5 Credits**
Client-Customer Relations

Prerequisites: CIS 102, CIS 130, and CIS 161; or comprehensive experience using computers and instructor permission.

This course provides the general principles of customer service within a technical environment. Topics include internal/external customer relationships, best practices, and verbal and non-verbal communications skills. Designed to be "how to" oriented, the course uses lectures and exercises to provide students specific techniques they can use to acquire and demonstrate business skills, soft skills, and self-management skills. The course also describes the "bigger picture" benefits of acquiring and demonstrating those skills. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

BUS& 101 (was BA 101) **5 Credits**
Introduction to Business

Prerequisites: Math 060 and READ 080 or instructor permission.

Introduction to Business is a general course designed to provide an understanding of how the American business system operates and its place in the economy. The course provides background for more effective and better use of business services in personal affairs as well as foundation for future courses in various business programs. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

BUS& 201 (was BA 201) **5 Credits**
Business Law

Prerequisite: READ 080 or instructor permission.

A study of the United States legal system, institutions and processes. Principles of the law of contracts, sales, property, negotiable instruments, secured transactions, agency and business organizations. Includes legal reasoning. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

Business

Carpentry
Technology**Carpentry Technology****CARP 101** **5 Credits**
Trim Carpentry I

Prerequisites: Placement in MATH 060 and ENGL 060; and instructor permission.

Study of basic trim and finish carpentry concepts, principles, laminating, casework, anchoring devices, construction techniques in these fields and material estimating. Emphasis is on the proper use and safety of hand, power and stationary tools. 1 lecture hour; 8 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CARP 102 **5 Credits**
Trim Carpentry II

Prerequisite: Completion of CARP 101 with a passing grade or instructor permission.

Study of cabinet design, application and installation, finish millwork, door and window installation, and shop safety. Students will plan, design and construct a project using all skills from previous trim carpentry coursework, including estimating all materials and costs. 1 lecture hour; 8 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CARP 103 **5 Credits**
Trim Carpentry III

Prerequisite: Completion of CARP 102 with a passing grade or instructor permission.

Students will build a planned project using trim carpentry skills and will learn to use jigs for multiple piece manufacturing. Emphasis will continue on shop safety practices. 1 lecture hour; 8 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CARP 111 **12 Credits**
Introduction to Carpentry

Prerequisites: Placement in MATH 060 and ENGL 060; and instructor permission.

Study of basic trade practices, labor organizations, employment opportunities, building codes, power tool and job safety, job-site participation in blueprint reading and building layout, material estimating and cutting of foundation forms and other structural members. Includes study of basic surveying and layout procedures using transit and levels. 5 lecture hours; 14 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CARP 112 **12 Credits**
Residential and Commercial Carpentry I

Prerequisite: Completion of CARP 111 with a passing grade or instructor permission.

Study of residential and commercial building types and designs. Job-site participation in framing walls, partitions, window and door openings for residential structures. Extensive use of hand and power tools with continued study of job-site safety. 5 lecture hours; 14 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CARP 113 **12 Credits**
Residential and Commercial Carpentry II

Prerequisite: Completion of CARP 112 with a passing grade or instructor permission.

Study of residential and commercial building types and designs. Field trips to building sites and materials manufacturers. Continued job-site participation in framing walls, partitions, and roof rafters and trusses. Continued emphasis on job-site safety. 5 lecture hours; 14 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CARP 211 **12 Credits**
Residential and Commercial Carpentry III

Prerequisite: Completion of CARP 113 with a passing grade or instructor permission.

Study of residential and commercial building types and designs. Job-site participation in installation of exterior walls and roof sheeting, hanging doors and windows, and installation of insulation. Continued emphasis on job-site safety with hand and power tool use. 5 lecture hours; 14 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CARP 212 **12 Credits**
Residential and Commercial Carpentry IV

Prerequisite: Completion of CARP 211 with a passing grade or instructor permission.

Study of residential and commercial building types and designs. Job-site participation in installation of exterior wall siding and roof covering. Layout, cutting and installation of stairs and landings. Continued emphasis on job-site safety. 5 lecture hours; 14 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CARP 213 **12 Credits**
Residential and Commercial Carpentry V

Prerequisite: Completion of CARP 212 with a passing grade or instructor permission.

Study of residential and commercial building types and designs. Field trips to building sites and materials manufacturers. Job-site participation in installation of sheetrock, interior and exterior trim and construction of decks and porches. Continued emphasis on job-site and shop safety. 5 lecture hours; 14 lab hours. Vocational program course. May be used as a general elective in the AA degree.

Chemistry

CHEM& 121 (was CHEM 101) 5 Credits **Introduction to Chemistry w/Lab**

Prerequisites: A grade of "C-" or better in MATH 095 or placement in MATH 098.

A survey of general chemistry principles and applications, including nuclear chemistry. This course is intended for students preparing for CHEM& 141, as well as for pre-allied health and natural resources students. This course, with CHEM& 131, constitutes a terminal sequence in chemistry and does not prepare one for advanced courses in the field. 4 lecture hours; 2 lab hours. Satisfies science or lab requirement area B distribution or specified elective for the AA degree.

CHEM& 131 (was CHEM 102) 5 Credits **Introduction to Organic/Biochemistry w/Lab**

Prerequisites: A grade of "C-" or better in CHEM& 121 or instructor permission.

A continuation of CHEM& 121. A survey of organic and biochemistry including hydrocarbons, alcohols, aldehydes and ketones, acids and their derivatives, carbohydrates, proteins, nucleic acids, lipids and metabolism. This course does not prepare a student for a second year of chemistry. 4 lecture hours; 2 lab hours. Satisfies science or lab requirement area B distribution or specified elective for the AA degree.

CHEM& 161 (was CHEM 111) 5 Credits **General Chemistry w/Lab I**

Prerequisites: One year of high school chemistry or CHEM& 121 and concurrent enrollment in MATH& 141 (or placement in MATH& 142).

For science, engineering and other majors who plan to take a year or more of chemistry courses. Principles of general chemistry including atomic structure and periodic properties, stoichiometry, chemical reactions, thermochemistry, and electronic structure. Laboratory work emphasizes the quantitative nature of these principles. 4 lecture hours; 3 lab hours. Satisfies science or lab requirement area B distribution or specified elective for the AA degree.

CHEM& 162 (was CHEM 112) 6 Credits **General Chemistry w/Lab II**

Prerequisites: A grade of "C-" or better in both CHEM& 161 and MATH& 141 (or placement in MATH& 142).

A continuation of general chemistry including bonding and molecular structure, states of matter, solutions, kinetics, equilibria, and acids and bases. Laboratory work includes elementary quantitative analysis. 4 lecture hours; 4 lab hours. Satisfies specified elective requirement for the AA degree.

CHEM& 163 (was CHEM 113) 6 Credits **General Chemistry w/Lab III**

Prerequisites: A grade of "C-" or better in CHEM& 162.

A continuation of general chemistry including thermodynamics, electrochemistry, nuclear chemistry, descriptive chemistry of the elements, and fundamentals of organic chemistry. Laboratory work includes qualitative analysis. 4 lecture hours; 4 lab hours. Satisfies specified elective requirement for the AA degree.

CHEM& 261 (was CHEM 231) 6 Credits **Organic Chemistry w/Lab I**

Recommended Preparation: CHEM& 163.

Prerequisites: A grade of "C-" or better in CHEM& 162.

This course is designed as the first of a three-quarter sequence of organic chemistry for majors in physical and biological sciences and for pre-professional students. Structure, nomenclature, reactions and synthesis of hydrocarbons and their monofunctional derivatives are covered. 3 lecture hours; 6 lab hours. Satisfies specified elective requirement for the AA degree.

CHEM& 262 (was CHEM 232) 6 Credits **Organic Chemistry w/Lab II**

Prerequisites: A grade of "C-" or better in CHEM& 261 or instructor permission.

This course is a continuation of CHEM& 261. Structure, nomenclature, reactions and synthesis of aldehydes, ketones and aromatic compounds. Grignard synthesis of alcohols. Free radical reactions. 3 lecture hours; 6 lab hours. Satisfies specified elective requirement for the AA degree.

CHEM& 263 (was CHEM 233) 3 Credits **Organic Chemistry w/Lab III**

Prerequisites: A grade of "C-" or better in CHEM& 262 or instructor permission.

This course is a continuation of CHEM& 262 for students desiring three quarters of organic chemistry. FMO theory, nonclassical carbocations, heterocycles, rearrangements, amino acids, lipids, carbohydrates, proteins and nucleic acids. 3 lecture hours; 2 lab hours. Satisfies specified elective requirement for the AA degree.

Chemistry

Computer Aided Design

Computer Information Systems

Computer Aided Design

CAD 105 **5 Credits**

AutoCAD I

This course introduces computer-aided drafting using AutoCAD 2005 and examines the hardware that makes up a CAD workstation. It also covers the operating system that enables the equipment to function as a unit. The course shows how to use AutoCAD to set up drawings and add lines, circles, arcs, other shapes, geometric constructions, and text. Students will use display and editing techniques to obtain information about their drawings and work with drawing files. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CAD 106 **5 Credits**

AutoCAD II

Prerequisite: CAD 105 or instructor permission.

This course will focus on intermediate and advanced functions of AutoCAD 2005 and its application to the basic drafting disciplines. Students will work with blocks, w-blocks, xref drawings, dimensioning, paper/model space, and be introduced to 3D modeling techniques. The course will focus on producing industry standard drawings for mechanical, architectural and civil drafting. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CAD 107 **5 Credits**

AutoCAD III

Prerequisite: CAD 106 or instructor permission.

This course is a continuation of the AutoCAD 2005 series and builds on the knowledge that the student has acquired in CAD 105 and CAD 106. It expands the concepts and use of AutoCAD 2005 into 3D drawing, solid modeling, surface modeling and rendering. Students will learn about Isometric drawings, using point filter, 3D revolutions, and 3D primitives. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

Computer Information Systems

CIS 100 **2 Credits**

Introduction to Personal Computers

This is a basic computer literacy course designed to provide a beginning level of competency in using personal computers as productivity tools. Hardware and software components will be introduced, and students will learn the purpose and uses of operating systems and of word processing with Word. This course is graded Pass/Fail. 1 lecture hour; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 101 **2 Credits**

Keyboarding

This course is designed to teach students the touch system in using the computer keyboard. 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 102 **3 Credits**

Microcomputer Applications

Recommended Preparation: CIS 100 and CIS 101 or concurrent enrollment.

Prerequisite: READ 080.

This course introduces computer systems with emphasis on applications. Students will work with various applications including electronic spreadsheets, word processing and presentation software. 2 lecture hours; 2 lab hours. Satisfies specified elective requirement for the AA degree.

CIS 110 **5 Credits**

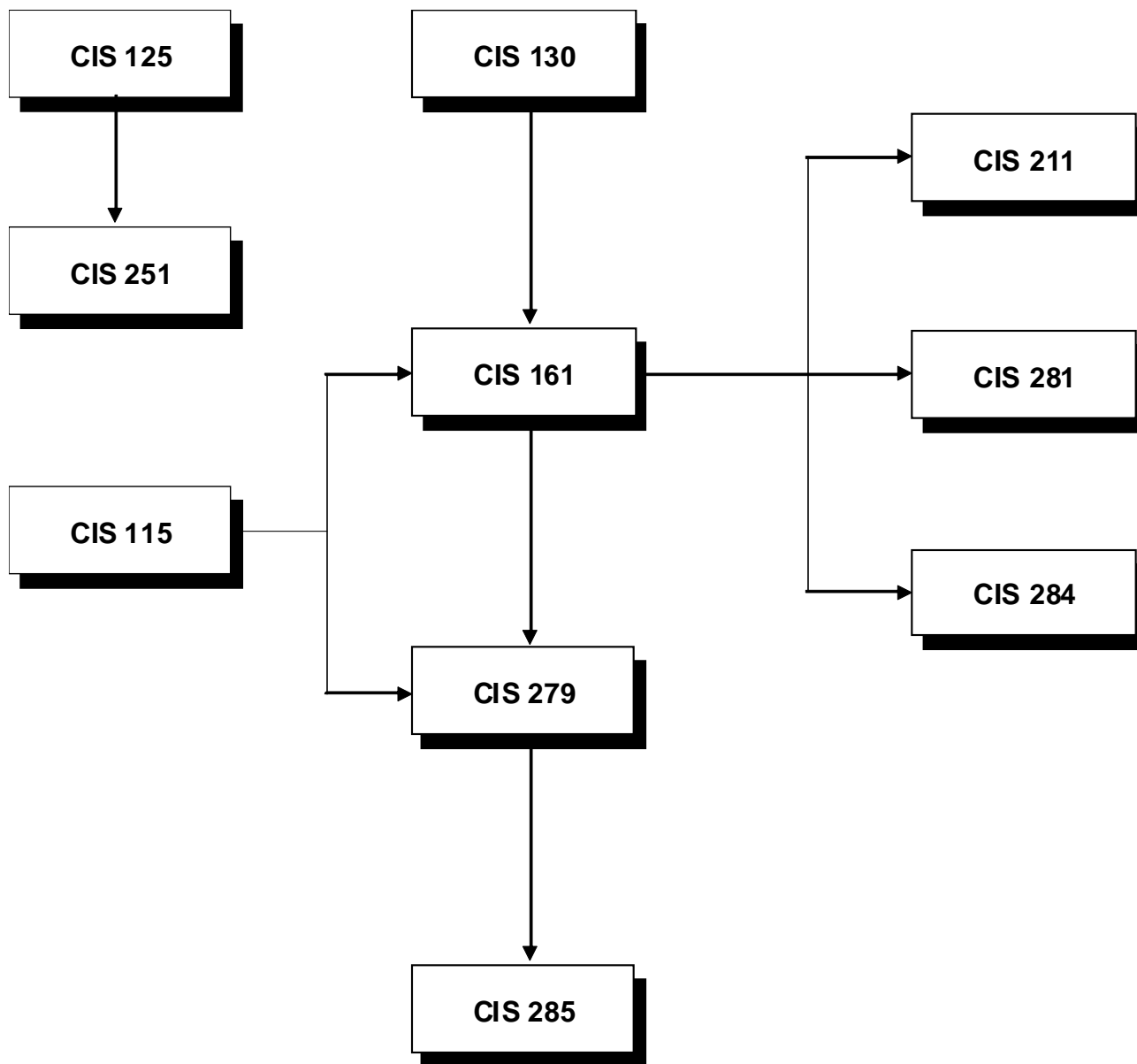
Introduction to Programming

Prerequisites: MATH 098 or placement in MATH & 107 or higher; CIS 102 or concurrent enrollment; access to a computer capable of running the working edition of VB included with textbook. Basic knowledge of using computers (saving and copying files, using email).

This course is designed to introduce students to computer programming. While Visual Basic is used as the programming language, the focus of the course is on general programming techniques and concepts that apply to most programming languages. Topics include: the event-driven program model, developing single-form applications, calculations and data manipulation, decision structures, repetition structures, procedures and functions. Students will design, code and debug programs of increasing complexity during the course. 4 lecture hours; 2 lab hours. Satisfies specified elective requirement for the AA degree.

Prerequisites for Computer Information Systems (CIS) Courses

All CIS courses numbered above CIS 102 require successful completion of CIS 102.



Please see course descriptions for details.

Computer
Information
Systems**CIS 115** **5 Credits**
CISCO Internetworking I

Prerequisites: CIS 130; CIS 161 or instructor permission.

Networking Basics is the first of the four courses leading to the CISCO Certified Network Associate (CCNA) certification. CCNA I introduces CISCO Networking Academy Program students to the networking field. The course focuses on network terminology and protocols, local-area networks (LANs), wide-area networks (WANs), Open System Interconnection (OSI) models, cabling, cabling tools, routers, router programming, Ethernet Internet Protocol (IP) addressing, and network standards. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 116 **5 Credits**
CISCO Internetworking II

Prerequisite: Grade of 80% in the class and final in CIS 115 (CISCO Internetworking I).

Router and Routing Basics is the second of four CCNA courses leading to the CISCO Certified Network Associate (CCNA) certification. This course focuses on initial router configuration, CISCO IOS Software management, routing protocol configuration, TCP/IP, and access control lists. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 117 **5 Credits**
CISCO Internetworking III

Prerequisite: Grade of 80% in the class and final in CIS 116 (CISCO Internetworking II).

Switching Basics and Intermediate Routing is the third of four courses leading to the CISCO Certified Network Associate (CCNA) certification. The course focuses on advanced IP addressing techniques (Variable Length Subnet Masking [VLSM]), intermediate routing protocols (RIP v2, single-area OSPF, EIGRP), command-line interface configuration of switches, Ethernet switching, Virtual LANs (VLANs), Spanning Tree Protocol (STP), and VLAN Trunking Protocol (VTP). 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 118 **5 Credits**
CISCO Internetworking IV

Prerequisite: Grade of 80% in the class and final in CIS 117 (CISCO Internetworking III).

WAN Technologies is the last of four courses leading to the CISCO Certified Network Associate (CCNA) certification. The course focuses on advanced IP, addressing techniques (Network Address Translation [NAT], Port Address Translation [PAT], and DHCP), WAN technology and terminology, PPP, ISDN, DDR Frame Relay, network management and introduction to optical networking. In addition, the student will prepare for taking the CCNA Exam. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 125 **5 Credits**
Internet Fundamentals

Prerequisite: CIS 102 with a grade of "C" or better or demonstrated proficiency using Windows XP measured by the ability to use the command line and Windows Explorer to locate, create, and manipulate folders and files; or instructor permission.

The goal of this course is to provide an introduction to Web Browsers, E-mail clients and Basic HTML. This course prepares students to work with and understand the basic concepts and terminology associated with the tools we use today when working with the Internet. Students will learn how to use and configure a web browser, how to use e-mail and finally how to be able to put together a basic web page using HTML tags. Optional lab components will be used to enhance student learning. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 130 **5 Credits**
Personal Computer Operating Systems

Prerequisite: CIS 102 or instructor permission.

This course provides an overview of computer operating systems. Topics covered will include function, structure, installation, configuration, troubleshooting, file management and other OS features. Students will learn to assess the system and make uses of its resources, applications and utilities. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 131 **5 Credits**
Access

Prerequisite: CIS 102 or instructor permission.

This course teaches basic electronic database capabilities. The course emphasizes the skills necessary to create, edit and utilize a database. Filters, forms, queries and reports are covered. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 140 **5 Credits**
Word Processing Applications

Prerequisite: CIS 102 or instructor permission.

This course provides thorough coverage of text editing and formatting using word processing software. Tables, columns, styles, graphics, merge operations, and basic web design are covered. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 141 **2 Credits**
PowerPoint

Prerequisite: CIS 102 or instructor permission.

Students learn and apply intermediate and advanced features of Microsoft PowerPoint to create and modify presentations by customizing the color schemes; adding charts, diagrams, and graphs; importing Word and Excel documents; adding links and animation; and creating self-running presentations. 1 lecture hour; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 150 **5 Credits**
Excel

Prerequisites: MATH 093; CIS 102 or instructor permission.

This course teaches electronic spreadsheet capabilities in realistic private or business related problems. The course emphasizes the skills necessary to create, modify and print a worksheet and includes the use of functions, graphics, data lists, and other enhancements. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 161 **5 Credits**
**Hardware & Software Installation/
Configuration & Upgrade**

Prerequisite: CIS 130 or instructor permission.

