

Winter Quarter Class Schedule

ACCOUNTING

ACCT 113 Introduction to Accounting I 5 Prerequisites: READ 090, completion of or current enrollment in MATH 070 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.

A400 ACCT 113 A MTWTh 09:00AM-09:50AM 308 Jones D

ACCT 175 Business and Payroll Tax Accounting 3
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 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.

A405 ACCT 175 A MWTh 08:00AM-08:50AM 2101 Miller N

ACCT& 201 Principles of Accounting I 5
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.

A410 ACCT& 201 A MTWTh 12:00PM-12:50PM 308 Jones D

ACCT& 202 Principles of Accounting II 5
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.

▲ W025 ACCT& 202 17 ARR ARR ARR W1 WAOL (Staff)

AIDS

AIDS 102 Health Care Perspective on AIDS 0.8
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.

X703 AIDS 102 37 ARR ARR ARR Woodruff P

ALCOHOL/SUBS ABUSE

ALSA 125 The Dysfunctional Family 3
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.

X711 ALSA 125 17 T 04:00PM-06:20PM 2103 Newman J

ALLIED HEALTH

AHLTH 150 Comprehensive Medical Terminology 5
Prerequisite: READ 090 or placement in college level reading. 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.

▲ Y047 AHLTH 150 57 ARR ARR ARR W2 Lee R

▲ Y044 AHLTH 150 67 ARR ARR ARR W2 Dykes J

AMERICAN SIGN LANGUAGE

ASL 197 Beginning Sign Language II 3
Prerequisite: ASL 196 or instructor permission.

This course is the second in a series of three which introduces students to American Sign Language (ASL) grammar, finger-spelling, numbers, Deaf culture and history in North America. ASL is the language used predominantly by the Deaf communities in the U.S. and Canada. This beginning course is designed to provide non-native signers an opportunity to sign.

X771 ASL 197 17 T 05:30PM-08:35PM 2104 Ramsey A

ANTHROPOLOGY

ANTH& 100 Survey of Anthropology 5
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.

▲ W055 ANTH& 100 37 ARR ARR ARR W1 WAOL (Staff)

ANTH& 204 Archaeology 5

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.

▲ W070 ANTH& 204 17 ARR ARR ARR W1 WAOL (Staff)

ANTH& 206 Cultural Anthropology 5

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.

▲ W075 ANTH& 206 17 ARR ARR ARR W1 WAOL (Staff)

ART

ART& 100 Art Appreciation 5
Recommended Preparation: ENGL& 101. Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading.

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.

B400 ART& 100 A DAILY 09:00AM-09:50AM 2250 Sandgren E

▲ Y101 ART& 100 47 ARR ARR ARR W2 Michael T

ART 101 Drawing I 5
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.

B403 ART 101 A TTh 10:00AM-11:50AM 321 Sandgren E
F ARR 321 Sandgren E

Winter 2012

ART 102 Drawing II 5

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.

B406	ART	102 A	TTh	10:00AM-11:50AM	321	Sandgren E
			F	ARR	321	Sandgren E

ART 103 Drawing III 5

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.

B409	ART	103 A	TTh	10:00AM-11:50AM	321	Sandgren E
			F	ARR	321	Sandgren E

ART 104 Design I 5 credits

Recommended Preparation: ENGL & 101. Prerequisites: 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.

B411	ART	105 A	MW	10:00AM-11:50AM	319	Sandgren E
			F	ARR	319	Sandgren E

ART 105 Design II 5

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.

B410	ART	105 A	TTh	01:00PM-02:50PM	319	Sandgren E
			F	ARR	319	Sandgren E

ASTRONOMY

ASTRO 101 Astronomy 5

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.

D400	ASTRO	101 A	DAILY	09:00AM-0950AM	806	Hillier J
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AUTO TECHNOLOGY

AUTO 212 Fuel Systems/Electronic/Computer Controls 16

Prerequisites: Placement in MATH 060, ENGL 060 and READ 080; and 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.

F410	AUTO	212 A	DAILY	07:30AM-11:50AM	1916	Samson D
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AUTO 224 Cooperative Work Experience 1-5

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.

F412	AUTO	224 A	ARR	ARR	1916	Samson D
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BIOLOGICAL SCIENCES

BIOL& 100 Survey of Biology 5

Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading; Math 095 or placement in Math 098 or higher. Corequisite: Concurrent enrollment in BIOL& 100 Lab.

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.

▲ Y160	BIOL&	100 37	ARR	ARR	ARR	W2	Ibrahim M
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BIOL& 160 General Biology w/lab 5

Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading; MATH 095 or placement in MATH 098 or higher. Corequisite: Concurrent enrollment in BIOL& 160 Lab.