This is the first in a two course series that provides students with "hands-on" experience in installing microcomputer hardware and software. Students will learn to diagnose and resolve most computer problems, increase PC performance, and provide for cost-effective and efficient maintenance schedules for PCs. 3 lecture hours; 4 lab hours. A vocational program course. May be used as a general elective in the AA degree.

CIS 162 **5 Credits**
**Computer Diagnostics/Troubleshooting/
Customer Support**

Prerequisite: CIS 161 with a grade of "C" or better or instructor permission.

This course is a continuation of CIS 161. It looks at more advanced issues of computer diagnostics and repair including network maintenance and configuration (both software and hardware). In addition to the text, online resources and reference manuals will be utilized for troubleshooting hardware and software problems. Advanced diagnostic and repair techniques will be covered. The class will also focus on the human side of computer maintenance and customer service. In addition to advanced repair techniques, the course will look at effectively assisting users and organizations with their technology needs. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 211 **5 Credits**
Technical Support

Prerequisites: CIS 102, CIS 130, and CIS 161; or comprehensive experience using computers and instructor permission.

This class will prepare students to provide technical support to computer users. The skills taught will include diagnosing problems, researching solutions, meeting user needs, developing training materials, and giving workshops and lessons. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 251 **5 Credits**
Management Information Systems

Prerequisites: BA 104 or MATH & 107 or higher; CIS 125 or instructor permission.

Elements of information processing systems are covered with emphasis on design, development and management of computer-based information systems. Extensive use of online activities will be utilized. The course looks at how a modern organization collects, distributes, organizes and manages information. The approach will be sociotechnical, i.e. both technical and behavioral considerations will be examined. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

**Computer
Information
Systems**

Computer
Information
Systems**CIS 270** **5 Credits****Networking Essentials**

Prerequisite: CIS 161 with a grade of "C" or better.

This course will introduce students to the concepts associated with computer networks. Primary focus will be on the physical layer of the OSI model, network theory and terminology. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 276 **5 Credits****TCP/IP and Internetworking**

Prerequisite: CIS 270 with a grade of "C" or better or instructor permission.

This course will help students learn how the Transport layer bridges the gap between network-specific processes and local computer-specific processes. They will also learn basic functions of the major protocols that make up the TCP/IP protocol suite. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 279 **5 Credits****Network Client and Server Administration**

Prerequisite: CIS 115 or CIS 270 with a grade of "C" or better or instructor permission.

This course will cover how to plan and implement a network using different server platforms and clients. Focus will be on implementing and configuring Network Operating Systems. Students will also be introduced to network design concepts and troubleshooting skills as they pertain to the different NOS. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 280 **5 Credits****Network Connectivity Essentials**

Prerequisites: CIS 276 and CIS 279 with a grade of "C" or better or instructor permission.

This course will provide students with the opportunity to learn about the characteristics of Transport services/processes within the Network. Students will learn how to choose and configure connectivity devices (Bridges, Switches, Repeaters, and Routers) in order to enhance network performance. Primary focus of this course will be on the upper layers of the OSI model and network connectivity theory and terminology. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 282 **5 Credits****Network Security/Troubleshooting Issues**

Prerequisites: CIS 276 and CIS 279 with a grade of "C" or better or instructor permission.

This course provides students an opportunity to develop the knowledge and skills necessary in providing security on a network that incorporates remote access to a LAN. Topics will range from dealing with hardware or software failures that cause security breaches to learning how to install, maintain and troubleshoot common network security software and hardware devices. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 284 **5 Credits****Using and Supporting Linux**

Prerequisites: CIS 102, CIS 130, and CIS 161; or comprehensive experience using computers and instructor permission.

This course is intended for those wanting to understand what Linux/Unix is and how to use it. Students will gain a technical overview of Linux/Unix by building a knowledge and understanding through hands-on experiences. The topics covered will include basic commands and system structures; system tools; output redirection; command line text editing, e-mail and system calls; file system basics; and, basic shell scripting. This course is designed to provide a solid foundation on which students will build their knowledge of the Linux/Unix operating systems. The course material is intended to prepare students for use of most Linux/Unix systems and as a foundation for numerous Linux/Unix certification programs. Specifically, it will help prepare students for the CompTIA Linux+ Certification exam if they so desire. 3 lecture hour; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 285 **5 Credits****Current Topics in Networking Administration**

Prerequisite: CIS 279 with a grade of "C" or better or instructor permission.

Designed to respond to the rapidly changing field of Information Technology. This course will cover topics such as designing a technical support infrastructure and designing and building the underlying processes to enhance troubleshooting in a communications network. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

Computer Science

COMSC 209 5 Credits

Introduction to Programming

Prerequisite: MATH& 141.

For freshmen or sophomore computer science or engineering students. This course provides an introduction to the logical structure of the digital computer and the use of operating systems, text editors, and programming language compilers. Algorithm development and flowcharting will be used to develop problem-solving skills. Laboratory work will emphasize correct syntax and structured programming techniques using a high-level programming language. 4 lecture hours; 2 lab hours. May be used as a general elective in the AA degree.

Criminal Justice

CJ& 101 (was CJUS 101) 5 Credits

Introduction to Criminal Justice

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120 or instructor permission.

A survey of the historical development of the criminal justice system to present-day practices. This course studies the development of the police, courts and correctional agencies in meeting the demands society has placed on them. Students will explore career opportunities at the federal, state and local levels. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

CJ& 106 (was CJUS 106) 5 Credits

Juvenile Justice

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120 or instructor permission.

This course will examine how the juvenile justice process has evolved and expanded as society has sought to understand, control and influence change in the delinquent behavior of children and youth. CJ& 106 will examine the attitudes of and crimes committed by juvenile offenders, the juvenile legal system, and the response by police, courts and juvenile corrections. 5 lecture hours. Satisfies social science distribution area C requirement or serves as a specified elective in the AA degree.

CJ& 112 (was CJUS 206) 5 Credits

Criminology

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120 or instructor permission.

An in-depth look at the causes of crime and the people who are committing them. Crime trends will be examined and students will become familiar with intervention techniques and methods to reduce criminal activity. Students will research crime trends and prevention strategies of local communities. 5 lecture hours. Satisfies social science distribution area C requirement or may be used as a specified elective in the AA degree.

CJUS 102 5 Credits

Law and Society

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120 or instructor permission.

Laws affect each and every one of us, impacting both our public and private lives from birth until our death. This course has been designed to provide each student with a basic knowledge and understanding of how the law controls each person's actions, what rights the individual has under our laws, and how laws are introduced and changed. Law is a system of social thought and behavior, and provides the framework within which our disputes are resolved. Law and Society will examine the impact that constitutional law, administrative law, criminal law, civil law, and family law have on the individual. Same as POL S 102. Students may not receive credit for both. 5 lecture hours. Satisfies social science distribution area B requirement or as a specified elective in the AA degree.

CJUS 104 5 Credits

The Line Officer Function: Police & Corrections

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120 or instructor permission.

An in-depth look at the basic duties and functions of police officers and correctional officers in cities and counties throughout the nation. Students will examine the responsibilities of the police and corrections from violator contact and arrest, through the court process. Discussions will focus on police encounters with the public, and the methods used by correctional officers in their dealing with prisoners. Emphasis will be placed on the impact that police and corrections have on our community today. 5 lecture hours. May be used as a general elective in the AA degree.

Computer Science

Criminal Justice

Criminal Justice

Diesel Technology

CJUS 110 5 Credits

Law and Justice

Recommended Preparation: ENGL 095 or placement in ENGL& 101.

Law and Justice will examine the basic trends in law and the social changes made within our communities. The focus will be the study and analysis of the concepts of family law, labor-relations law, welfare law, and civil rights laws as they impact each and every one of us. Same as POL S 110; students may not receive credit for both. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

CJUS 151 5 Credits

Drugs and Our Society

Recommended Preparation: Placement in ENGL 095.

This class is designed to give students a basic understanding of all classifications of drugs. Topics to be covered include the biology of drug action, effects of drugs on the body, dependence and treatment, alternatives to drug use, and drugs and the law. Types of drugs discussed will range from prescription drugs, to alcohol, to illegal drugs, and over-the-counter drugs. Same as HPE 151; students may not receive credit for both. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

CJUS 201 5 Credits

The Art of Public and Private Investigation

Prerequisite: CJ& 101 or instructor permission.

Students will gain an understanding of the need for investigative services and how they impact our present-day society. The investigative techniques used by police, correctional investigators, juvenile officers, probation and parole, state agency investigators, and private investigators will be examined. Students will become aware of sources for information and the scientific aids that are available to assist in case completion. Investigation theories will be examined and students will become familiar with the process of scientific reasoning. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

CJUS 204 5 Credits

Introduction to Public Administration

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120 or instructor permission.

This course will provide students with a basic knowledge of administrative functions within the public service. We will address concerns within the management of public programs found at all levels of government: federal, state, and local. Students will examine the work of public administrators in various aspects of organizations, from the Internal Revenue Service to the public works department in a city or county government. Students will become aware of the political and historical context within which public organizations operate, and their commitment to public service. 5 lecture hours. May be used as a specified elective in the AA degree.

CJUS 258 1-5 Credits

Criminal Justice Internship

Prerequisites: CJ& 101; CJUS 102 or instructor permission. Interns must also meet the requirement set forth by the agency selected.

On-the-job training experience within a criminal justice agency. Interns work from 55 to 250 hours with or without remuneration. Vocational program course. May be used as a general elective in the AA degree.

Diesel Technology

DT 121 16 Credits

Introduction to Diesel Technology

Prerequisite: Placement in MATH 060 and ENGL 060; and instructor permission.

A lecture-lab course to provide an introduction to safe shop work practices, work ethics, basic tool use, and introduction to basic mechanical tasks. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

DT 122 16 Credits

Intermediate Diesel Technology

Prerequisite: Completion of DT 121 with a grade of "C" or better.

A lecture-lab course to build upon skills learned in DT 121. The course promotes work habits and safe work practices. Training increases skills and expands tasks learned in DT 121. Projects are completed to industry standards. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

DT 123 16 Credits**Advanced Diesel Technology**

Prerequisite: Completion of DT 122 with a grade of "C" or better.

A lecture-lab course to build upon skills learned in DT 122. This course continues to promote work habits and safe work practices. Advanced Diesel Technology projects are completed to industry standards. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

DT 221 16 Credits**Diagnostics, Testing and Repair**

Prerequisite: Completion of DT 123 with a grade of "C" or better.

A lecture-lab course to build upon skills learned in DT 121 through DT 123. Individual projects are assigned that will challenge the student and expand upon the skills learned in DT 121 through DT 123 and introduces diagnostics, testing, and problem solving to the student. Individual projects are completed to industry standards. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

DT 222 16 Credits**Advanced Diagnostics, Testing and Repair**

Prerequisite: Completion of DT 221 with a grade of "C" or better.

A lecture-lab course to build upon skills learned in DT 121 through DT 221. This course will see Advanced Individual Projects assigned to students that will emphasize diagnostics, testing, and problem solving by the student and will replicate, as close as possible, real world shop conditions for the student to work in. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

DT 223 16 Credits**Certification and Testing**

Prerequisite: Completion of DT 222 with a grade of "C" or better.

A lecture-lab course to build upon and confirm the diesel mechanics skills learned in DT 121 through DT 222. Course covers selected industry certification test requirements, procedures, and standards. Successful students will practice and pass selected ASE certification tests. Testing fees may apply for each certification test. Course includes a written and performance capstone exam to ensure retention of competency in previous Diesel Technology program course topics. 8 lecture hours; 16 lab hours.

Vocational program course. May be used as a general elective in the AA degree.

Early Childhood Education**ECE 101 2 Credits****Introduction to Childcare**

This course provides a foundation for learning within the first six months of employment in the ECE field and covers these basics: optimal child growth and development, child guidance and health and safety in ECE settings. 2 lecture hours. May be used as a general elective in the AA degree.

ECE 103 3 Credits**Guiding the Behavior of Young Children**

Prerequisite: EDUC& 114.

Our environment and our interactions with each other impact our lives from the time we are born until we die. Becoming aware, understanding and applying the foundational elements of guidance will not only impact our relationships with young children but with all people whom we come in contact with throughout our lives. This course explores the observation of human behavior and the interpretations of meaning. We will examine issues of cultural relevancy, impacts of oppression, personal history, and preferences surrounding our approach to guidance. Additionally, we will attempt to discover possible responses to varying perceived situations by becoming aware of how our values impact relationships and inform our work with young children. 3 lecture hours. May be used as a general elective in the AA degree.

ECE 111 3 Credits**Methods of Curriculum Care**

Curriculum development is designed to introduce students to the elements of planning. Emphasis is on integrating a variety of methods, materials, and activities into curriculum plans meeting the needs of young children. 3 lecture hours. May be used as a general elective in the AA degree.

ECE 112 3 Credits**Health, Nutrition and Safety for Young Children**

This course helps students understand factors contributing to the health of young children. It assists students' development of skills necessary to promote health, safety and good nutrition in ECE environments. 3 lecture hours. May be used as a general elective in the AA degree.

Diesel Technology

Early Childhood Education

Early Childhood
Education

ECE 113 **3 Credits**

Family Dynamics and Culture

ECE teachers understand families as the primary context of child learning and development. This course teaches students to understand, respect and deal with the diversity in family structure and values as they impact the professional ECE environment. The course considers issues and social impacts which can affect child behavior and learning in an ECE environment. 3 lecture hours. May be used as a general elective in the AA degree.

Earth Science

ECE 114 **3 Credits**

Issues and Trends in ECE

This course helps students explore, understand and analyze issues and challenges in ECE as they affect the education and care needs of preschool age children. The course will survey the scope, depth and breadth of the field as these issues impact teaching and care giving for young children in an ECE environment. 3 lecture hours. May be used as a general elective in the AA degree.

Economics

Education

EDUC& 114 (was ECE 102) **3 Credits**

Child Development

Child Growth and Development from birth to age six including the physical, emotional, cultural, cognitive and creative age-related changes with a focus on the development of a sense of self. 3 lecture hours. May be used as a general elective in the AA degree.

Earth Science

EARTH 102 **5 Credits**

Earth Science

Recommended Preparation: ENGL 095 or placement in ENGL& 101.

Prerequisite: MATH 095 or placement in MATH 098.

This course provides an introduction to the Earth and the processes that shape our planet. A major theme of the course is how different aspects of the Earth system interact with each other. Selected topics in four basic areas: astronomy, oceanography, meteorology, and geology, and their relation and interaction with the Earth system will be explored. 5 lecture hours. Satisfies science distribution area D requirement or specified elective for the AA degree.

Economics

ECON 100 **5 Credits**

Introduction to Economics

Prerequisites: MATH 060; READ 080 or instructor permission.

This course is designed to introduce economics and the economic approach to the problems created by scarcity. Specifically, the course will be “economics for non-majors: fundamental concepts of economic analysis with application to contemporary problems.” The student should learn what a market system is and how it has come to be the predominate economic system. 5 lecture hours. Satisfies social science distribution area B requirement or specified elective for the AA degree.

ECON& 201 (was ECON 201) **5 Credits**

Micro Economics

Prerequisite: ECON& 202 or instructor permission.

An introduction to microeconomics. A study of the decision-making processes of individual economic units including businesses and consumers. Basic theoretical tools are applied to problems of current interest. 5 lecture hours. Satisfies social science distribution area B requirement or specified elective for the AA degree.

ECON& 202 (was ECON 200) **5 Credits**

Macro Economics

Prerequisites: MATH 060; READ 080 or instructor permission.

A macroeconomic study of the U.S. economy as a system for solving the fundamental problems of how a society uses its material resources. Emphasis is given to national income, inflation, unemployment, international trade, business cycles, and the monetary system. 5 lecture hours. Satisfies social science distribution area B requirement or specified elective for the AA degree.

Education

EDUC 196 **3 Credits**

Beginning Sign Language I

This course teaches students to communicate with the deaf. Students will learn the skills of sending and receiving the alphabet, numbers, basic sentences and conversation. Beginning skills are introduced in EDUC 196 and further developed in EDUC 197 and 198. 3 lecture hours. Satisfies general elective requirement for the AA degree.

EDUC 197 **3 Credits**
Beginning Sign Language II

Prerequisite: EDUC 196 or instructor permission.

A continuation of EDUC 196. 3 lecture hours. Satisfies general elective requirement for the AA degree.

EDUC 198 **3 Credits**
Beginning Sign Language III

Prerequisite: EDUC 197 or instructor permission.

A continuation of EDUC 197. 3 lecture hours. Satisfies general elective requirement for the AA degree.

EDUC 201 **5 Credits**
Introduction/Orientation to Teaching

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120 or instructor permission.

Designed as a course for the student interested in a teaching career. Examines the qualities of good teachers, basic teaching skills, the rewards and responsibilities of teaching, the history and philosophy of teaching, and current innovations in teaching. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

EDUC 202 **3 Credits**
Education Practicum

Prerequisite: EDUC 201 or instructor permission.

This course is designed to give the student an opportunity to learn about schools and teachers. It provides early field experiences and related seminar discussions. Observation hours are flexible, but students should be available for periodic seminars. 1 lecture hour; 6 clinical hours. Satisfies specified elective requirement for the AA degree.

English

ENGL 060 **5 Credits**
English Language Study

Recommended Preparation: CIS 100 or CIS 101 or concurrent enrollment.

Prerequisite: Placement in ENGL 060 or instructor permission.

ENGL 060 is a basic composition course designed to develop those writing/sentence skills necessary in both everyday writing and subsequent college writing through classroom exercises, group problem-solving, and short writing assignments. Skills gained in this course should help students improve their ability to perform such tasks as writing short-answer tests, brief responses to readings, and brief papers. Designed as preparation for ENGL 095. 5 lecture hours.

ENGL 095 **5 Credits**
Writing Fundamentals

Prerequisite: Appropriate English placement score or a grade of "C-" or better in ENGL 060.

ENGL 095 is a developmental course that focuses on a review of writing fundamentals including organization, sentence structure and usage, vocabulary, spelling, and grammar. Writing assignments are generally limited to the paragraph. Skills gained in this course should help students improve their ability to write logically developed short-essay tests and brief, formal summaries and reports. 5 lecture hours.

ENGL 150 **5 Credits**
Vocational/Technical and Business Writing

Recommended Preparation: Competency in basic computer operation or concurrent enrollment in CIS 100.

Prerequisite: Appropriate English placement score or a grade of "C-" or better in ENGL 095.

This course is designed for both vocational/technical and business students. It emphasizes written and oral communication required in the world of work. Major topics include business letters and memorandums, formal and informal reports, computer graphics, basic principles of technical writing, and oral presentations. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

Education

English

English

ENGL 241 **2 Credits****Fiction Writing**

Recommended Preparation: A grade of “C-” or better in ENGL 095 or placement in ENGL& 101.

This course emphasizes the various concerns surrounding the understanding and creation of the short story. Topics addressed in the course include the processes of drafting and revision, analysis of literary style and technique, and methods of offering and accepting constructive criticism. Students are expected to submit original manuscripts for workshop critique during the course of the quarter. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

ENGL 242 **2 Credits****Poetry Writing**

Recommended Preparation: A grade of “C-” or better in ENGL 095 or placement in ENGL& 101.

This course emphasizes the various concerns surrounding the understanding and creation of poetry. Topics addressed in the course include the processes of drafting and revision, analysis of literary style and technique, and methods of offering and accepting constructive criticism. Students are expected to write a variety of poetic exercises, as well as submit original manuscripts for workshop critique, during the course of the quarter. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

ENGL 243 **2 Credits****Playwriting**

Recommended Preparation: A grade of “C-” or better in ENGL 095 or placement in ENGL& 101.