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.

D402	BIOL&	160 A	MTWTh	12:00PM-12:50PM	317	Ibrahim M
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BIOL& 160L General Biology Lab 0

Corequisite: Concurrent enrollment in BIOL& 160 Lecture.

D404	BIOL&	160L1	W	01:00PM-02:50PM	311	Ibrahim M
D405	BIOL&	160L2	Th	01:00PM-02:50PM	311	Ibrahim M

BIOL& 223 Biological Science III: Plant/Animal A & P 5

Prerequisites: A grade of "C" or better in BIOL& 222 or instructor permission. Corequisite: Concurrent enrollment in BIOL& 223 Lab.

The third course in a three-quarter sequence for students intending to take advanced courses in the biological sciences or to enroll in pre-professional health programs. The course covers basic botanical and 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. Offered winter quarter.

D407	BIOL&	223 A	MTWTh	10:00AM-10:50AM	311	Ibrahim M
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BIOL& 223L Biological Science III: Plant/Animal A & P Lab 0

Corequisite: Concurrent enrollment in BIOL& 223 Lecture.

D408	BIOL&	223L1	F	01:00PM-03:50PM	311	Ibrahim M
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BIOL& 241 Human Anatomy/Physiology I 5

Recommended Preparation: AHLTH 130. Prerequisites: Grade of "C" or better in BIOL& 160 or BIOL& 221 within the last 5 years. Corequisite: Concurrent enrollment in BIOL&241 Lab.

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.

R416	BIOL&	241 A	MTWTh	10:00AM-10:50AM	317	Forson D
R417	BIOL&	241 B	MTWTh	11:00AM-11:50AM	317	Forson D
R418	BIOL&	241 C	TWTh	05:30PM-07:20PM	317	Forson D
			W	05:30PM-08:20PM	317	Forson D

BIOL& 241L Human Anatomy/Physiology I Lab 0
Corequisite: Concurrent enrollment in BIOL& 241 Lecture.
 D419 BIOL& 241L1 F 09:00AM-11:50AM 315 Forson D
 D420 BIOL& 241L2 T 01:00PM-03:50PM 315 Forson D
 D421 BIOL& 241L3 W 01:00PM-03:50PM 315 Forson D
 D422 BIOL& 241L4 Th 01:00PM-03:50PM 315 Forson D

BTECH 117 Medical Transcription 3
Prerequisites: AHLTH 150 and BA 140.
 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.
 X812 BTECH 117 17 T 06:00PM-09:20PM 2205 Bonneville V

BUSINESS

BA 124 Cooperative Work Experience 1-5
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.

A414 BA 124 A ARR ARR ARR Miller D

BA 140 Business English 3
Prerequisite: A grade of "C" or better in ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading.

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.

A416 BA 140 A MWTh 11:00AM-11:50AM 2204 Blankenship

BA 150 Fundamentals of Finance 5
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.

A418 BA 150 A DAILY 01:00PM-01:50PM 2101 Blankenship

BA 224 Advanced Cooperative Work Experience 1-5
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.

A423 BA 224 A ARR ARR ARR Miller D

BUS& 101 Introduction to Business 5
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.

▲ Y175 BUS& 101 37 ARR ARR ARR W2 Zerr M

BUS& 201 Business Law 5
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.

A421 BUS& 201 A MTWTh 10:00AM-10:50AM 2101 Zerr M

BUSINESS TECHNOLOGY

BTECH 113 Document Formatting 5
Prerequisite: CIS 101 or keyboarding ability and CIS 100.

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.

R540 BTECH 113 A TTh 10:00AM-10:50AM 2205 H Miller D

BTECH 115 Electronic Math Applications 3
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.

A543 BTECH 115 A MWTh 09:00AM-09:50AM 2204 Blankenship

BTECH 118 Medical Transcription II 3
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.

X813 BTECH 118 17 T 06:00PM-09:20PM 2205 Bonneville V

BTECH 124 Keyboard Skillbuilding I 2
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.

▲ Y551 BTECH 124 A ARR ARR ARR W2 Miller D

BTECH 125 Keyboard Skillbuilding II 2
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.

▲ Y552 BTECH 125 A ARR ARR ARR W2 Miller D

BTECH 126 Keyboard Skillbuilding III 2
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.

▲ Y553 BTECH 126 A ARR ARR ARR W2 Miller D

BTECH 132 Medical Records - Insurance Billing and Coding 3
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.

X811 BTECH 132 17 W 06:00PM-08:20PM 2205 Bonneville V

BTECH 140 Word Processing Applications 5
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.

R454 BTECH 140 A TTh 12:00PM-12:50PM 2205 H Miller D

BTECH 141 PowerPoint 2
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.

R457 BTECH 141 A W 11:00AM-11:50AM 2205 H Jones D

Note: Item R457 is a hybrid course which will meet on campus for 4 sessions on the following Wednesdays: January 4, January 11, February 8, and March 19, 2012. All classes meetings are mandatory

BTECH 150 Excel 5
Prerequisites: MATH 070; 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.

R458 BTECH 150 A MW 01:00PM-01:50PM 2205 H Miller D

BTECH 252 Desktop Publishing 5
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.

R600 BTECH 252 A TTh 01:00PM-01:50PM 2205 H Miller D

Class Schedule

CARPENTRY TECHNOLOGY

CARP 121 Residential and Commercial Carpentry I 16

Prerequisites: Placement in MATH 060, ENGL 060 and READ 080; and instructor permission.

A lecture-lab course to provide an introduction to safe work practices, work ethics, basic tool use, and carpentry concepts. Students may participate in the construction of a home on a working jobsite. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F435 CARP 121 A DAILY 07:30AM-11:50AM 706 Pratt A
 CARP 122 Residential and Commercial Carpentry II 16 Prerequisite: Completion of CARP 121 with a passing grade and instructor permission.

A lecture-lab course to build upon the skills learned in CARP 121. Training increases skills and expands tasks learned in CARP 121. Students may participate in the construction of a home on a working jobsite. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F440 CARP 122 A DAILY 07:30AM-11:50AM 706 Pratt A

CARP 123 Residential and Commercial Carpentry III 16

Prerequisite: Completion of CARP 122 with a passing grade and instructor permission.

A lecture-lab course to build upon the skills learned in CARP 122. Training increases skills and expands tasks learned in CARP 122. Students may participate in the construction of a home on a working jobsite. Tasks 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.

F445 CARP 123 A DAILY 07:30AM-11:50AM 706 Pratt A

CARP 221 Residential and Commercial Carpentry IV 16

Prerequisite: Completion of CARP 123 with a passing grade and instructor permission.

A lecture-lab course to build upon the skills learned in CARP 121-123. Training increases skills and expands tasks learned in CARP 121-123. Students may participate in the construction of a home on a working jobsite. Tasks completed to industry standards and increase in complexity. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F450 CARP 221 A DAILY 07:30AM-11:50AM 706 Pratt A

CARP 222 Residential and Commercial Carpentry V 16

Prerequisite: Completion of CARP 221 with a passing grade and instructor permission. A lecture-lab course to build upon the skills learned in CARP 121-221. Training increases skills and expands tasks learned in CARP 121-221. Students may participate in the construction of a home on a working jobsite. Tasks completed to industry standards and increase in complexity. Problem solving is emphasized. Leadership opportunities are presented. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F455 CARP 222 A DAILY 07:30AM-11:50AM 706 Pratt A

CARP 223 Residential and Commercial Carpentry VI 16

Prerequisite: Completion of CARP 222 with a passing grade and instructor permission.

A lecture-lab course to build upon the carpentry skills learned in CARP 121-222. Training increases skills and expands tasks learned in CARP 121-222. Students may participate in the construction of a home on a working jobsite. Tasks are completed to industry standards and increase in complexity. Problem solving is emphasized. Leadership opportunities are presented. Course includes a capstone exam to ensure retention of competency in previous Carpentry Technology program topics. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F460 CARP 223 A DAILY 07:30AM-11:50AM 706 Pratt A

CHEMISTRY

CHEM& 110 Chemical Concepts w/Lab 5

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

An introduction to the fundamental principles of chemistry and the predictive power chemistry provides. Topics include elements, compounds, and mixtures; periodic properties of the elements; atomic theory and structure; molecular structure and chemical bonding; chemical notation and nomenclature; mass and molar relations; chemical reactions and the mass and energy changes accompanying them; simple thermodynamics; equilibrium, equilibrium constants and kinetics; properties of gases, liquids, solids, and solutions; properties of acids, bases, and pH; connections between chemistry and daily life. Satisfies science or lab requirement area B distribution or specified elective for the AA degree. This course does not meet the chemistry requirement for the Associate in Pre-Nursing DTA or the chemistry admissions requirement for the Associate in Applied Science Nursing degree.

▲ W190 CHEM& 110 37 ARR ARR ARR W1 WAOL (Staff)

CHEM& 162 General Chemistry w/Lab II 6

Prerequisites: A grade of "C-" or better in both CHEM& 161 and MATH& 141 (or placement in MATH& 142). Corequisite: Concurrent enrollment in CHEM& 162 Lab.