This course emphasizes the various concerns surrounding the understanding and creation of the one-act play. Topics addressed in the course include the processes of drafting and revision, analysis of literary style and technique, and methods of offering and accepting constructive criticism. Additionally, the collaborative nature of playwriting, as compared to writing fiction or poetry, will be addressed; a play is not complete until the writer has involved others in the creative process. The student is expected to submit original manuscripts during the quarter. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

ENGL 252 **5 Credits****Survey of World Literature**

Prerequisite: A grade of “C-” or better in ENGL& 101.

Survey of World Literature covers literary selections from a wide variety of the world’s cultures. Specifically, it addresses stories, poems and plays from Africa, Asia, the Americas, Europe and the Middle East. It also covers literary genre, critical methodologies, research, and critical thinking. 5 lecture hours. Satisfies humanities distribution area D requirement or specified elective requirement for the AA degree.

ENGL 253 **5 Credits****Multicultural Literature in America**

Prerequisite: A grade of “C-” or better in ENGL& 101.

This course is an introduction to the cultural diversity of American literature. Celebrating the rich variety of American voices, the course will focus on the literary contribution of African Americans, Asian Americans, Chicanos/Latinos, European Americans, and Native Americans. It will introduce the literary genres of poetry, fiction, drama, and essay as it explores the diverse cultural heritage, currents, perspectives, and issues that have shaped the consciousness of the United States. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

ENGL 263 **5 Credits****Survey of British Literature**

Prerequisite: A grade of “C-” or better in ENGL& 101.

A history of British literature covering the Anglo-Saxon period to the early Twentieth Century and with emphasis on the reactions of literature to the social and political movements and some study of literary forms. Recommended as an introduction to advanced courses in English literature. 5 lecture hours. Satisfies humanities distribution area D requirement or specified elective for the AA degree.

ENGL& 101 (was ENGL& 101) **5 Credits****English Composition I**

Prerequisite: Appropriate English placement test score or a grade of “C-” or better in ENGL 095.

ENGL& 101 emphasizes the basic rhetorical principles and development of expository and argumentative prose. Included is an introduction to the research methods necessary for evidence-backed writing. Skills gained in this course should help students improve their performance of such tasks as writing for a variety of purposes and audiences, as well as writing informative and persuasive essays and research-backed reports, projects and papers. 5 lecture hours. Satisfies writing skills requirement for the AA degree.

ENGL& 102 (was ENGL 201) 5 Credits
English Composition II

Prerequisite: A grade of "C-" or better in ENGL& 101.

ENGL& 102 is a continuation of writing skills practiced in ENGL& 101 directed towards writing expository/argumentative and critical/analytical themes focusing on literature. The course also continues the instruction of research methods begun in ENGL& 101, emphasizing the preparation of a research paper. Skills gained in this course should improve students' performance in such tasks as writing for various purposes and audiences, writing critically and analytically in a variety of settings and creating formal, written research projects. 5 lecture hours. Satisfies writing skills requirement for the AA degree.

ENGL& 220 (was ENGL 270) 5 Credits
Shakespeare

Prerequisite: A grade of "C-" or better in ENGL& 101.

An introduction to the comedies, the histories and the tragedies, this course emphasizes development of the analytical skills necessary to read, write, speak, and think critically about the meaning and dramatic effect of Shakespeare's plays. Additionally, attention is given to understanding the plays within the context of early modern history and culture. 5 lecture hours. Satisfies humanities distribution area D requirement or specified elective for the AA degree.

ENGL& 235 (was ENGL 250) 5 Credits
Technical Writing

Recommended Preparation: Competency in basic computer operation or concurrent enrollment in CIS 100.

Prerequisite: A grade of "C-" or better in ENGL& 101.

This course emphasizes techniques of technical writing and the preparation of informal and formal technical reports commonly found in vocational, technical, and business environments. 5 lecture hours. Satisfies writing skills requirement for the AA degree.

ENGL& 240 (was ENGL 266) 5 Credits
Introduction to American Literature

Prerequisite: A grade of "C-" or better in ENGL& 101.

Course readings reflect our diverse national experience during the past two centuries. Authors are selected to highlight peculiarly American themes, forms and cultural conflicts. Fiction, poetry, drama and nonfiction prose are variously emphasized. Most recent emphasis: the tradition of American nature writing. 5 lecture hours. Satisfies humanities distribution area D requirement or specified elective for the AA degree.

English as a Second Language

ESL 011 1-25 Credits
ESLI

Non-transfer credit course in listening, speaking, reading and writing for limited English-proficient adults with a goal to improve English literacy who, at intake, score less than 181 on a CASAS test.

ESL 012 1-25 Credits
ESLII

Non-transfer credit course in listening, speaking, reading and writing for limited English-proficient adults with a goal to improve English literacy who, at intake, score 181-190 on a CASAS test.

ESL 013 1-25 Credits
ESLIII

Non-transfer credit course in listening, speaking, reading and writing for limited English-proficient adults with a goal to improve English literacy who, at intake, score 191-200 on a CASAS test.

ESL 014 1-25 Credits
ESLIV

Non-transfer credit course in listening, speaking, reading and writing for limited English-proficient adults with a goal to improve English literacy who, at intake, score 201-210 on a CASAS test.

ESL 015 1-25 Credits
ESLV

Non-transfer credit course in listening, speaking, reading and writing for limited English-proficient adults with a goal to improve English literacy who, at intake, score 211-220 on a CASAS test.

ESL 016 1-25 Credits
ESLVI

Non-transfer credit course in listening, speaking, reading and writing for limited English-proficient adults with a goal to improve English literacy who, at intake, score 221-235 on a CASAS test.

Entrepreneurship

ENTRE 130 5 Credits
The Entrepreneur

This course is the first in a series of three courses that utilizes NxLevel Training as the education and training model to teach entrepreneurship and business start-up skills. This course focuses on a personal business concept assessment. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

English

English as a
Second Language

Entrepreneurship

Entrepreneurship

ENTRE 131 **5 Credits**
Business Organization/Financial Management & Legal Structure

This course is the second in a series of three courses that utilizes NxLevel Training as the education and training model to teach entrepreneurship and business start-up skills. This course focuses on the topics of organizational structure, legal organizational form and financial record keeping fundamentals for a small business. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

Environmental Science

ENTRE 132 **5 Credits**
Writing a Business Plan

This course is the third in a series of three courses that utilizes NxLevel Training as the education and training model to teach entrepreneurship and business start-up skills. The focus of this course is to prepare and write a business plan. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

Film

Fisheries Technology

Fisheries Technology

FISH 121 **5 Credits**
Introduction to Fisheries Management

Prerequisite: ENGL 095 or placement in ENGL& 101; or instructor permission.
 This course is designed to acquaint students with contemporary fisheries management concepts and practices. Pacific Northwest commercial fishing methods, and economic aspects of the U.S. commercial fishing industry are discussed in detail. Students will gain an understanding of the concepts and applications of ecosystem management, biological diversity, the Endangered Species Act, and habitat restoration, as they apply to fisheries management. Guest speakers bring their work-related knowledge and experiences to the students. Scientific, administrative and enforcement personnel, along with commercial and recreational fishermen, are invited to discuss their fisheries management involvement with the students. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

Environmental Science

ENVS& 100 (was ENVIR 100) **5 Credits**
Survey of Environmental Science

Recommended Preparation: ENGL 095 or placement in ENGL& 101; placement in MATH 098.

A course addressing the nature of the physical environment and changes in the environment caused by people. Fundamental considerations of matter and energy are followed by studies of human population dynamics, food supplies, hazardous chemicals, air and water pollution, geological and energy resources, and problems associated with storing waste. 5 lecture hours. Satisfies science distribution area C requirement or specified elective for the AA degree.

FISH 122 **5 Credits**
Introduction to Aquaculture

Prerequisite: ENGL 095 or placement in ENGL& 101; or instructor permission.
 Introduction to aquaculture is the first course in the year-long aquaculture sequence. Lectures will focus on the history and theory of aquaculture as well as basic water quality, fish health and fish handling. Laboratory exercises will focus on the measurement of routine water quality parameters and basic fish handling and care. Students will also participate in a series of field trips that visit a variety of aquaculture facilities. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

Film

FILM 125 **5 Credits**
Film Interpretation

Recommended Preparation: ENGL& 101.
Prerequisites: ENGL 095 or placement in ENGL& 101.

Film interpretation is a survey course providing the student with a solid background in written, structural analysis and appreciation of film as an art form. All of the elements that make up the film experience are examined, including the contributions of producers, scriptwriters, directors, actors, cinematographers, editors and designers. 4 lecture hours; 2 lab hours. Satisfies humanities distribution area B requirement or specified elective for the AA degree.

FISH 215 **5 Credits**
Fish Biology

Prerequisite: ENGL 095 or placement in ENGL& 101; or instructor permission.
 Fish biology will discuss the basic physiological, anatomical and behavioral characteristics of a variety of fish species. Lectures will focus on the theoretical aspects of physiology, phylogeny, endocrinology and behavioral ecology. Laboratory exercises focus on fish taxonomy and anatomy. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

FISH 221 6 Credits**Biological Field/Laboratory Methods**

Prerequisites: MATH 098; CIS 102; ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120 or instructor permission.

Concepts and techniques used in natural resource surveys and research are presented in this “capstone” course. Experimental design; data collection; recording and analysis; statistical methods; and use of computers are emphasized. Training includes safety procedures, the use and care of biological sampling equipment, aquatic and marine field sampling, and laboratory bioassay procedures. Students will employ previously learned math, statistics, biology, technical writing, communications, computing and teamwork skills into their field and laboratory training. 3 lecture hours; 6 lab hours. Vocational program course. May be used as a general elective in the AA degree.

FISH 222 5 Credits**Advanced Aquaculture**

Prerequisites: FISH 122; MATH 095 or placement in MATH 098; ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120 or instructor permission.

Trout and salmon rearing including private and public hatchery operations, reproductive biology, artificial spawning, egg handling, incubation systems, loading capacity, feeding, nutrition, and fish diseases are covered. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

FISH 250 5 Credits**Sustainable Aquaculture**

Prerequisites: FISH 122; FISH 222; and ENGL 095 or placement in ENGL& 101; or instructor permission.

Sustainable Aquaculture is the final course in the year-long aquaculture sequence. Lectures will focus on the theory of salmonid culture and the culture of non-salmonid species (particularly shellfish) and the role of aquaculture in sustainable development. Laboratory exercises focus on the mastery of the final stages of salmonid culture (e.g., fish transport, net-pen rearing). Students will also participate in a series of field trips that visit a variety of aquaculture facilities. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

Foreign Languages**CHIN& 121 (was CHIN 125)** 5 Credits
Chinese I

Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.

This course is designed to provide students with elementary knowledge of spoken and written Chinese. The course will focus on speaking, listening, reading and writing skills. Additional attention is given to relevant topics in Chinese culture and history. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

CHIN& 122 (was CHIN 126) 5 Credits
Chinese II

Recommended Preparation: A grade of “C-” or better in CHIN& 121 or instructor permission.

A continuation of CHIN& 121. 5 lecture hours. Satisfies specified elective requirement for AA degree.

CHIN& 123 (was CHIN 127) 5 Credits
Chinese III

Recommended Preparation: A grade of “C-” or better in CHIN& 122 or instructor permission.

A continuation of CHIN& 122. 5 lecture hours. Satisfies specified elective requirement for AA degree.

FRCH& 121 (was FREN 101) 5 Credits
French I

Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.

FRCH& 121, 122, 123 is a sequence designed to provide students with elementary through intermediate knowledge of spoken and written French. It is viewed as a series and as such has a goal of structuring the load throughout an academic year rather than from quarter to quarter. FRCH& 121 focuses on developing elementary speaking, listening, reading and writing skills. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective in the AA degree.

FRCH& 122 (was FREN 102) 5 Credits
French II

Recommended Preparation: A grade of “C-” or better in FRCH& 121 or instructor permission.

A continuation of FRCH& 121, this course is designed to provide students with elementary to intermediate knowledge of spoken and written French. The course will focus on speaking, listening, reading and writing skills. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

Fisheries
Technology

Foreign Languages

Foreign Languages

**FRCH& 123 (was FREN 103) 5 Credits
French III**

Recommended Preparation: A grade of "C-" or better in FRCH& 122 or instructor permission.

A continuation of FRCH& 122, focusing on developing intermediate knowledge of spoken and written French. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

**GERM& 121 (was GERM 101) 5 Credits
German I**

Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.

GERM& 121, 122, 123 is a sequence designed to provide students with elementary through intermediate knowledge of spoken and written German. It is viewed as a series and as such has a goal of structuring the load throughout an academic year rather than from quarter to quarter. GERM& 121 focuses on developing speaking, listening, reading, and writing skills. 5 lecture hours. Satisfies humanities area E requirement or specified elective for the AA degree.

**GERM& 122 (was GERM 102) 5 Credits
German II**

Recommended Preparation: A grade of "C-" or better in GERM& 121 or instructor permission.

A continuation of GERM& 121, focusing on developing elementary to intermediate knowledge of spoken and written German. 5 lecture hours. Satisfies humanities area E requirement or specified elective for the AA degree.

**GERM& 123 (was GERM 103) 5 Credits
German III**

Recommended Preparation: A grade of "C-" or better in GERM& 122 or instructor permission.

A continuation of GERM& 122, focusing on developing intermediate knowledge of spoken and written German. 5 lecture hours. Satisfies humanities area E requirement or specified elective for the AA degree.

**ITAL 125 5 Credits
Italian I**

Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.

Designed to provide students with elementary knowledge of spoken and written Italian, this course will focus on speaking, listening, reading and writing skills, as well as on the practical applications of the Italian language in Western art and culture. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

**ITAL 126 5 Credits
Italian II**

Recommended Preparation: A grade of "C-" or better in ITAL 125 or instructor permission.

A continuation of ITAL 125. 5 lecture hours. Satisfies specified elective for the AA degree.

**ITAL 127 5 Credits
Italian III**

Recommended Preparation: A grade of "C-" or better in ITAL 126 or instructor permission.

A continuation of ITAL 126. 5 lecture hours. Satisfies specified elective for the AA degree.

**JAPN& 121 (was JAPN 101) 5 Credits
Japanese I**

Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.

JAPN& 121, 122, 123 is a sequence designed to provide students with elementary through intermediate knowledge of spoken and written Japanese. It is viewed as a series and as such has a goal of structuring the load throughout an academic year rather than from quarter to quarter. JAPN& 121 focuses on developing elementary speaking, listening, reading and writing skills. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

**JAPN& 122 (was JAPN 102) 5 Credits
Japanese II**

Recommended Preparation: A grade of "C-" or better in JAPN& 121 or instructor permission.

A continuation of JAPN& 121, focusing on developing elementary to intermediate knowledge of spoken and written Japanese. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

**JAPN& 123 (was JAPN 103) 5 Credits
Japanese III**

Recommended Preparation: A grade of "C-" or better in JAPN& 122 or instructor permission.

A continuation of JAPN& 122, focusing on developing elementary to intermediate knowledge of spoken and written Japanese. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

LATIN 125 **5 Credits**
Latin I

Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.

Designed to provide students with elementary knowledge of classical Latin, this course will focus on reading and understanding the written language through the study of grammar and texts. Additional attention will be given to the influence of Latin on modern English, as well as to relevant topics in Roman culture and history. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective requirement for the AA degree.

LATIN 126 **5 Credits**
Latin II

Recommended Preparation: LATIN 125 with a grade of "C-" or better or instructor permission.

A continuation of LATIN 125. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

LATIN 127 **5 Credits**
Latin III

Recommended Preparation: LATIN 126 with a grade of "C-" or better or instructor permission.

A continuation of LATIN 126. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

POL 125 **5 Credits**
Polish I

Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.

Designed to provide students with elementary knowledge of spoken and written Polish, this course will focus on speaking, listening, reading, and writing skills, as well as relevant topics in Polish culture and history. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective requirement for the AA degree.

POL 126 **5 Credits**
Polish II

Recommended Preparation: POL 125 with a grade of "C-" or better or instructor permission.

A continuation of POL 125. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

POL 127 **5 Credits**
Polish III

Recommended Preparation: POL 126 with a grade of "C-" or better or instructor permission.

A continuation of POL 126. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

RUSS 125 **5 Credits**
Russian I

Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.

RUSS 125 is designed to provide students with elementary knowledge of spoken and written Russian. This course focuses on developing speaking, listening, reading, and writing skills. 5 lecture hours. Satisfies Humanities distribution area E requirement or specified elective requirement for the AA degree.

RUSS 126 **5 Credits**
Russian II

Recommended Preparation: A grade of "C-" or better in RUSS 125 or instructor permission.

RUSS 126 is a continuation of RUSS 125. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

RUSS 127 **5 Credits**
Russian III

Recommended Preparation: A grade of "C-" or better in RUSS 126 or instructor permission.

RUSS 127 is a continuation of RUSS 126. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

SPAN& 121 (was SPAN 101) **5 Credits**
Spanish I

Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.

SPAN& 121, 122, 123 is a sequence designed to provide students with elementary through intermediate knowledge of spoken and written Spanish. It is viewed as a series and as such has a goal of structuring the load throughout an academic year rather than from quarter to quarter. SPAN& 121 focuses on developing elementary speaking, listening, reading, and writing skills. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

Foreign Languages

Foreign Languages

Freshman Year Experience

Geographic Information Systems

SPAN& 122 (was SPAN 102) 5 Credits Spanish II

Recommended Preparation: A grade of "C-" or better in SPAN& 121, or 1 year of high school Spanish, or instructor permission.

A continuation of SPAN& 121, focusing on developing elementary to intermediate knowledge of spoken and written Spanish. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

SPAN& 123 (was SPAN 103) 5 Credits Spanish III

Recommended Preparation: A grade of "C-" or better in SPAN& 122, or 2 years of high school Spanish, or instructor permission.

A continuation of SPAN& 122, focusing on developing intermediate knowledge of spoken and written Spanish. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

Freshmen Year Experience

FYE 100 4 Credits Student Orientation & Academic Readiness (SOAR)

SOAR is a short, intensive course designed to help new students adjust to college by providing an overview of higher education, a general orientation to college resources, a review and brush-up of study skills and a review of English or math skills. Self-management skills and personal responsibility are emphasized. 3 lecture hours; 2 lab hours. May be used as a general elective in the AA degree.

FYE 101 1 Credit College Success

Recommended Preparation: Placement in READ 080 and ENGL 060.

College Success is designed to help you succeed in college. The course provides both an introduction to the nature of college education and a general orientation to the functions and resources of the college as a whole. Students will examine problems and questions common to the first year experience in an atmosphere somewhat less formal than that of traditional courses. A community college offers opportunities for new beginnings and ongoing benefits. You will be encouraged to not only survive at college but thrive by doing your best. 1 lecture hour. May be used as a general elective in the AA degree.

FYE 102 1-2 Credits College Study Skills

This course is designed to provide students with a foundation of study skills necessary to be successful in college. Students in the arranged section will choose from four study skills modules that include, but are not limited to: note-taking skills, test-taking skills, time management, learning styles, computer skills and information use. Completion of two modules is required to earn one (1) credit. Students who complete all four modules of the class will earn two (2) credits. Students in the scheduled section will earn two (2) credits. Students will be required to attend 2-4 hours per week depending on the format of the class. May be used as a general elective in the AA degree.

Geographic Information Systems

GIS 110 3 Credits Principles of GIS I

Prerequisites: ENGL 095 or placement in ENGL& 101; MATH 098 or placement in MATH& 107; or instructor permission.

The course will provide students a basic knowledge of geographic information systems (e.g., sources of GIS data, various data models, capturing GIS data and manipulating GIS data). Concepts in geography, spatial data, and their integration will be included. Lectures will convey an understanding of the fundamental principles of GIS. One of the objectives of the course is to provide students with hands-on experience with GIS/GPS hardware and software components. Lectures will also be supplemented with guest lectures in the application of GIS from individuals working in a diversity of application areas. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

GIS 115**5 Credits****Cartography**

Prerequisites: ENGL 095 or placement in ENGL& 101; MATH 098 or placement in MATH& 107; or instructor permission.

The course will provide students with information on effective map design and enhancing skills in presenting GIS products effectively to different audiences. The objective of this course is to provide students with skills to communicate GIS products effectively. Course material on map contents, their layout, and organization will be addressed in detail. Selection of classification patterns, symbols, fonts, and appropriate color schemes for maps will also be included in the course. The importance of map elements such as the scale bar, direction indicators and legends will be emphasized as a part of the course. Students will have the opportunity to view guest lectures on the application of cartographic principles to GIS maps. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

GIS 200**5 Credits****Principles of GIS II**

Prerequisites: GIS 110; ENGL 095 or placement in ENGL& 101; MATH 098 or placement in MATH& 107; or instructor permission.

This course will provide students advanced knowledge in geographical information systems (e.g., raster and vector data models, terrain analysis, and interpolation methods). Students will be exposed to a range of geospatial data analysis methods and analytical tools. Lectures will expose students to various quantitative methods and data standards in GIS. One of the objectives of the course is to provide students the capability for problem solving with spatial data. Lectures will also be supplemented with guest lectures in the application of GIS from individuals working in a diversity of application areas. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

GIS 250**5 Credits****GIS Applications in Natural Resources Management**

Prerequisites: GIS 110; GIS 200; ENGL 095 or placement in ENGL& 101; MATH 098 or placement in MATH& 107; or instructor permission.

The course has been designed with an emphasis on application of GIS for natural resource management. It is assumed that students who enroll in this course would have prior knowledge in both GIS and natural resource management. The course will provide students with specific methods in point pattern analysis and continuous data analysis. The course will also expose students to techniques in aerial photography and digital image processing for assessing natural resources. Detailed case studies demonstrating the application of GIS to natural resources management, such as watershed analysis and radio telemetry studies will be presented. Lectures will be supplemented by visiting guest lectures from practitioners of GIS in natural resource management. 3 lecture hours; 4 lab hours. Vocational program courses. May be used as a general elective in the AA degree.

Geographic
Information
Systems

Geology

Geology

GEOL& 101 (was GEOL 101)**5 Credits****Introduction to Physical Geology w/Lab**

Recommended Preparation: ENGL 095 or placement in ENGL& 101.

Prerequisite: MATH 095 or placement in MATH 098.

A study of the Earth, its materials, the development of landforms and the geologic processes involved. Common rocks, minerals, and geologic maps are studied in the laboratory. In the fall, a field trip to Mt. St. Helens to study volcanic processes is planned. 4 lecture hours; 2 lab hours. Satisfies science or lab requirement area D distribution or specified elective in the AA degree.

Geology

GEOL 107 **5 Credits**

Introduction to Weather

Prerequisites: MATH 095 or placement in MATH 098; READ 090 or placement in READ 120.

This course examines the science of the Earth's atmosphere. Course goals are to provide the student with a better understanding of the processes occurring in the atmosphere that are responsible for the weather and climate that we experience. The course will focus on the why and how things happen rather than have the student memorize climate classification and statistics. The student will also learn how to read the sky and weather maps. The cause of selected natural environmental issues such as ozone depletion, green house warming, El Nino and acid rain will be discussed. 5 lecture hours. Satisfies science distribution area C requirement or specified elective for the AA degree.

Health/Physical Education

Health Promotion and Fitness

History

Health/Physical Education

HPE 151 **5 Credits**

Drugs and Our Society

Recommended Preparation: Placement in ENGL 095.

This class is designed to give students a basic understanding of all classifications of drugs. Topics to be covered include the biology of drug action, effects of drugs on the body, dependence and treatment, alternatives to drug use, and drugs and the law. Types of drugs discussed will range from prescription drugs, to alcohol, to illegal drugs, and over-the-counter drugs. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

Health Promotion & Fitness

HPF 101 **5 Credits**

Health and Wellness

This course encompasses a total wellness concept of one's physical, mental and emotional well being. Students will examine major health issues of contemporary society. Students will also learn to make responsible lifestyle decisions that will directly affect their quality of life and attainment of well being. 5 lecture hours. May be used as a general elective in the AA degree or to satisfy PE requirement for all degrees.

History

HIST 122 **5 Credits**

History of Modern East Asia

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101, or instructor permission. Completion of or concurrent enrollment in ENGL& 101.

This course is an introduction to the history, geography, culture, and sociology of East Asia during the last two centuries. We will study the development of modern China and Japan, Asian interaction with the West, the role of religions in East Asian societies, the varying political and cultural systems, economics, and the challenges of the 20th and 21st Centuries. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST 220 **5 Credits**

20th Century Europe

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.

This course offers a survey of the history of the Pacific Northwest region of North America from the arrival of the Original Peoples, approximately 30,000 BCE through European conquest and colonial development, incorporation into the United States, exploitation of natural resources, race, class and gender conflicts as they developed throughout the 19th and 20th Centuries and political, social, and economic development in the 20th Century through the era of the Vietnam War. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

HIST 225 **5 Credits**

Women and Men: The History of Gender

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.

This course is an introduction to the history of gender relations in Europe and America. It will combine material traditionally covered in "History of Women" courses with discussion of the relations between the sexes, and discussion of how sex roles have changed over time in different cultures. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

HIST 252 **5 Credits**
Latin American History

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.

An introduction to Latin American studies. The first half of the quarter focuses attention on Pre-Columbian civilizations, especially the Maya. The second half of the quarter explores Modern Latin America from the time of the colonial period and focuses on independence movements, nation building, and the problems of the last two centuries. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST 270 **5 Credits**
African-Americans in Slavery and Freedom

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.

This course offers an overview of African-American history, from African origins to the end of the Civil War. The course will analyze the political, economic, social, and cultural responses of both individuals and groups of African-Americans as they encountered European culture and survived through 250 years of slavery in the United States. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST 271 **5 Credits**
African-American History 1865-1975

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.

This course offers an analysis of the various movements and trends for liberation pursued by African-Americans from Reconstruction through the 1970's. We will look at the political, economic, social, and cultural responses of both individuals and groups of African-Americans, and examine the parallel responses of the majority White culture (racists and anti-racists) to these liberation movements. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST 272 **5 Credits**
History of England

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.

This is a survey of the history of Great Britain with an emphasis on England and will deal with a variety of historical approaches; social history, popular culture, institution and legal history, as well as political history. The class will start with prehistoric Britain and move through the various waves of conquerors until Great Britain emerges. It will review the impact of nationalism, imperialism, colonialism, especially in Ireland, wars in the 20th century, and the rise of the modern English welfare state until the Thatcher years. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST& 116 (was HIST101) **5 Credits**
Western Civilization I

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101, or instructor permission. Completion of or concurrent enrollment in ENGL& 101.

A survey of the Greco-Roman and Judeo-Christian roots of Western Civilization emphasizing the cultures, societies, philosophies, and politics of ancient civilizations as well as the controversies of early Christianity. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST& 117 (was HIST102) **5 Credits**
Western Civilization II

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101, or instructor permission. Completion of or concurrent enrollment in ENGL& 101.

A survey of European society, politics and culture from the fall of Rome to the Reformation emphasizing feudalism, the battles between Church and State, Scholasticism, medieval science, and the life of the common folk. We will explore the roots of the early modern era and the shattering of the medieval consensus. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

History

History

HIST& 118 (was HIST103) 5 Credits
Western Civilization III

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101, or instructor permission. Completion of or concurrent enrollment in ENGL& 101.

A survey of European society, culture and politics from the Seventeenth to the Twentieth Centuries emphasizing the witchcraft craze, the rise of science, the Enlightenment, Romanticism, the French Revolution, industrialism, imperialism, and the two world wars. We will explore the “nature” of the modern world and the social tensions it has produced. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST& 146 (was HIST 241) 5 Credits
US History I

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.

This course offers a survey of North American history from first contact by Original Peoples, approximately 30,000 BCE, through the European exploration and period of conquest, European colonialism, foundations of an “American” culture and society, and concludes with an overview of the Revolutionary era and the early years of the Republic. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST& 147 (was HIST 242) 5 Credits
US History II

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.

This course offers a survey of United States’ history during the 19th Century. Topics of inquiry include slavery and the development of the abolitionist and women’s movements, the coming of the Civil war, Reconstruction, conquest of the continent, the triumph of capitalism through industrialization, the development of labor movements, and the origins of U.S. involvement in world-wide imperialist movements. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST& 148 (was HIST 243) 5 Credits
US History III

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.

This course offers a survey of United States’ history during the 20th Century. Topics of inquiry include the development of the “Progressive Movement,” radical and anti-radical movements, racism and the Black liberation struggle, economic depression and recovery, women’s liberation struggles, and U.S. involvement in a century of warfare from the Spanish-American-Philippine War beginning in 1898 through war with Mexico, World War I and II, the Korean and Vietnam wars, and the half-century-long “Cold War.” 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST& 214 (was HIST 264) 5 Credits
Pacific Northwest History

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.

This course offers a survey of the history of the Pacific Northwest region of North America from the arrival of the Original Peoples, approximately 30,000 BCE through European conquest and colonial development, incorporation into the United States, exploitation of natural resources, race, class and gender conflicts as they developed throughout the 19th and 20th Centuries and political, social, and economic development in the 20th Century through the era of the Vietnam War. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

HIST& 219 (was HIST 210) 5 Credits
Native American History

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.

This course offers an overview of Native-American history, culture, politics and the interactions of Native-Americans and the peoples who arrived after them. The course places an emphasis on political and social events and persons critical to the history of Native-Americans and the larger culture. The course also places an on-going emphasis on the history of Native-Americans in the Pacific Northwest and the Olympic Peninsula. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

Human Development

HUMDV 104 2 Credits Stress Management and Wellness

Prerequisite: Placement in READ 080 or ENGL 060 or instructor permission.

This course is designed to provide general information, tools, and guides for stress management and wellness promotion. Students will look at the physical, cognitive, psychological, and behavioral factors related to stress and coping. The goal is to help each student improve in the ability to manage stress. Instruction techniques will include lectures, extensive use of group activities, and introduction of relaxation methods, such as progressive relaxation. 2 lecture hours. Satisfies general elective requirement for the AA degree.

HUMDV 109 2 Credits Personal Development

Prerequisites: Placement in READ 080 and ENGL 060.

A balanced view of current theory and research in psychology with an emphasis on personality, motivation, decision making and learning. The focus is on understanding the role of family, the environment and individual choices and how they combine in shaping the development of the individual. 2 lecture hours. Satisfies general elective requirement for the AA degree.

HUMDV 111 2 Credits Career Options and Life Planning

Prerequisites: Placement in READ 080 and ENGL 060.

The focus of HUMDV 111 is to facilitate awareness of values, skills, interests, and attitudes as they relate to the student's career journey and the world of work. Students will become familiar with occupational resources including self-employment and entrepreneurial options, labor market trends, resume and cover letter writing, interviewing, and the process for career decision-making. Students will learn career concepts and develop career researching and planning skills. 2 lecture hours. Satisfies general elective requirement for the AA degree.

HUMDV 140 2 Credits Community Leadership

Prerequisite: ENGL 095 with a grade of "C-" or better or placement in ENGL& 101.

This course is intended to provide a foundation to students who are involved in or are interested in becoming involved in leadership activities on the GHC campus or in the local community. The main objective of the course is to give students a theoretical introduction to the field of leadership and to provide students with the skills to move community members to action and empowerment. Topics covered are team development, listening skills, facilitation skills, conflict management, nondefensive communication, power structures, motivating others, goal setting, visioning, leadership ethics and values. In addition to weekly readings, assignments and lectures, students will be expected to participate in class discussions, interviews, case-studies, role-plays and skill development exercises. 1 lecture hour; 2 lab hours. Satisfies the general elective requirement for the AA degree.

HUMDV 150 1 Credit Tutoring Techniques

Prerequisite: Instructor permission.

This class prepares students to become peer tutors. We will explore the role and responsibilities of a peer tutor, adult learning theory, learning styles, effective tutoring techniques, communication skills, and creating a positive environment. Practicum will include observation and supervised tutoring in the GHC Learning Center. Actual tutoring experiences will be evaluated during the quarter. 2 lab hours. Satisfies specified elective for the AA degree.

HUMDV 151 2 Credits Interpersonal Skills

Prerequisite: Placement in READ 080 and ENGL 060.

This class is designed to assist students in increasing the effectiveness of their interactions with others. Students will gain skills in topics such as effective listening, initiating conversations, assertive communication, conflict resolution, and the use of appropriate body language and nonverbal communication. The goal is to help each student to develop an awareness of his or her own communication strengths and weaknesses and to teach each student to express thoughts, feelings and opinions in an effective, socially appropriate manner. Instruction techniques will include lecture, role playing, extensive use of group activities and discussion, and practice assignments. 2 lecture hours. Satisfies general elective requirement for the AA degree.

Human Development

Human
Services

Human Services

HUST 101 5 Credits**Introduction to Human Services**

Recommended Preparation: ENGL& 101 or concurrent enrollment; CIS 100 and CIS 101 or equivalent skill level.

Overview of the history, philosophy and present status of the major human service delivery systems. Also examines the roles of associate degree practitioners as well as occupational and educational alternatives for graduates. Orientation to services provided by the human service agencies of Grays Harbor and Pacific Counties. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

HUST 102 5 Credits**Survey of Community Resources in Human Services**

Prerequisite: HUST 101 or instructor permission.

Provides an understanding of the state, county and regional network that supports community services. Overview includes continual effects of current legislation and funding. Emphasis is on local human service providers as a network of community resources. This includes community mental health centers, residential programs, advocacy groups, and consumer groups. Students will learn the relevance of each component to the whole system. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HUST 103 5 Credits**Interview/Assessments in Human Services Settings**

Prerequisite: HUST 202 or instructor permission.

Introduction to interviewing and assessment techniques in the human services field. Emphasis is on information gathering and building productive individual service plans for human services clients. Importance is placed on assessing the person's complete psycho-social structure. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HUST 108 5 Credits**Counseling and Crisis Intervention**

Prerequisite: HUST 102 or instructor permission.

Introduction to interviewing, basic counseling skills and crisis theory. The focus will be on learning counseling theory and models for crisis intervention. Through lecture, discussion, demonstration and independent study, students will master basic concepts and develop needed skills. Emphasis on high-stress populations requiring immediate intervention, including psychiatric emergencies and death and dying, sexual assault, battered women, suicide and others. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HUST 110 5 Credits**Nutrition/Medication Management Human Services Clients**

Prerequisite: HUST 102 or instructor permission.

Students gain a basic understanding of medications and their use across the diverse spectrum of human services clients. Emphasis is placed on the importance of good nutrition to enhance the health and well-being of the person. The relationship of good nutrition and prescribed medications will be explored. The side-effects and interactions of the various medications is discussed along with the interaction between prescribed and illegal drugs, alcohol and nicotine. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HUST 150 5 Credits**Introduction to Family Violence Counseling**

Prerequisites: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101, or instructor permission.

A course for people interested in working in the domestic violence field. Overview of the history, myths and realities, dynamics of victims, abusers and other family members plus an overview of the cycle of violence. The course includes a progression of debriefing and listening skills, role-playing and group exercises. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HUST 151 **5 Credits**
Case Management & Counseling in Family Violence

Case management and counseling services in the field of domestic and other family violence require a depth of understanding of the dynamics of the cycle of family violence, the continuum of services needed by individual clients and their families and the framework of strength-based approaches to change. Theoretical approaches to case management and counseling will be studied integrating standards of good practice, ethical considerations and multidisciplinary factors along with the understanding of the special needs of each individual in the family: victims, batterers and children. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HUST 158 **1-3 Credits**
Cooperative Work Internship

Prerequisites: HUST 102 with a grade of "C+" or better or instructor permission.

Supervised experience with a human service-related agency or program. The instructor, in cooperation with the student, will determine the site, credit hours and learning objectives. A student, in conjunction with an instructor, will arrange for 1-3 credit hours to be earned within a given quarter. One credit may be earned for each fifty hours of documented agency or program experience. Emphasis is placed on achieving human services skills and integrating professional ethics and conduct into performance as a learner and appropriate to the internship site, and exploring career potential in the human services field. Variable hours. Vocational program course. May be used as a general elective in the AA degree.

HUST 202 **5 Credits**
Counseling Special Populations

Prerequisite: HUST 203 or instructor permission.

Needs of and treatment for special consumer populations such as persons of diversity including children and families, couples, the elderly, persons with physical disabilities, sexual minorities, developmental disabilities and cultural and ethnic minorities. Focus will be on the recommended treatment of choice for special populations with diverse backgrounds and needs. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HUST 203 **5 Credits**
Law & Ethics in Human Services

Prerequisite: HUST 102 or instructor permission.

Explores central work-related issues students will face in the human services field and the ethical implications and laws dealing with those issues. Emphasis includes consumer confidentiality, consumer rights, rights and responsibilities of human service professionals, and standards of conduct. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HUST 204 **5 Credits**
Advanced Counseling & Case Management

Prerequisite: HUST 103 or instructor permission.

Students will gain knowledge of the rationale and philosophy supporting the development of counseling and case management and different models of counseling/case management interventions. Students will learn about counseling techniques; resource development; strategies for dealing with resistance, grief and loss; treatment planning; and development of a personal counseling style. Using case management forms, students will formulate accurate and understandable case files and records. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HUST 258 **1-5 Credits**
Advanced Cooperative Work Internship

Prerequisite: HUST 158 with a grade of "C+" or better or instructor permission.

Supervised experience in human services agencies. Students work a minimum of 250 hours in an agency, with or without remuneration. One credit may be earned for each fifty hours of documented agency or program experience. Includes organizational leadership, work ethics, and employer-employee relationships. Students meet during the quarter with the assigned College supervisor and agency advisor to discuss skill development and process field experiences. Emphasis is placed on achieving human services skills and integrating professional ethics and conduct into performance as a learner and appropriate to the internship site. Variable hours. Vocational program course. May be used as a general elective in the AA degree.

Human Services

Journalism

Library

Journalism

JOURN 111 1-4 Credits
Student Publication I

Recommended Preparation: ENGL& 101 or concurrent enrollment; READ 090 or placement in READ 120.

Practical experience in news writing, editing, photography, advertising, and management through the production of the student publication, *The Crow's Nest*. Variable hours. Satisfies specified elective requirement for the AA degree.

JOURN 112 1-4 Credits
Student Publication II

Recommended Preparation: ENGL& 101 or concurrent enrollment; READ 090 or placement in READ 120.

Practical experience in news writing, editing, photography, advertising, and management through the production of the student publication, *The Crow's Nest*. Variable hours. Satisfies specified elective requirement for the AA degree.

JOURN 113 1-4 Credits
Student Publication III

Recommended Preparation: ENGL& 101 or concurrent enrollment; READ 090 or placement in READ 120.

Practical experience in news writing, editing, photography, advertising, and management through the production of the student publication, *The Crow's Nest*. Variable hours. Satisfies specified elective requirement for the AA degree.

JOURN 211 1-4 Credits
Advanced Student Publication I

Prerequisites: Journalism 111, 112 or 113.

Advanced work in interviewing, news writing and rewriting. Study of newspaper financing. Introduction to feature writing and staff writing as related to the student publication, *The Crow's Nest*. Variable hours. Satisfies specified elective requirement for the AA degree.

JOURN 212 1-4 Credits
Advanced Student Publication II

Prerequisites: Journalism 111, 112 or 113.

Advanced work in interviewing news writing and rewriting. Study of newspaper financing. Introduction to feature writing and staff writing as related to the student publication, *The Crow's Nest*. Variable hours. Satisfies specified elective requirement for the AA degree.

JOURN 213 1-4 Credits

Advanced Student Publication III

Prerequisites: Journalism 111, 112 or 113.

Advanced work in interviewing news writing and rewriting. Study of newspaper financing. Introduction to feature writing and staff writing as related to the student publication, *The Crow's Nest*. Variable hours. Satisfies specified elective requirement for the AA degree.

Library

LIB 101 2 Credits
Introduction to Information Resources

Prerequisite: ENGL 095 or placement in ENGL& 101.

Introduction to strategies and skills for locating, evaluating and using information resources in the research process. Emphasis is on using print and electronic resources appropriate for research at the undergraduate or pre-professional level, including those available on the library's information networks, the online catalog, the Internet and other standard research tools. 2 lecture hours. May be used as a general elective in the AA degree.

LIB 120 5 Credits
Learning for the 21st Century

Emphasis will be on building the skills and techniques for successful life-long learning and identifying personal learning styles and strengths that facilitate learning in an on-line environment. Through a quarter-long research project on a global issue, participants will examine various strategies for locating, evaluating, and applying information resources in the research process with attention to information policy issues like censorship and freedom of information. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

Mathematics

MATH 058 3 Credits Fundamentals of Arithmetic I

Prerequisite: Appropriate placement test score or instructor permission.

This course is designed for students who need to strengthen their skills in arithmetic. Students will use the basic concepts and procedures that apply to fractions and decimals. Mathematical reasoning will be used to define and solve problems. Effective communication of these ideas and application to everyday situations are part of the curriculum. The specific course content includes topics on estimation, order of operations, fractions, and decimals. Problem solving strategies will be stressed. 1 lecture hour; 4 lab hours.

MATH 059 2 Credits Fundamentals of Arithmetic II

Prerequisite: A grade of "C-" or better in MATH 058 or instructor permission.

This course is designed for students who need to strengthen their skills in arithmetic. It is a continuation of MATH 058. Mathematical reasoning will be used to define and solve problems. The specific course content includes topics on ratios, proportions, percents, English and metric measurements, area, volume and perimeter of geometric objects, with an introduction to integer arithmetic. Effective communication of these ideas and application to everyday situations are part of the curriculum. Problem solving strategies will be stressed. Together, MATH 058 and MATH 059 are the equivalent of MATH 060. 4 lab hours.

MATH 060 5 Credits Fundamentals of Arithmetic

Prerequisite: Appropriate placement test score or instructor permission.

This course is designed for students who need to strengthen their skills in arithmetic. Mathematical reasoning will be used to define and solve problems. The specific course content includes topics on fractions, decimals, ratios, proportions, percents, English and metric measurements, area, volume and perimeter of geometric objects, with an introduction to integer arithmetic. Effective communication of these ideas and application to everyday situations are part of the curriculum. Problem solving strategies will be stressed. 5 lecture hours.

MATH 070 3 Credits Pre-Algebra

Prerequisites: A grade of "C-" or better in MATH 059 or MATH 060 or appropriate placement score or instructor permission.

This course is designed for the student who has little or no background in algebra. The course focuses on problem solving and includes a thorough review of fractions, estimation, rounding, and order of operations. Radical expressions, properties of real numbers and variable expressions will be introduced. 3 lecture hours.

MATH 093 3 Credits Elementary Algebra I

Prerequisites: A grade of "C-" or better in MATH 059 or MATH 060 or MATH 070 or placement in MATH 095 or instructor permission.

This course constitutes the first three fifths of MATH 095. Topics include: real numbers, equations and problem solving, and graphing. Problem solving and applications to real life situations are part of the curriculum. 1 lecture hour; 4 lab hours.

MATH 094 2 Credits Elementary Algebra II

Prerequisite: A grade of "C-" or better in MATH 093 or instructor permission.

This course constitutes the later two fifths of MATH 095. Topics include: polynomials, factoring, quadratic equations, exponents and scientific notation. Problem solving and applications to real life situations are part of the curriculum. Together MATH 093 and MATH 094 are equivalent to MATH 095. 4 lab hours.

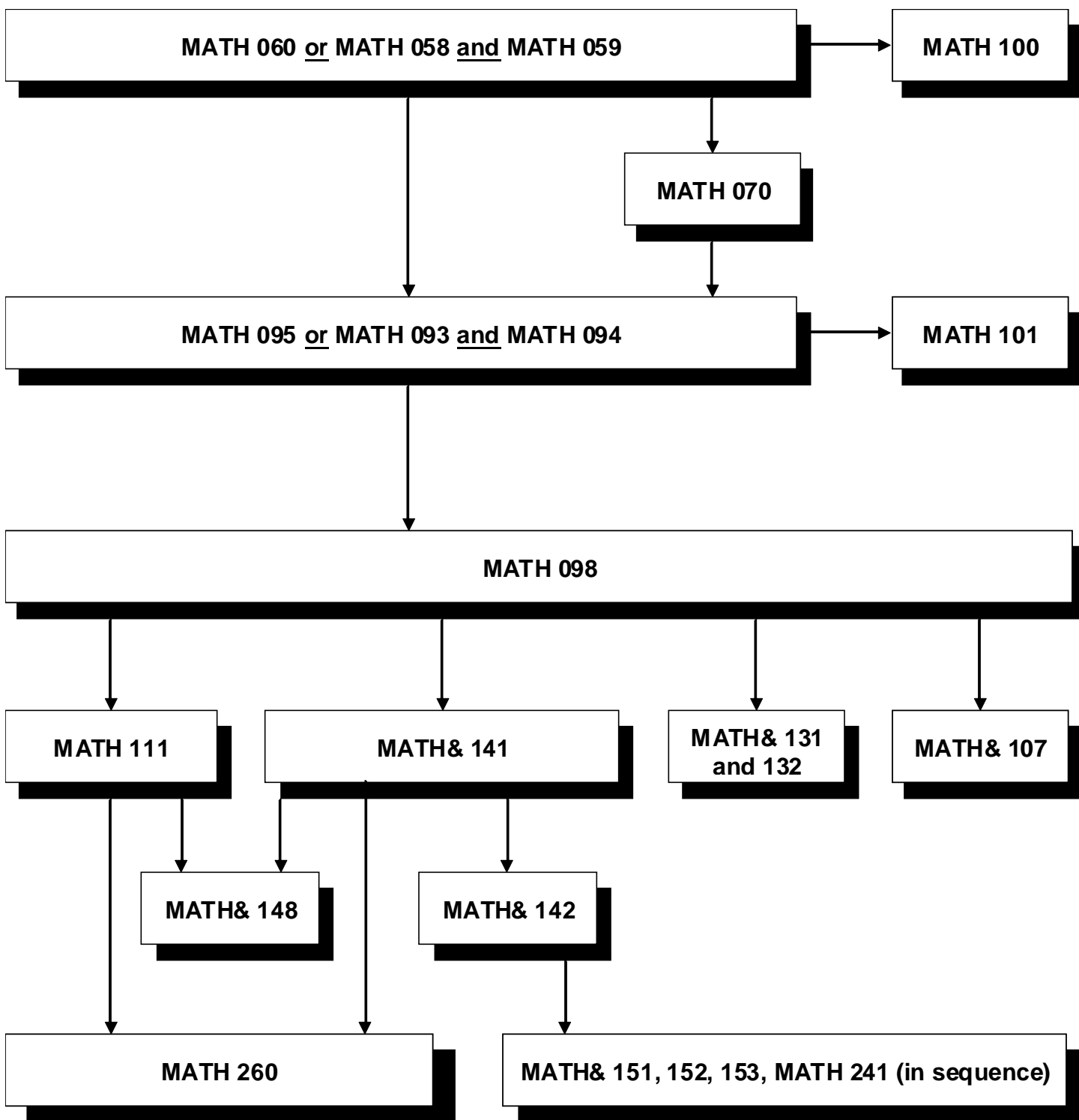
MATH 095 5 Credits Elementary Algebra

Prerequisites: A grade of "C-" or better in MATH 059, MATH 060 or MATH 070; or placement in MATH 095 or instructor permission.

Elementary algebra includes solution, graphing and application of linear and quadratic equations of one and two variables, exponent rules, scientific notation, polynomials, and factoring. NOTE: MATH 093 and MATH 094 (combined) are equivalent to MATH 095. 5 lecture hours.

Mathematics

Mathematics Course Sequence



MATH 098 5 Credits**Intermediate Algebra**

Prerequisites: A grade of "C-" or better in MATH 094 or MATH 095 or appropriate placement score or instructor permission.

This course is the prerequisite to the college level courses MATH& 107, MATH 111, MATH& 131, MATH& 132, and MATH& 141. The course includes application and solution of rational, radical, quadratic, exponential, and logarithmic equations and systems of equations. 5 lecture hours.

MATH 100 5 Credits**Vocational Technical Mathematics**

Prerequisites: A grade of "C-" or better in MATH 059 or MATH 060 or appropriate placement score.

This course is designed to meet the needs of the vocational-technical student. Topics will include powers and roots, signed numbers, formulae manipulation, plane and solid geometry, trigonometry and specialized formulae. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

MATH 101 5 Credits**Applications of Algebra for Vocational-Technical Students**

Prerequisites: A grade of "C-" or better in MATH 094 or MATH 095 or placement in MATH 098 or higher or instructor permission.

This is a non-transferable course designed to expose vocational students to mathematical concepts in the context of applications. Topics will include linear and exponential models, financial mathematics, and descriptive statistics. This course satisfies the mathematics requirement for some vocational-technical programs; however, it does not satisfy the quantitative reasoning skills requirement for an AA degree and does not serve as a prerequisite to any math course. 5 lecture hours. Vocational program course. May be used as a general elective for the AA degree.

MATH 111 5 Credits**Introduction to Finite Mathematics**

Prerequisites: A grade of "C" or better in MATH 098 or appropriate placement score or instructor permission.

MATH 111 is designed for transfer students majoring in business, and many of the social sciences. In addition to the prerequisite, it is assumed that students have a working knowledge of the material from MATH 098. Topics covered include linear, quadratic, exponential and logarithmic functions, systems of linear equations and inequalities with solution by simplex methods, and financial math. Applications are drawn from business, economics, and the management and social sciences. 5 lecture hours. Satisfies quantitative skills requirement, science distribution area F requirement or specified elective for the AA degree.

MATH 114 5 Credits**Inferential Statistics**

Prerequisites: A grade of "C" or better in MATH 111 or MATH& 141 or instructor permission.

An introduction to probability theory and statistical analysis with applications to a variety of fields. Topics covered include describing data graphically and numerically, correlation and linear regression, probability, the binomial and normal distributions, sampling distributions, confidence intervals, and hypothesis testing. 5 lecture hours. Satisfies quantitative skills requirement or science distribution area F requirement or specified elective for the AA degree.

MATH 241 5 Credits**Differential Equations I**

Prerequisite: A grade of "C" or better in MATH& 153 or instructor permission.

Theory and solution techniques for first and second order ordinary differential equations, including Laplace transform and series solutions. Linear systems of first order differential equations, including a brief introduction to linear algebra. Applications from various science and engineering areas. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

Mathematics

MATH 260 5 Credits**Introduction to Statistics**

Prerequisites: A grade of “C” or better in MATH 111 or MATH& 141 or instructor permission.

An introduction to probability theory and statistical analysis with applications to a variety of fields. Topics covered include describing data graphically and numerically, correlation and linear regression, probability, the binomial and normal distributions, sampling distributions, confidence intervals, and hypothesis testing. 5 lecture hours. Satisfies quantitative skills requirement or science distribution area F requirement or specified elective for the AA degree.

MATH& 107 (was MATH 107) 5 Credits**Math in Society**

Prerequisites: MATH 098 or appropriate placement score or instructor permission.

MATH& 107 covers sets, counting, basic probability, descriptive statistics, exponential growth and decay, and financial models. Given time, sampling techniques and the normal distribution are discussed. The material is presented at a level accessible to students who have successfully completed a course in intermediate algebra or the equivalent. MATH& 107 is intended for students who wish to complete the quantitative reasoning requirement of the AA degree. It is taught at approximately the same level as college algebra and finite mathematics, but the material is intended to be more practical for the liberal arts student. MATH& 107 does not satisfy the prerequisites for either MATH& 148 or MATH 260. 5 lecture hours. Satisfies the quantitative skills requirement for the AA degree.

MATH& 131 (was MATH 151) 5 Credits**Mathematics for Elementary Education 1**

Recommended Preparation: ENGL 095 or placement in ENGL& 101.

Prerequisites: A grade of “C-” or better in MATH 098 or appropriate placement score or instructor permission.

MATH& 131 is the first of two courses that is designed to fulfill the requirements and give adequate mathematics preparation for entry into the WSU Collaborative Teacher Education Program (CTEP). 5 lecture hours. MATH& 131 and MATH& 132 satisfy the quantitative reasoning requirement for the AA degree.

MATH& 132 (was MATH 152) 5 Credits**Mathematics for Elementary Education 2**

Recommended Preparation: ENGL 095 or placement in ENGL& 101.

Prerequisites: A grade of “C-” or better in MATH 098 or appropriate placement score or instructor permission.

MATH& 132 is the second of two courses that is designed to fulfill the requirements and give adequate mathematics preparation for entry into the WSU Collaborative Teacher Education Program (CTEP). 5 lecture hours. MATH& 131 and MATH& 132 satisfy the quantitative reasoning requirement for the AA degree.

MATH& 141 (was MATH 121) 5 Credits**Precalculus I**

Prerequisites: A grade of “C+” or better in MATH 098 or appropriate placement score or instructor permission.

MATH& 141 and MATH& 142 are designed for transfer students majoring in engineering, Science and Mathematics. One of the goals of these courses is to prepare students for the more challenging problems they will encounter as they move on to calculus and more advanced science courses. In addition to the prerequisite, it is assumed that students have a working knowledge of the material from MATH 098. Material covered in 121 includes coordinate systems, lines, circles, functions, graphical analysis, quadratic functions, inverse functions, exponentials and logarithms. Applications are drawn from the physical, life, and engineering sciences. 5 lecture hours. Satisfies the quantitative skills requirement, science distribution area F requirement, or specified elective for the AA degree.

MATH& 142 (was MATH 122) 5 Credits**Precalculus II**

Prerequisites: A grade of “C” or better in MATH& 141 or appropriate placement score or instructor permission.

This course continues the analysis of functions begun in MATH& 141. One goal of the course is to prepare students for the more challenging problems they will encounter as they enter calculus and more advanced science courses. Topics include trigonometric functions and their inverses, exponential functions, logarithmic functions, and parametric equations. Applications are drawn from the physical, life, and engineering sciences. 5 lecture hours. Satisfies the quantitative skills requirement, science distribution area F requirement, or specified elective for the AA degree.

**MATH& 148 (was MATH 112) 5 Credits
Business Calculus**

Prerequisites: A grade of “C” or better in MATH 111 or MATH& 141; or instructor permission.

MATH& 148 is designed for transfer students majoring in business and many of the social sciences. Topics covered include differentiation, applications of derivatives, anti-differentiation, basic differential equations, integration, and partial derivatives. Applications are drawn from business, economics, and the management and social sciences. 5 lecture hours. Satisfies quantitative skills requirement, science distribution area F requirement, or specified elective for the AA degree.

**MATH& 151 (was MATH 124) 5 Credits
Calculus I**

Prerequisites: A grade of “C” or better in MATH& 142 or appropriate placement score or instructor permission.

MATH& 151, 152, and 153 are designed for transfer students in Science, Engineering and Mathematics. Topics include a review of functions, introduction to limits, the derivative, differentiation techniques, applications of differentiation and antiderivatives. Applications from the sciences and engineering. 5 lecture hours. Satisfies quantitative skills requirement, science distribution area F requirement or specified elective for the AA degree.

**MATH& 152 (was MATH 125) 5 Credits
Calculus II**

Prerequisites: A grade of “C” or better in MATH& 151 or instructor permission.

Topics include the definite integral, the fundamental theorem of calculus, techniques of integration, applications of integrals, differential equations, and parametric equations. Applications from the sciences and engineering. 5 lecture hours. Satisfies quantitative skills requirement, science distribution area F requirement or specified elective for the AA degree.

**MATH& 153 (was MATH 126) 5 Credits
Calculus III**

Prerequisite: A grade of “C” or better in MATH& 152 or instructor permission.

Topics include infinite sequences and series, vectors and the geometry of space, vector functions, and calculus of functions of several variables including differentiation and double integrals. Applications from the sciences and engineering. 5 lecture hours. Satisfies quantitative skills requirement or specified elective for the AA degree.

Music**MUSC& 105 (was MUSIC 101) 5 Credits
Music Appreciation**

Prerequisites: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101.

The purpose of this course is to expand the student’s musical listening pleasure through a brief study of the elements of music and the major periods of music history with an emphasis on the Classical and Romantic Periods. Exploration of music from other cultures will also be included. 5 lecture hours. Satisfies humanities distribution area C requirement or specified elective for the AA degree.

**MUSC& 121 (was MUSIC 131) 2 Credits
Ear Training I**

Prerequisite: Concurrent enrollment in MUSC& 131.

Beginning ear training within major and minor scales as well as sight singing within the octave, the basic major and minor intervals to a fifth, whole and half steps, triad qualities, primary chords in harmonic progressions, and rhythmic dictation of quarters, eighths and half notes and quarter rests. 2 lecture hours. Satisfies humanities distribution area C requirement or specified elective for the AA degree.

**MUSC& 122 (was MUSIC 132) 2 Credits
Ear Training II**

Recommended Preparation: Concurrent enrollment in MUSC& 132.

Prerequisite: MUSC& 121.

Intermediate listening, melodic and harmonic dictation to the octave, and harmonic dictation to include minor chords, basic chord identification, sight singing and part singing, rhythmic dictation to include sixteenth notes. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

**MUSC& 123 (was MUSIC 133) 2 Credits
Ear Training III**

Recommended Preparation: Concurrent enrollment in MUSC& 132.

Prerequisite: MUSC& 122.

Advanced listening, identification of seventh chords, major and minor chords, augmented and diminished chords, advanced melodic and harmonic dictation, advanced sight singing. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

Mathematics

Music

Music

**MUSC& 131 (was MUSIC 121) 3 Credits
Music Theory I**

Prerequisites: Concurrent enrollment in MUSC& 121; basic piano or guitar skills, or concurrent enrollment in MUSIC 117.

This is the first class of the music theory sequence required by music majors. Notation, scales, keyboard harmony, intervals, triads, terminology, analysis of simple harmony and beginning ear training. 3 lecture hours. Satisfies humanities distribution area C requirement or specified elective for the AA degree.

**MUSC& 132 (was MUSIC 122) 3 Credits
Music Theory II**

Recommended Preparation: Concurrent enrollment in MUSC& 122 or instructor permission.

Prerequisites: MUSC& 121; MUSC& 131.

Continuation of MUSC& 131 with emphasis on harmonic analysis and four-part writing. 3 lecture hours. Satisfies specified elective requirement for the AA degree.

**MUSC& 133 (was MUSIC 123) 3 Credits
Music Theory III**

Recommended Preparation: Concurrent enrollment in MUSC& 123 or instructor permission.

Prerequisites: MUSC& 122; MUSC& 132.

Continuation of MUSC& 132 with emphasis on harmonic analysis and four-part writing. 3 lecture hours. Satisfies specified elective requirement for the AA degree.

**MUSC& 221 (was MUSIC 231) 2 Credits
Ear Training 4**

Recommended Preparation: Concurrent enrollment in MUSIC 201.

Prerequisite: MUSC& 123.

Continuation of ear training. Basic intervals within the octave as well as sight singing within the octave, major and minor scales. Review of concepts presented in first-year ear training. Inclusion of more difficult intervals and rhythms in melodic dictation. Harmonic dictation includes all diatonic chords and inversions, advanced rhythmic dictation. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

**MUSC& 222 (was MUSIC 232) 2 Credits
Ear Training 5**

Recommended Preparation: Concurrent enrollment in MUSIC 202.

Prerequisite: MUSC& 221.

Intermediate listening, melodic and harmonic dictation, seventh chord identification and use within harmonic progressions, sight singing and part singing. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

**MUSC& 223 (was MUSIC 233) 2 Credits
Ear Training 6**

Recommended Preparation: Concurrent enrollment in MUSIC 203.

Prerequisite: MUSC& 222.

Advanced listening, identification of seventh chords, and altered chords, advanced melodic and harmonic dictation, advanced sight singing. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

**MUSIC 100 5 Credits
Music Fundamentals**

Prerequisites: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101.

This course is designed for preparing elementary education majors for the upper division course or courses which they will take to complete the education degree. This course is also aimed at the student seeking an AA degree who may have an interest more in learning the mechanics of music reading and composition rather than the more general music history taught in MUSC& 105. In addition, this course is aimed at students who wish to major in music, but who do not have enough basic skills to begin the Music Theory sequence. 5 lecture hours. Satisfies humanities distribution area C requirement or specified elective for the AA degree.

**MUSIC 117 1 Credit
Beginning Piano Techniques I**

This course is designed for music majors or students desiring basic keyboard performance skills. MUSIC 117 is a beginning course which covers the relationship of the grand staff notation to the piano keyboard, basic rhythm notation, major and minor five-finger patterns, triads, and formulating major scales. Emphasis is also placed on harmonization, transposition, improvisation, and playing by ear. Repertoire played uses these concepts. 2 lab hours. Satisfies specified elective requirement for the AA degree.

**MUSIC 118 1 Credit
Beginning Piano Techniques II**

Prerequisite: MUSIC 117 or instructor permission.

This course is a continuation of MUSIC 117. This in-depth study covers major scales, formation of relative minor scales, triad inversions, introduction of augmented and diminished triads, seventh chords, chord symbols, variations of bass patterns, intricate rhythm notations, arrangements and variations. Coursework includes written notation, harmonization, improvisation, and playing by ear. Repertoire played uses these concepts. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 119 **1 Credit**
Beginning Piano Techniques III

Prerequisite: MUSIC 118 or instructor permission.

This course is a continuation of MUSIC 118 and continues major and minor scale study, arpeggios, cadences and other harmonic progressions, rhythmic syncopation, double sharps and double flats, keyboard improvisation, transposition, harmonization and composition. Repertoire includes various historical keyboard periods. Repertoire played uses these concepts. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 150 **1 Credit**
Applied Music Piano

Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 151 **1 Credit**
Applied Music Strings

Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 152 **1 Credit**
Applied Music Voice

Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 154 **1 Credit**
Applied Music Woodwinds

Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 155 **1 Credit**
Applied Music Brass

Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 156 **1 Credit**
Applied Music Percussion

Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 157 **1 Credit**
Applied Music Guitar

Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 161 **1 Credit**
Symphony Orchestra

Prerequisite: Instructor permission or audition required.

Credit is given to college students who are regular members of the Grays Harbor Symphony. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 171 **1 Credit**
Civic Choir

Prerequisite: Instructor permission or audition required.

Credit is given to college students who are regular members of the Civic Choir. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 173 **1.5 Credits**
Jazz Choir

Prerequisite: Instructor permission or audition required.

This group performs a wide variety of vocal jazz. There will be a minimum of one concert a quarter, but often more concerts each quarter. 3 lab hours. Satisfies specified elective requirement for the AA degree.

Music

Music

MUSIC 181 **1 Credit**

Jazz Band

Prerequisite: Instructor permission or audition required.

This is a performance group which will play a variety of big-band styles from the 40's to present. 3 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 217 **1 Credit**

Intermediate Piano I

Prerequisite: MUSIC 119 or instructor permission.

This course, a continuation of MUSIC 119, reviews harmonizing, accompanying, transposing and sight reading skills and introduces arpeggios, substitute chords and Dominant of the Dominant. Playing by ear, transposition, harmonization, and improvisation are continued. Music majors have specific qualifications to fulfill for this course. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 218 **1 Credit**

Intermediate Piano II

Prerequisite: MUSIC 217 or instructor permission.

This course, a continuation of MUSIC 217, reviews harmonizing, accompanying, transposing and sight reading skills and introduces voicing seventh chords and jazz symbols. Repertoire from various historical periods, history and corresponding keyboard ornamentation and some jazz harmonizations. Music majors have specific qualifications to fulfill for this course. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 219 **1 Credit**

Intermediate Piano III

Prerequisite: MUSIC 218 or instructor permission.

This course, a continuation of MUSIC 218, introduces diminished seventh chords in modulating patterns and progressions. Repertoire from various historical periods and some jazz harmonizations. Music majors have specific qualifications to fulfill for this course. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 231 **3 Credits**

Intermediate Harmony

Recommended Preparation: Concurrent enrollment in MUSC& 221.

Prerequisite: MUSC& 133 or instructor permission.

Secondary dominants, modulation, chromatic harmony; introduction to form and analysis. 3 lecture hours. Satisfies specified elective requirement for the AA degree.

MUSIC 232 **3 Credits**

Advanced Harmony I

Recommended Preparation: Concurrent enrollment in MUSC& 222.

Prerequisite: MUSIC 231 or instructor permission.

Continuation of MUSIC 231 with emphasis on original composition as an approach to form and analysis. 3 lecture hours. Satisfies specified elective requirement for the AA degree.

MUSIC 233 **3 Credits**

Advanced Harmony II

Recommended Preparation: Concurrent enrollment in MUSC& 223.

Prerequisite: MUSIC 232 or instructor permission.

Continuation of MUSIC 202 with emphasis in the modern idiom. 3 lecture hours. Satisfies specified elective requirement for the AA degree.

MUSIC 250 **2 Credits**

Advanced Applied Music Piano

Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 251 **2 Credits**

Advanced Applied Music Strings

Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 252 **2 Credits**

Advanced Applied Music Voice

Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 254 **2 Credits**
Advanced Applied Music Woodwinds

Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 255 **2 Credits**
Advanced Applied Music Brass

Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 256 **2 Credits**
Advanced Applied Music Percussion

Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 257 **2 Credits**
Advanced Applied Music Guitar

Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 261 **1 Credit**
Symphony Orchestra

Recommended Preparation: MUSIC 161 or instructor permission.

A continuation of MUSIC 161. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 271 **1 Credit**
Civic Choir

Recommended Preparation: MUSIC 171 or instructor permission.

A continuation of MUSIC 171. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 273 **1.5 Credits**
Jazz Choir

Recommended Preparation: MUSIC 173 or instructor permission.

A continuation of MUSIC 173. 3 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 281 **1 Credit**
Jazz Band

Recommended Preparation: MUSIC 181 or instructor permission.

A continuation of MUSIC 181. 3 lab hours. Satisfies specified elective requirement for the AA degree.

Natural Resources

NR 100 **1 Credit**
Vehicle Safety

Prerequisite: Valid Washington State driver's license.

Vehicle safety will provide students with the training necessary to safely operate a variety of different automobiles and watercraft. Students will successfully complete one 3-hour driver training course and one on-line watercraft safety course. All students must have a valid driver's license prior to registration. Meets State requirements for watercraft operation. Vocational program course. May be used as a general elective in the AA degree.

NR 120 **5 Credits**
Society and Natural Resources

This course will provide students with a broad overview of the role of social sciences (e.g., sociology, psychology, political science and economics) in natural resources management. Lectures will cover a broad background of the role of the social science in natural resources management, however, the curriculum will focus on case studies that highlight specific resource management issues. Lectures will be supplemented with guest presentation from individuals that represent a variety of natural resource stakeholders (Tribal, State, Federal and private) in Western Washington. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

Music

Natural Resources

Natural Resources

NR 130**5 Credits****Aquatic Entomology**

Prerequisite: ENGL 095 or placement in ENGL& 101; or instructor permission.

Aquatic entomology will explore the basic ecology, life history and identification of aquatic invertebrates. Lectures will focus on the basic invertebrate ecology and life history. Laboratory exercises will focus on the sampling/identification of aquatic invertebrates as both larvae and adults and the use of species indices to characterize water quality. Students will be evaluated on both lecture and laboratory material, however, the focus of the curriculum will be the collection and preservation of a 200 specimen insect collection. Insect collections will also be digitally cataloged and compiled into an online invertebrate identification guide to be used by water quality monitoring and educational groups. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 131**5 Credits****Plant Biology**

Prerequisite: ENGL 095 or placement in ENGL& 101; or instructor permission.

Plant ecology lectures will focus on the basic plant ecology, life history and distribution. Laboratory exercises will focus on the identification of plants of the Pacific Northwest and the use of plant identification in watershed assessment and restoration. Students will be evaluated on both lecture and laboratory material, however, the focus of the curriculum will be identification and description of the plants of coastal Washington. Students will be required to create a series of on-line slides that depict the distribution, identification, life history and cultural significance of coastal plants to be used as a resource for watershed restoration and education. 3 lecture hours; 4 lab hours. Satisfies science or lab requirement area C distribution or specified elective for the AA degree.

NR 140**5 Credits****Stream Ecology**

Prerequisite: ENGL 095 or placement in ENGL& 101; or instructor permission.

Stream ecology will explore the biological, chemical and physical components of stream and watershed function. Lectures will focus on the processes of stream formation, and the factors that control, sediment run-off, nutrient cycling, species abundance and distribution. Particular emphasis will be placed on the role that the upland watershed plays in the determination of stream function. Laboratory exercises will focus on the field observation and analysis of the on-campus model watershed and stream as well as a comparison of this system to additional off-site watersheds. Students will be evaluated on both lecture and laboratory material, however, the focus of the curriculum will be the application of these techniques to a student directed group research project. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 220**5 Credits****Water Quality Analysis**

Prerequisite: ENGL 095 or placement in ENGL& 101; or instructor permission.

Water Quality Analysis will explore the laboratory and field techniques used to assess a variety of basic water quality parameter. Lectures will discuss the source(s) of water pollution and a variety of different techniques to assess water pollution. Laboratory exercises will focus on the application of these techniques to quantify water quality in coastal Washington. Students will be evaluated on both lecture and laboratory material, however, the focus of the curriculum will be the application of these techniques to a student directed group research project. Students will create a technical report to aid in the management of State and Federal water resources and/or the ongoing campus watershed restoration project. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 221 **5 Credits**
Population Assessment

Prerequisites: ENGL 095 or placement in ENGL& 101; MATH 098 or higher; NR 130 or FISH 121; or instructor permission.

Population Assessment will explore the techniques used to quantify plant and animal species abundance and distribution. Lectures will focus on a discussion of the basic biological, mathematical and statistical techniques used to assess plant and animal populations. Laboratory exercises will focus on the application of these techniques to assess plant and animal populations in coastal Washington. Students will be evaluated on both lecture and laboratory material, however, the focus of the curriculum will be the application of these techniques to a student directed research project. Students will create technical report to aid in the State and Federal Agencies management of a particular species. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 230 **5 Credits**
Aquatic Entomology

Prerequisite: ENGL 095 or placement in ENGL& 101; or instructor permission.

Aquatic entomology will explore the basic ecology, life history and identification of aquatic invertebrates. Lectures will focus on the basic invertebrate ecology and life history. Laboratory exercises will focus on the sampling/identification of aquatic invertebrates as both larvae and adults and the use of species indices to characterize water quality. Students will be evaluated on both lecture and laboratory material, however, the focus of the curriculum will be the collection and preservation of a 200 specimen insect collection. Insect collections will also be digitally cataloged and compiled into an online invertebrate identification guide to be used by water quality monitoring and educational groups. 3 lecture hours; 4 lab hours. Vocational program course. Satisfies science or lab requirement area A distribution or specified elective for the AA degree.

NR 240 **5 Credits**
Ecosystem Assessment

Prerequisite: ENGL 095 or placement in ENGL& 101; or instructor permission.

Ecosystem Assessment will provide students with the hands-on skills necessary to conduct watershed assessment and design watershed monitoring programs. Lectures will focus on the theoretical aspects of watershed management and assessment. Laboratory exercises will teach the hands-on skills necessary to assess and monitor watershed health. Students will be evaluated on both lecture and laboratory material, however, the focus of the curriculum will be the application of watershed assessment techniques to a student directed group research project. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 258 **1-5 Credits**
Cooperative Work Experience

Prerequisite: Instructor permission.

Students participate in on-the-job training with natural resource agencies, tribes, and private industry. Forestry, fisheries, wildlife, and other natural resources are the focus of this work experience. Trainees keep a daily diary of work, are evaluated periodically by their supervisor, and submit a final summary of their work. Students can participate for a maximum of ten credits (up to 5 credits per term). Variable lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 259 **1-5 Credits**
Cooperative Work Experience

Prerequisite: Instructor permission.

Students participate in on-the-job training with natural resource agencies, Tribes, and private industry. Forestry, fisheries, wildlife, and other natural resources are the focus of this work experience. Trainees keep a daily diary of work, are evaluated periodically by their supervisor, and submit a final summary of their work. Students can participate for a maximum of ten credits (up to 5 credits per term). Variable lab hours. Vocational program course. May be used as a general elective in the AA degree.

Natural Resources

Nursing

Nursing

CNA 102 **9 Credits**
Certified Nursing Assistant Training

Prerequisite: Students must submit to Washington State Highway Patrol Criminal Background Check; provide documentation of TB skin test/chest X-ray and Hepatitis B immunization; and instructor permission.

The learner is introduced to basic nursing care, resident rights, safety and emergency nursing procedures. Principles of therapeutic relationships and client care are presented as well as the legal/ethical issues related to nursing assistant practice. Students demonstrate competencies required to assist in giving basic nursing care to patients in long-term care agencies under the supervision of the instructor or licensed nursing staff. AIDS education and training (8 hours) and CPR certification (8 hours) are included. 5 lecture hours and 8 lab hours.

NURS 149 **2 Credits**
Transition from LPN to ADN

Prerequisites: Graduation from an approved nursing program. Current unencumbered Washington State LPN license. Acceptance into the ADN nursing program. Evidence of clinical practice within the last three years.

This course is for students who are new to Grays Harbor College or who are former Grays Harbor College practical nursing program graduates who have been out of school for more than one year. It is designed to facilitate the articulation of the licensed practical nurse into the role of student in the associate degree program. The student will be introduced to the philosophy, conceptual framework, and conceptual organizers of the Grays Harbor College nursing curriculum. The LPN is introduced to the expectations of students in clinical courses and evaluated regarding ability to use nursing process and to perform sterile procedures and administer medications safely. Students will receive instruction in and opportunity to practice intravenous therapeutics. 1 lecture hour; 1 clinical hour.

NURS 151 **11 Credit**
Concepts Basic to Nursing

Prerequisites: Acceptance to the Nursing Program. Documentation of current NA-C in WA State. Current CPR certification & immunizations on file in nursing office.

Willingness to submit to criminal background checking. BIOL& 160 and PSYC& 100 with a grade of "C" or better.

Corequisite: BIOL& 260 or completion of with a grade of "C" or better.

The student is introduced to concepts basic to nursing including nursing roles, communication; ethical, legal, values, and attitudes; critical thinking; nursing process with emphasis on health assessment; professional responsibility and accountability; adaptation and maintenance of homeostasis; nursing interventions for clients experiencing fluid, electrolyte, or acid-base imbalances, immobility; surgery, and pain. The client as a holistic being is the central focus with emphasis on the aging individual.

Students will be given the opportunity to apply concepts and skills in selected health care facilities.

The student practices communication, health assessment, administration of medications, and sterile procedures in the campus lab and in clinical settings. 5 lecture hours; 12 clinical hours. Vocational program course. May be used as a general elective in the AA degree.

NURS 152 **3 Credits**
Nursing Pharmacology

Prerequisites: Acceptance to the Nursing Program. Documentation of current NA-C in WA State. Current CPR certification & immunizations on file in nursing office.

Willingness to submit to criminal background checking. BIOL& 160 and PSYC& 100 with a grade of "C" or better.

Corequisites: NURS 151; BIOL& 260 or completion with a grade of "C" or better.

The student examines the application of nursing process as it relates to pharmacology. Students will review basic math skills necessary for safe dosage calculations and learn pharmacology principles; legal considerations; and study of drug actions, adverse effects, and nursing implications of selected drug classifications. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

NURS 153 12 Credits**Common Health Alterations I**

Prerequisites: NURS 151 and NURS 152 with a grade of "C" or better; BIOL& 260 with a grade of "C" or better.

Corequisites: BIOL 208 and PSYC& 200 or completion with a grade of "C" or better.

The student will gain knowledge of nursing care of the client with selected common health alterations with nursing process and adaptation in health and illness as organizing frameworks. The focus includes concepts related to care of the normal childbearing family, chronic, stable mental health alterations; and cardiac, respiratory, endocrine (diabetes) system health alterations. The student has opportunities to integrate classroom concepts in acute and long-term care clinical settings. 6 lecture hours; 12 clinical hours. Vocational program course. May be used as a general elective in the AA degree.

NURS 154 12 Credits**Common Health Alterations II**

Prerequisites: NURS 153 with a grade of "C" or better; BIOL 208 and PSYC& 200 or completion of with a grade of "C" or better.

Corequisites: BIOL 209 and ENGL& 101 or completion of with a grade of "C" or better.

The student learns about nursing care of the client with selected common health alterations with nursing process and adaptation in health and illness as organizing frameworks. The focus includes concepts related to intravenous therapeutics, common childhood health alterations, gastrointestinal, musculoskeletal, and immune system health alterations, and care of the client with cancer. The student has opportunities to integrate classroom concepts in acute and long-term care clinical settings. 6 lecture hours; 12 clinical hours. Vocational program course. May be used as a general elective in the AA degree.

NURS 198 1 Credit**Personal & Vocational Relationships PN**

Prerequisites: Completion of NURS 151, 152, 153, 154 and all corequisite courses with a grade of "C" or better.

This is a course designed for nursing students wishing to take NCLEX-PN. It is approved by the Washington State Nursing Care Quality Assurance Commission to fulfill the requirements of the "Law as it relates to nursing practice in Washington State" WAC 246-840-575 (3) curriculum for approved nursing education programs: for practical nurse programs. This section of the Law requires practical nursing programs to include content about personal and vocational relationships and vocational and legal aspects of nursing.

NURS 251 13 Credits**Complex Health Alterations I**

Prerequisites: Completion of NURS 154 with a grade of "C" or better or Washington State LPN license and acceptance into ADN nursing program. *Corequisites:* NUTR& 101 or completion with a grade of "C" or better.

The student learns advanced principles and concepts related to the care of adults adapting to multisystem, high acuity health alterations. Care of the client with complex cardiac, respiratory, neurological, renal, emergency, thermal, and traumatic health alterations is studied. The student integrates advanced nursing concepts in caring for clients adapting to complex and life-threatening health alterations. The student applies nursing process in specialty areas, acute care and in community settings. The emphasis is on caring for more than one client with complex nursing care needs. 7 lecture hours; 12 clinical hours. Vocational program course. May be used as a general elective in the AA degree.

NURS 252 13 Credits**Complex Health Alterations II**

Prerequisite: Completion of NURS 251 and NUTR& 101 with a grade of "C" or better.

The student continues the study of advanced principles and concepts related to the care of adults adapting to multisystem, high acuity health alterations. Concepts related to the care of high-risk childbearing and child rearing families are presented. Nursing process is applied to women and their families adapting to complications of pregnancy, delivery and parenthood. Care of the child with complex health alterations is studied. Mental health concepts relating to the care of adults, families and children with severe or life-threatening psychiatric disorders, and the care of adults with complex endocrine and hematological health alterations are examined. The student applies nursing process in specialty areas, acute care and in community settings. 7 lecture hours; 12 clinical hours. Vocational program course. May be used as a general elective in the AA degree.

Nursing
 Nutrition
 Office Technology

NURS 253 10 Credits
Transition to Professional Practice

Prerequisites: NURS 252 with a grade of "C" or better. Corequisite: SOC& 101 or completion with a grade of "C" or better.

The student has the opportunity to explore role transition from student to professional practice. Leadership and management concepts are studied as they relate to managing care for groups of clients. Guiding principles of the course include working with others, time management, power and influence, managing conflicts, problem solving, sound clinical decisions making, change process, and managing stress in the workplace. Current issues in contemporary nursing practice are studied as are legal and ethical issues affecting nursing. Concepts related to care of the children with complex health needs are also included. 4 lecture hours; 12 clinical hours. Vocational program course. May be used as a general elective in the AA degree.

Nutrition

NUTR& 101 (was BIOL 160) 5 Credits
Human Nutrition

Prerequisite: Grade of "C" or better in BIOL& 100 or BIOL& 160 or instructor permission.
 A study of the structure, function, and metabolism of nutrients and their roles in preventing diseases related to nutrient deficiency in healthy people. Analysis of food labels and diet planning. This course is intended for science, nonscience, and health sciences students. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

Office Technology

OFTC 113 5 Credits
Document Formatting

Prerequisite: CIS 101 or keyboarding ability.
 Students will learn rules for preparing business letters, memos, tables, forms, and various reports (including meeting minutes, agendas, and itineraries) using word processing software. Speed and accuracy in the preparation of mailable copy is emphasized. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

OFTC 115 3 Credits
Electronic Math Applications

Prerequisite: MATH 059 or MATH 060 or instructor permission.

Students will learn the touch system on electronic calculators using special time-saving functions to solve math applications. Proficiency in speed and accuracy of the 10-key pad is emphasized. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

OFTC 116 3 Credits
Machine Transcription

Prerequisites: OFTC 113; BA 140 or instructor permission. Minimum typing speed of 35 wpm.
 This course reviews English fundamentals and emphasizes proficiency of machine transcription skills with word processing using general correspondence tapes. 2 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

OFTC 117 3 Credits
Medical Transcription

Prerequisites: AHLTH 130; and OFTC 116.
 This course reinforces medical terminology in anatomy and physiology by providing medical transcription practice utilizing word processing software and actual medical dictation. 2 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

OFTC 118 3 Credits
Medical Transcription II

Prerequisites: AHLTH 150; OFTC 117; or instructor permission.
 This course is designed to enhance the medical transcription skills learned in OFTC 117 in order to obtain the highest accuracy level and the highest output level. 2 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

OFTC 124 2 Credits
Keyboard Skillbuilding I

Prerequisite: CIS 101 or keyboarding ability.
 This individualized program builds keyboarding skills with a computer program that focuses on technique, speed, and accuracy through planned drill and practice exercises. 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

OFTC 125 **2 Credits**
Keyboard Skillbuilding II

Prerequisite: OFTC 124.

This individualized program builds keyboarding skills with a computer program that focuses on technique, speed, and accuracy through planned drill and practice exercises. 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

OFTC 126 **2 Credits**
Keyboard Skillbuilding III

Prerequisite: OFTC 125.

This individualized program builds keyboarding skills with a computer program that focuses on technique, speed, and accuracy through planned drill and practice exercises. 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

OFTC 132 **3 Credits**
Medical Records - Insurance Billing and Coding

Prerequisite: AHLTH 150 or concurrent enrollment or instructor permission.

Provides knowledge and skill in organizing and processing medical bills utilizing industry standard coding methods and manually completed CMS billing forms. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

OFTC 175 **3 Credits**
Medical Coding

Prerequisite: AHLTH 150 and OFTC 132 or instructor permission.

This course is designed for medical office technology students and allied health professionals seeking to gain greater proficiency in medical coding. The course includes hands-on coding in ICD diagnostic coding, CPT Level I procedural coding and HCPCS Level II coding, covering a wide variety of medical specialties. 2 lecture hours; 2 lab hours.

OFTC 205 **5 Credits**
Records Information Management

Prerequisites: MATH 093 and CIS 102 or instructor permission.

This course is a study of the principles of filing classification, storage, retrieval, and management of paper and electronic business records. Introduction to database software with hands-on practice in the maintenance and management of computerized databases. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

OFTC 220 **5 Credits**
Office Procedures and Ethics

Prerequisite: OFTC 113 or instructor permission.

This is a finishing course for students taking the office technology curriculum. Instruction and practice of office standards, routines, and procedures are given. Telephone/FAX usage, mail processing, email, communication, and human relations skills are included. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

OFTC 221 **3 Credits**
Medical Office Procedures

Prerequisite: AHLTH 130 or AHLTH 150 or concurrent enrollment.

This course is designed for medical office technology students simulating an actual medical office by scheduling, charting, processing paperwork, bill preparation and other general office procedures. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

OFTC 252 **5 Credits**
Desktop Publishing

Prerequisite: CIS 140 or instructor permission.

This course emphasizes professional use of desktop publishing software, including advanced text editing, in the production of various business documents. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

OFTC 253 **5 Credits**
Integrated Software Applications

Prerequisite: OFTC 252 or instructor permission.

This course is designed for the advanced student. It covers production jobs that would be expected of a secretary in an executive capacity utilizing integrated software packages. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

OFTC 254 **3 Credits**
Medical Office Computerized Information Processing

Prerequisite: AHLTH 130 or AHLTH 150 or concurrent enrollment.

The course is designed for the advanced student and includes computerized practice of actual medical office procedures utilizing Medisoft, the industry standard software. Students perform computerized simulations of patient processing from the scheduling call to the patient's final payment. 2 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

Office Technology

Philosophy

Physical Education

Philosophy

PHIL& 101 (was PHIL 100) 5 Credits
Introduction to Philosophy

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101.

An introduction to the oldest of academic disciplines, PHIL& 101 explores the discipline’s basic issues and traditional tools: the nature of reality, the limits of knowledge, the meaning of human value, and, as its primary tool, the rigorous employment of rational argument. 5 lecture hours. Satisfies humanities distribution area D requirement or specified elective for the AA degree.

Physical Education

PE 104 1 Credit
Pickleball

Prerequisite: Apparent good health or physician’s approval for participation.

This class is designed to introduce the student to the game of pickleball. Fundamental instruction in the use of equipment as well as an emphasis on court strategy will be stressed. Doubles and singles tournaments will be part of the class. 2 lab hours.

PE 106 1 Credit
Badminton

Prerequisite: Apparent good health or physician’s approval for participation.

This course is designed to meet the needs of all players interested in learning and improving their skills in badminton. 2 lab hours.

PE 108 1 Credit
Intermediate Pickleball

Prerequisite: Apparent good health or physician’s approval for participation; PE 104 or instructor permission.

A continuation of PE 104.

PE 109 1 Credit
Basketball (Co-ed)

Prerequisite: Apparent good health or physician’s approval for participation.

Fundamental skills and rules of basketball are taught. Skills include shooting, dribbling, passing, individual and team defense and offense. 2 lab hours.

PE 110 1 Credit
Intermediate Basketball (Co-ed)

Prerequisite: Apparent good health or physician’s approval for participation; PE 109 or instructor permission.

This class is designed for those with a basic knowledge and ability to play basketball. The class will stress development of advanced skills and team play. 2 lab hours.

PE 112 1 Credit
Intermediate Badminton

Prerequisite: Apparent good health or physician’s approval for participation; PE 106 or instructor permission.

A continuation of PE 106.

PE 113 1 Credit
Beginning Golf

Students in this class will learn the fundamentals of the golf swing, putting, and chipping. The basic rules of golf and golf etiquette will also be emphasized, along with the benefits of golf as a lifetime fitness activity. Students must provide their own golf clubs, balls and golf course fees to participate. 2 lab hours.

PE 114 1 Credit
Intermediate Golf

Prerequisite: PE 113.

This course is designed to help students not only learn how to improve their golf skills but their golf game. Emphasis will be on shot selection and shot execution. The rules of the game of golf and golf etiquette will also be taught. This class will promote the benefits of golf as a lifetime fitness activity. Students must provide their own clubs, golf balls and golf course fees to participate. 2 lab hours.

PE 116 1 Credit
Beginning Step Aerobics

Prerequisite: Apparent good health or physician’s approval for participation with modifications.

This class is designed to promote cardiovascular fitness through step aerobic routines set to music. Exercises for the abdominal muscles, hips, thighs and arms are also done to help strengthen and tone those muscle groups. 2 lab hours.

PE 117 **2 Credits**
Intermediate Step Aerobics

Prerequisites: Apparent good health or physician's approval for participation with modifications; PE 116 or instructor permission.

This course is designed to provide instruction on the major areas of lifetime fitness and wellness utilizing step aerobic routines and floor work. Concepts and techniques taught in PE 116 will be enhanced and built upon, providing the student with the necessary information to continue this activity for a lifetime. 4 lab hours.

PE 118 **2 Credits**
Advanced Step Aerobics

Prerequisites: Apparent good health or physician's approval for participation with modifications; PE 116 and PE 117 or instructor permission.

This class is designed to teach the student how to apply the principles of lifetime fitness and wellness utilizing step aerobics both in the class and outside the class. Students will be provided the opportunity to present a practical application of their knowledge during class. 4 lab hours.

PE 119 **1 Credit**
Beginning Social Dancing

Prerequisite: Apparent good health or physician's approval for participation with modifications.

This course introduces the student to the beginning levels of basic social dances. Students will develop confidence in the social dance situation in addition to gaining appreciation of and techniques for swing, foxtrot, Latin, waltz, polka, and schottische rhythms. Lifetime enjoyment, utilization of social skills, and enrichment of mental and physical health will be emphasized. 2 lab hours.

PE 120 **1 Credit**
Beginning Softball

Students in this class will learn the fundamental skills of fast pitch softball. The skills of hitting, fielding, throwing and pitching will be taught along with the basic strategies of offense and defense. The benefits of softball as a lifetime fitness activity will also be emphasized. Students must provide their own glove to participate. 2 lab hours.

PE 121 **1 Credit**
Exercise Walking, Beginning

Prerequisites: Apparent good health or physician's approval for participation with modification.

This class is designed to improve aerobic fitness and overall wellness through walking. The three components of exercise walking - the stride, posture and arm swing - will be emphasized, as well as important flexibility exercises. After needed orientation and screening, each student will work on an exercise walking program appropriate to his or her current level of fitness. This course will also introduce the student to the basic principles of physical fitness and promote this activity for lifetime wellness. 2 lab hours.

PE 122 **2 Credits**
Intermediate Exercise Walking

Prerequisites: Apparent good health or physician's approval for participation with modification; PE 121 or instructor permission.

This course will build on the principles of fitness and wellness learned in PE 121. After initial evaluation, each student will follow a walking program suited to his or her fitness level and more advanced walking techniques will be introduced. Students will learn the major components of lifetime fitness and wellness utilizing handouts and class discussion, all centered around the activity of exercise walking. 4 lab hours.

PE 124 **1 Credit**
Intermediate Softball

Prerequisite: PE 120.

Students in this class will further develop their softball skills and learn more advanced strategies of fast-pitch softball. Offensive skills, other than hitting, will be introduced and team concepts will be further enhanced. The benefits of softball as a lifetime fitness activity will also be emphasized. Each student must provide their own glove to participate. 2 lab hours.

PE 125 **1 Credit**
Beginning Volleyball

This course is designed to teach the fundamental skills of volleyball to the inexperienced or beginning-level player. The skills of serving, passing and spiking are emphasized along with basic strategies. The benefits of playing volleyball as a lifetime fitness activity are also emphasized. 2 lab hours.

Physical Education

PE 126 1 Credit

Intermediate Volleyball

Prerequisite: PE 125 or instructor permission.

This class is designed to enhance the basic skills of volleyball learned in PE 125. The more advanced techniques of blocking, setting and hitting will also be taught. Different strategies of offense and serving will be emphasized. The benefits of playing volleyball as a lifetime fitness activity will also be discussed. 2 lab hours.

PE 127 1 Credit

Advanced Volleyball

Prerequisite: PE 125 and PE 126 or instructor permission.

This class is designed for those with a basic knowledge and ability to play volleyball. The class will stress the development of advanced skills in the context of multiple offensive and defensive strategies. Emphasis will be on advanced techniques and building an understanding of the game itself. 2 lab hours.

PE 129 1 Credit

Weight Lifting

Prerequisite: Apparent good health or physician's approval for participation with modifications.

This class is designed to orient the student to the correct use of weight training equipment for the purposes of lifetime fitness. Instruction will focus on lifting for the purposes of strength and conditioning. 2 lab hours.

PE 130 2 Credits

Intermediate Weight Lifting

Prerequisite: Apparent good health or physician's approval for participation with modifications; PE 129 or instructor permission.

This is an intermediate level weight lifting program designed to help the student continue development of both size, strength and fitness conditioning. The theory of high repetition promoting strength is emphasized. 4 lab hours.

PE 131 2 Credits

Advanced Weight Lifting

Prerequisite: Apparent good health or physician's approval for participation with modifications; PE 130 or instructor permission.

This course requires the student to apply the physical fitness principles of weight lifting on an individual basis. Advanced weight training techniques are stressed. 4 lab hours.

PE 149 1 Credit

Mobility/Fitness for the Physically Challenged

This course provides students who are coping with a recent injury or disability, and are therefore in need of assistance with basic mobility, an exercise program adapted to their own personal strengths and capabilities. Emphasis will include building self-esteem, improving mobility and learning to adapt to new lifestyle demands. Students must provide medical documentation of injury/disability, including limitations for exercise, before workouts can begin. Workouts must be completed between 9:00 a.m. - 12:00 p.m. 2 lab hours.

PE 150 2 Credits

Fitness for the Physically Challenged

Prerequisite: PE 149 or instructor permission. This course will provide an opportunity to improve fitness for a disabled student by providing an exercise program adapted to his or her own personal strengths and capabilities. Emphasis will include building self-esteem and improving overall fitness. Any student with a documented physical disability, including those on Labor and Industries or SSI, disabled veterans, and/or an independent insurance disability may register for this class. Documentation, including exercise limitations, must be provided before workouts can begin. Students must be available to workout between 9:00 a.m. - 12:00 p.m. 4 lab hours.

PE 151 2 Credits

Intermediate Fitness for Physically Challenged

Prerequisite: PE 150 or instructor permission. This class provides students a progressive and sequential step forward to continue to enhance their fitness level established in PE 150. Each student will be provided an exercise program adapted to his or her own improving strengths and capabilities. Course highlights will continue to build self-esteem and improve fitness awareness. Students must be available to work out between 9:00 a.m. - 12:00 p.m. 4 lab hours.

PE 165 1 Credit

Beginning Baseball

This course is designed to teach the basic fundamental skills of baseball. Emphasis will be on throwing, batting, fielding and basic strategy. This course will also emphasize the benefits of all around fitness and lifetime activity. Time spent in class will be divided between drills and simulated scrimmage situations. The days and time of this class will be arranged by the instructor. Students must provide their own glove to participate. 2 lab hours.

PE 166 1 Credit**Intermediate Baseball**

Prerequisite: PE 165.

This course is a continuation of the Beginning Baseball class and will build upon the skills and strategies learned there. Emphasis will be placed on continued skill development with more advanced skills taught. More sophisticated offensive and defensive strategies will also be developed. The days and time of this class will be arranged by the instructor. Students must provide their own glove to participate. 2 lab hours.

PE 170 1 Credit**Fitness Lab**

Prerequisite: Apparent good health or physician's approval for participation with modifications.

This is a designed exercise system that will help the student become physically fit by training aerobically utilizing the concepts of circuit training within a personal exercise program. The goal for each student will be improved strength, fitness and flexibility. Proper technique and benefits of lifetime fitness will be emphasized. NOTE: Students should attend the first day of class. 2 lab hours.

PE 171 2 Credits**Intermediate Fitness Lab**

Prerequisites: Apparent good health or physician's approval for participation with modifications; PE 170 or instructor permission.

This is an intermediate level exercise program that will help students continue the development of their physical fitness by training aerobically, using stations, with the theory of high repetition. The emphasis of the program will be increased strength, better aerobic fitness with continued or increased flexibility. 4 lab hours.

PE 172 2 Credits**Advanced Fitness Lab**

Prerequisites: Apparent good health or physician's approval for participation with modification; PE 170 and PE 171 or instructor permission.

This course requires the student to apply the principles of physical fitness to his or her individual situation utilizing the fitness lab setting as well as outside opportunities. 4 lab hours.

PE 177 2 Credits**First Aid/CPR**

This course is designed to meet Department of Labor and Industry, OSHA and WISHA requirements. Intended for all students with a desire to have or who are required to have first aid and CPR training. 2 lecture hours.

Physics**PHYS& 121 (was PHYS 121)** 5 Credits
General Physics w/Lab I

Prerequisites: MATH& 142 or concurrent enrollment in MATH& 142 or instructor permission.

This course covers the first term of the general physics program. It partially satisfies the pre-curriculum requirements in medicine, dentistry, forestry and related fields. The main topic studied is mechanics including motion, energy and momentum. Problem solving and laboratory practices are integrated with this work. 5 lecture hours; 2 lab hours. Satisfies science or lab requirement area E distribution requirement or specified elective for the AA degree.

PHYS& 122 (was PHYS 122) 5 Credits
General Physics w/Lab II

Prerequisite: PHYS& 121.

A continuation of PHYS& 121, this course covers the second term of the general physics program. It partially satisfies the pre-curriculum requirements in medicine, dentistry, forestry and related fields. Topics studied include special relativity, heat, sound, fluid dynamics, and properties of matter. Problem solving and laboratory practices are integrated with this work. 5 lecture hours; 2 lab hours. Satisfies specified elective requirement for the AA degree.

PHYS& 123 (was PHYS 123) 5 Credits
General Physics w/Lab III

Prerequisite: PHYS& 122.

A continuation of PHYS& 122, this course covers the third term of the general physics program. It satisfies the pre-curriculum requirements in medicine, dentistry, and related fields. Topics studied include light, electricity, magnetism, optics, atomic and nuclear physics. Physical principles are illustrated with many life science applications. Problem solving and laboratory practices are integrated with this work. 5 lecture hours; 2 lab hours. Satisfies specified elective requirement for the AA degree.

Physical Education

Physics

Physics

Political Science

**PHYS& 221 (was PHYS 217) 5 Credits
Engineering Physics w/Lab I**

Prerequisite: MATH& 152 or concurrent enrollment in MATH& 152, or instructor permission.

PHYS& 221, 222, and 223 are the year-long introductory sequence in physics required for students majoring in the physical sciences and engineering. Topics included in the sequence include classical mechanics, thermodynamics, electromagnetism, fluid mechanics, waves, optics, and a brief introduction to modern physics including special relativity, particle physics and quantum mechanics. Calculus is used and applications and problem solving are emphasized. The main topic in PHYS& 221 is Newtonian mechanics. 5 lecture hours; 2 lab hours. Satisfies science or lab requirement area E distribution requirement or specified elective for the AA degree.

**PHYS& 222 (was PHYS 218) 5 Credits
Engineering Physics w/Lab II**

Prerequisites: PHYS& 221 and MATH& 153 or concurrent enrollment in MATH& 153 or instructor permission

This course is a continuation of PHYS& 221. Topics include fluid mechanics, thermodynamics, and electromagnetism. 5 lecture hours; 2 lab hours. Satisfies specified elective requirement for the AA degree.

**PHYS& 223 (was PHYS 219) 5 Credits
Engineering Physics w/Lab III**

Prerequisites: PHYS& 222 and MATH& 153 or instructor permission.

This course is a continuation of PHYS& 222. Topics include electromagnetism, waves, optics and modern physics. 5 lecture hours; 2 lab hours. Satisfies specified elective requirement for the AA degree.

Political Science

**POL S 102 5 Credits
Law and Society**

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120 or instructor permission.

Laws affect each and every one of us, impacting both our public and private lives from birth until our death. This course has been designed to provide each student with a basic knowledge and understanding of how the law controls each person's actions, what rights the individual has under our laws, and how laws are introduced and changed. Law is a system of social thought and behavior and provides the framework within which our disputes are resolved. Law and Society will examine the impact that constitutional law, administrative law, criminal law, civil law, and family law have on the individual. Same as CJUS 102; students may not receive credit for both. 5 lecture hours. Satisfies social science distribution area B requirement or as a specified elective in the AA degree.

**POL S 110 5 Credits
Law and Justice**

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120 or instructor permission.

Law and Justice will examine the basic trends in law and the social changes made within our communities. The focus will be the study and analysis of the concepts of family law, labor-relations law, welfare law, and civil rights laws as they impact each and every one of us. Same as CJUS 110; students may not receive credit for both. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

**POL S 200 5 Credits
Foreign Policy of the United States**

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101, or instructor permission. Completion of or concurrent enrollment in ENGL& 101.

This course offers a survey of the foreign policy adopted by the United States since 1898 and the responses to that policy in various areas of the world including Russia and the Soviet Union, China, the Middle East, and Central and South America. Emphasis will be placed on the conflicting interpretations of foreign policy controversies. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

**POLS& 202 (was POL S 230) 5 Credits
American Government**

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101, or instructor permission. Completion of or concurrent enrollment in ENGL& 101.

An introductory survey concerned with the political operation of the government of the United States, including origins of the Declaration of Independence and the Constitution, a close review of the three branches of government, the electoral process and a critique of current political issues. 5 lecture hours. Satisfies social science distribution area B requirement or specified elective for the AA degree.

Psychology

**PSYC& 100 (was PSYCH 100) 5 Credits
General Psychology**

Recommended Preparation: Placement in ENGL& 101.

An introduction to psychology utilizing lectures and group exercises. Deals with the psychology of behavior, development, learning, cognition, motivation and emotion, perception, memory, and both normal and abnormal personalities. Provides an overview of modern psychology in terms of biological, social and intrapsychic factors. 5 lecture hours. Satisfies social science distribution area D requirement or specified elective for the AA degree.

**PSYC& 180 (was PSYCH 130) 5 Credits
Human Sexuality**

Recommended Preparation: ENGL 095 or placement in ENGL& 101.

A survey of the biological, psychosocial, behavioral, cultural, and clinical dimensions of human sexuality and their interrelationships. Specific topics covered will be determined by class interests and needs. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

**PSYC& 200 (was PSYCH 220) 5 Credits
Lifespan Psychology**

Prerequisite: PSYC& 100 or instructor permission.

This course presents a comparative look at the various human development models. Students will have an opportunity to gain knowledge of the various stages of human development. This course typically fulfills basic requirements in human development for nursing, psychology and related occupations. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

**PSYC& 220 (was PSYCH 260) 5 Credits
Abnormal Psychology**

Recommended Preparation: ENGL& 101.

Prerequisite: PSYC& 100.

An introduction to the study of abnormal behavior utilizing lectures, group exercises and case studies. This course will cover organic and environmental etiology of abnormal behavior including various disorders related to stress, anxiety, substance abuse, sexuality and moods, as well as personality dysfunction. Also, methods of therapy including cognitive-behavioral, psychodynamic and experimental as they apply to individuals and groups will be discussed. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

**PSYCH 106 3 Credits
Applied Psychology**

Applications of theory and current research in psychology with major topics of personality, decision making, communications, motivation, learning and the workplace. Focuses on individual and group thought and behavior in the world of work. Emphasis is placed on change, personal and professional growth. 3 lecture hours. May be used as a general elective in the AA degree.

**PSYCH 210 5 Credits
Psychology of Adjustment**

Recommended Preparation: ENGL& 101

Prerequisite: PSYC& 100 or instructor permission.

Emphasis is placed on practical application of knowledge and techniques within various theoretical frameworks. These frameworks are applied to normal adjustment situations in human lifespan, such as gender-role development, love, sex, relationships, work, marriage, separation and divorce, and death and loss. Students will explore methods of effecting change in their lives. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

**PSYCH 250 5 Credits
Social Psychology**

Prerequisite: SOC& 101 or PSYC& 100.

This course is the basic, beginning course in social psychology. Included in the course is a study of human nature within sociocultural systems. Group processes, perception, self-concept, attitudes, and symbolic interaction are investigated. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

Political Science

Psychology

Reading

Sociology

Reading

READ 080 5 Credits
Developmental Reading/Study I

Prerequisite: Appropriate reading placement test score or instructor permission. Students must also enroll in READ 080 Lab.

Extensive reading in texts and on computer of developmental (8.0 - 10.0 grade level) academic, vocational, motivational, and Internet passages coupled with short writing assignments to build literal comprehension skills, vocabulary, and basic study techniques such as organization, note-taking and exam preparation. 3 lecture hours; 4 lab hours.

READ 081 5 Credits
Developmental Reading/Study II

Prerequisite: Instructor permission. Students must also enroll in READ 081 Lab.

A continuation of READ 080 for those students needing an additional quarter to reach the prescribed reading grade level. 3 lecture hours; 4 lab hours.

READ 090 5 Credits
College Preparatory Reading/Study I

Prerequisite: Appropriate reading placement test score or instructor permission. Students must also enroll in READ 090 Lab.

Extensive reading, in texts and on computer, of college preparation (10.0 - 12.9 grade level) academic, vocational, Internet, and general interest passages coupled with short writing assignments to build literal and inferential reading skills, vocabulary, and basic techniques such as note-taking, memory enhancement and exam preparation. 3 lecture hours; 4 lab hours.

READ 091 5 Credits
College Preparatory Reading/Study II

Prerequisite: Instructor permission. Students must also enroll in READ 091 Lab.

A continuation of READ 090 for those students needing an additional quarter to reach the prescribed reading grade level. 3 lecture hours; 4 lab hours.

READ 120 3 Credits
College Reading/Study Skills

Prerequisite: READ 090 or appropriate placement test score. Students must also enroll in READ 120 Lab.

Emphasizes analysis of college-level reading using specific techniques for critical comprehension, rate flexibility, and vocabulary development when reading to remember academic and vocational texts, technical manuals, Internet content and other nonfiction, fiction and poetry. Includes note-taking, text annotation, memory enhancement, and exam preparation. 2 lecture hours; 2 lab hours. Satisfies specified elective requirement for the AA degree.

Sociology

SOC 106 5 Credits
Juvenile Justice

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in READ 120.

This course will examine how the juvenile justice process has evolved and expanded as society has sought to understand, control and influence change in the delinquent behavior of children and youth. SOC 106 will examine the attitudes of and crimes committed by juvenile offenders, the juvenile legal system, and the response by police, courts and juvenile corrections. 5 lecture hours. Satisfies social science distribution area C requirement or specified elective for the AA degree.

SOC 140 5 Credits
Introduction to the Social Sciences

This course is intended to introduce students to the interdependence of four disciplines within the social sciences: geography, civics, economics, and history. The course covers basic content knowledge in the disciplines as it relates to the Washington State EALRs; emphasis will be placed on understanding how various academic disciplines rationalize social and physical phenomena. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

SOC 252 5 Credits
Marriage and Family

Recommended Preparation: ENGL 095 or placement in ENGL& 101.

A study of the development of the family, the family and personality development, courtship, mate selection, predicting marital adjustment, disruption and reorganization. 5 lecture hours. Satisfies social science distribution area C requirement or specified elective for the AA degree.

SOC& 101 (was SOC 110) 5 Credits
Introduction to Sociology

Recommended Preparation: ENGL 095 or placement in ENGL& 101.

An introduction to the principles, concepts, theories and methods of the sociological perspective. Emphasis is placed upon relating sociological ideas to national, community, and individual levels. 5 lecture hours. Satisfies social science distribution area C distribution requirement or specified elective for the AA degree.

SOC& 201 (was SOC 270) 5 Credits
Social Problems

Recommended Preparation: SOC& 101.

Study and analysis of social, economic and political cases of contemporary social problems. Examination of poverty, racial inequality, crime, deviance, alienation and anomaly, suicide, family disorganization and other similar social issues. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

Speech

SPCH 101 5 Credits
Fundamentals of Speech

Principles of effective oral communication including delivery, organization, content, and stress management. A functional approach to effective speaking with practical application in informative, impromptu, and persuasive speeches. 5 lecture hours. Satisfies humanities distribution area F requirement or specified elective for the AA degree.

SPCH 124 1-5 Credits
Broadcasting Practicum

Prerequisite: Instructor permission.

The course provides supervised work experience at a local radio or television station for students interested in pursuing careers in broadcasting, especially those who plan to transfer to four-year institutions in pursuit of such career goals. Variable hours. Satisfies general elective requirement for the AA degree.

SPCH 201 3 Credits
Fundamentals of Group Discussion

Introduction to problem solving in small groups. Emphasis is given to practical experience in group discussion participation and leadership. Additional attention is given to meeting management and panel discussion. 3 lecture hours. Satisfies humanities distribution area F requirement or specified elective for the AA degree.

Study Skills

STUDY 105 2 Credits
College Skills

Prerequisite: Students must be concurrently enrolled in a specific linked course and have instructor permission.

Emphasizes learning techniques specific to the study of one linked area such as a math, English, history, or biology class. Skills include previewing texts and course content, setting up study plans, taking notes from books and lectures, learning technical vocabulary, memory techniques, exam preparation, and using the library or other course related resources. 2 lecture hours. Satisfies general elective requirements for the AA degree. Theatre Arts

DRMA& 101 (was THEA 200) 5 Credits
Introduction to Theatre

Prerequisite: ENGL 095 or placement in ENGL& 101.

A theatre class from the spectator's point of view. All of the elements that make up the theatrical experience are examined including the contributions of the playwright, the director, the designer, and the actor. Professional and local productions are viewed and discussed in terms of both enjoyment and workability. 4 lecture hours, 2 lab hours. Satisfies humanities distribution area B requirement or specified elective for the AA degree.

THEA 151 1-3 Credits
Theatre Workshop

This class is made up of those who are in the cast or on the production staff of the play or plays being presented that quarter. A student may take this course six quarters. Satisfies specified elective requirement for the AA degree.

THEA 161 4 Credits
Introduction to Acting

An introduction to drama as a performing art with emphasis upon physical movement and the use of voice in the development of characterization. A functional approach to the basic techniques of acting with an in-class performance final. 4 lecture hours. Satisfies humanities distribution area B requirement or specified elective for the AA degree.

THEA 163 3 Credits
Introduction to Directing

Application of directing and staging techniques upon selected scenes and short plays for laboratory purposes. Included are the fundamentals of blocking, the achievement of emphasis and the development of aesthetic values. 3 lecture hours. Satisfies humanities distribution area B requirement or specified elective for the AA degree.

Sociology

Speech

Study Skills

Theatre Arts

Theatre Arts

Welding Technology

THEA 235 **4 Credits**
Stagecraft

Prerequisite: ENGL 095 or placement in ENGL& 101.
 Principles of set construction including design, drafting, technical production, scenery construction, color, scene painting, and the handling of scenery. 4 lecture hours. Satisfies specified elective requirement for the AA degree.

THEA 236 **4 Credits**
Stage Lighting

Prerequisite: ENGL 095 or placement in ENGL& 101.
 Principles of stage lighting including color and light, distribution intensity, light plotting and electricity. 4 lecture hours. Satisfies specified elective requirement for the AA degree.

THEA 270 **3 Credits**
Stage Makeup

Prerequisite: ENGL 095 or placement in ENGL& 101.
 Principles of stage makeup including corrective, modeling with paint, three-dimensional, creation of beards and mustaches, and non-realistic. A workshop to develop skills with practical application in stage makeup techniques. 3 lecture hours. Satisfies specified elective requirement for the AA degree.

Welding Technology

WELD 100 **5 Credits**
Welding Blueprint Reading

Prerequisites: Placement in MATH 060 and ENGL 060; or instructor permission.
 Introduction to shop drawings, welding symbols, and basic blueprints. Emphasis is on interpretation of drawing information in order to determine individual part, joint, and weld dimensions. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

WELD 101 **6 Credits**
Related Welding I

Students are given an overview of welding employment opportunities, the most common welding processes (SMAW, GMAW, FCAW and GTAW), and oxyacetylene cutting and heating. 3 lecture hours; 6 lab hours. Vocational program course. May be used as a general elective in the AA degree.

WELD 102 **6 Credits**
Related Welding II

A lecture-lab course to build upon skills learned in WELD 101. The course promotes proper work habits and safe work practices. Training increases skills with oxy-fuel cutting and common manual and semi-automatic welding processes. 3 lecture hours; 6 lab hours. Vocational program course. May be used as general elective in the AA degree.

WELD 103 **6 Credits**
Related Welding III

A lecture-lab course to build upon skills learned in WELD 101 and WELD 102. The course promotes proper work habits and safe work practices. Advanced joint configurations are cut, fit, and welded with common manual and semi-automatic cutting and welding processes. Students will be provided the opportunity to practice for certification testing. 3 lecture hours; 6 lab hours. Vocational program course. May be used as a general elective in the AA degree.

WELD 110 **16 Credits**
Beginning Welding

Prerequisites: Placement in MATH 060 and ENGL 060; and instructor permission.
 A lecture-lab course to provide an introduction to safe industrial work practices, work ethics, oxy-fuel cutting and common manual and semi-automatic welding processes. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

WELD 120 **16 Credits**
Intermediate Welding

Prerequisites: Placement in MATH 060 and ENGL 060; and instructor permission.
 A lecture-lab course to build upon skills in WELD 110. This course promotes work habits and safe work practices. Training increases skills with oxy-fuel cutting and common manual and semi-automatic welding processes. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

WELD 130 **16 Credits**
Advanced Welding

Prerequisites: Placement in MATH 060 and ENGL 060; and instructor permission.
 A lecture-lab course to build upon skills learned in WELD 120. Work habits and safety are emphasized. Advanced joint configurations are cut, fit, and welded in all positions with common manual and semi-automatic cutting and welding processes. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

WELD 240 **16 Credits**
Pipe Welding

Prerequisites: Placement in MATH 060 and ENGL 060; and instructor permission.

A lecture-lab course to build upon skills learned in WELD 110 through WELD 130. Pipe is stick and TIG welded in all positions. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

WELD 245 **16 Credits**
Fabrication

Prerequisites: Placement in MATH 060 and ENGL 060; and instructor permission.

A lecture-lab course to build upon skills learned in WELD 100 through WELD 130. Course covers basic layout and fitting. Student will be assigned projects to design, draw, and build. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

WELD 250 **16 Credits**
Certification

Prerequisites: Placement in MATH 060 and ENGL 060; and instructor permission.

A lecture-lab course to build upon skills learned in WELD 110 through WELD 245. Course covers selected industry certification test requirements, procedures, and acceptance standards. Successful students will practice and pass selected certification tests. Testing fees apply for each certification test. Course includes a capstone exam to ensure retention of competency in previous Welding Technology program course topics. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

Yacht Finish Carpentry

YFC 070 **2.5 Credits**
Yacht Finish Carpentry I

This course will introduce students to the basic tools, materials, adhesives, fasteners, and methods of yacht finish carpentry. Safety and the practical use of tools and materials will be stressed. 1.5 lecture hours; 2 lab hours. Vocational program course.

YFC 071 **2.5 Credits**
Yacht Finish Carpentry II

Prerequisite: YFC 070 or Instructor permission and some finish carpentry experience.

This course will continue instruction in basic tools, materials, adhesives, fasteners, and mid-level methods of Yacht Finish Carpentry. Safety and the practical use of tools and materials will be stressed. 1.5 lecture hours; 2 lab hours. Vocational program course.

YFC 072 **2.5 Credits**
Yacht Finish Carpentry III

Prerequisite: YFC 071 or instructor permission.

This course will continue instruction in the tools, adhesives, fasteners, and methods of Yacht Finish Carpentry. Safety and the practical use of tools and materials will be stressed. 1.5 lecture hours; 2 lab hours. Vocational program course.

YFC 074 **2.5 Credits**
Yacht Finish Carpentry IV

Prerequisite: YFC 072 or instructor permission.

This is the fourth in a series of six courses. Students will complete projects to enhance their problem solving abilities, to work more efficiently and to create higher quality products. The course will introduce advanced techniques, processes and methods using table and band saws and build upon the student's use of tools, materials, adhesives, and fasteners used in yacht finish carpentry. 1.5 lecture hours; 2 lab hours. Vocational program course.

YFC 075 **2.5 Credits**
Yacht Finish Carpentry V

Prerequisites: YFC 072 with a grade of "C" or better or instructor permission.

Students will complete projects to enhance their problem solving abilities, to work more efficiently and to create higher quality products. The course will introduce advanced techniques, processes and methods using routers and miter saws and build upon the student's use of tools, materials, adhesives, and fasteners used in yacht finish carpentry. 1.5 lecture hours; 2 lab hours. Vocational program course.

YFC 076 **2.5 Credits**
Yacht Finish Carpentry VI

Prerequisites: YFC 072 with a grade of "C" or better or instructor permission.

Students will complete projects to enhance their problem solving abilities, to work more efficiently and to create higher quality products. The course will introduce advanced techniques, processes and methods using jointers and planers and build upon the student's use of tools, materials, adhesives and fasteners used in yacht finish carpentry. 1.5 lecture hours; 2 lab hours. Vocational program course.

Welding
Technology

Yacht Finish
Carpentry