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.

D441 CHEM& 162 A MTWF 09:00AM-09:50AM 802 Jones R

CHEM& 162L General Chemistry Lab II 0

Corequisite: Concurrent enrollment in CHEM& 162 Lecture.

D444 CHEM& 162L1 TTh 01:00PM-02:50PM 858 Jones R

COMMERCIAL DRIVER LICENSE

CDL 100 Forklift Certification Training 1

This class provides all the necessary instruction and training required by the forklift regulation and it prepares the student for the site-specific evaluation required by regulation (the forklift code requires that all forklift operators be evaluated by the employer operating forklifts in the actual work environment). Forklift operator certification is required every three years or sooner if the operator fails the evaluation; uses unsafe behavior; or has an accident or near miss. Training is completed in one day.

F490 CDL 100 A W 07:30AM-05:00PM SATSOP Church K

CDL 101 Commercial Driver's License Training 8

Prerequisites: Place 220 or higher on CASAS test or place at READ 080, program application packet, clear 5-year driving abstract. DOT physical; valid CDL permit from Washington State; meet the Federal Motor Carrier Safety Regulations, Sections 391.41 and 391.49; 5; pass a DOT alcohol and substance abuse test (contact 360-538-4011 for all program details). Concurrent enrollment in CDL 120 and 130. All core CDL courses need to be completed with a grade of "C" or better.

Training is for entry-level long haul truck driving jobs and CDL testing. This course begins with the basics of the trucking industry and the equipment involved; DOT rules and regulations; safety, mechanical overview of the trucks; control systems, inspection of equipment; mechanical components; brake adjustment; preventative maintenance; servicing; defensive driving techniques; cargo loading, securement and documentation; trip planning; managing life on the road, personal resources, defensive driving; and communication and multicultural competencies are stressed.

F481 CDL 101 A TTh 07:30AM-05:00PM SATSOP Scott L

CDL 120 Range Operations and Equipment 2

Corequisites: Concurrent enrollment in CDL 101 and 130.

After the classroom instruction, students will move to the practice area and backing range. This includes but is not limited to safety, vehicle control, starting, shifting, proper cornering, straight backing and docking, backing and maneuvering.

F482 CDL 120 A TTh 07:30AM-05:00PM SATSOP Scott L

CDL 125 Range Operations and Maneuvers II 5

Prerequisites: Completion of CDL 101, 120 and 130 with a grade of "C" or better. Corequisites: Concurrent enrollment in CDL 135, 140, and 141.

Students will enhance and practice backing and maneuvering skills. This will include but is not limited to safety, 45 degree blind site backing, 90 degree sight backing, 90 degree blind sight backing, "S" backing, and other advanced backing and maneuvering.

F485 CDL 125 A MW 07:30AM-05:00PM SATSOP Scott L
 F ARR ARR Scott L

CDL 130 Range Operations and Beginning Over the Road 6

Corequisites: Concurrent enrollment in CDL 101 and 120.

After the classroom instruction and basics in the practice area and backing range, students will begin over the road practice. This will include but not be limited to safety, visual search, vehicle communication; speed and space management; up-and down-hill maneuvers; highway, city and driving maneuvers and techniques; lane changes; and defensive driving.

F483 CDL 130 A TTh 07:30AM-05:00PM SATSOP Scott L

CDL 135 Over the Road Driving II 3

Corequisites: Concurrent enrollment in CDL 125, 140, and 141. Students will enhance and practice over the road skills. This will include, but not be limited to, safety; night operations; extreme driving conditions; hazard perception; emergency maneuvers and skid avoidance; skid control and recovery; and other advanced driving techniques.

F486 CDL 135 A MW 07:30AM-05:00PM SATSOP Scott L
 F ARR ARR Scott L

CDL 140 Work Based Learning Seminar 1

Corequisites: Concurrent enrollment in CDL 125, 135, and 141.

Discussion of issues surrounding the work site experiences in CDL 141. Work ethics, leadership, interpersonal communication, problem-solving and success in the work place are emphasized.

F487	CDL	140 A	MW	ARR SATSOP	Church K
			F	ARR ARR	Church K

CDL 141 Work Based Learning 7

Corequisites: Concurrent enrollment in CDL 125, 135, and 140.

Advanced on-the-job training for entry-level long haul truck driving jobs and CDL testing. Truck drivers in the program are on the road for approximately 231 hours (split between driving time and navigating time). Behind the wheel practice includes backing techniques, proper cornering, up- and down-hill maneuvers, space and speed management, coupling/uncoupling, city and highway maneuvers. Training on cargo loading, securement and documentation, map reading, DOT logbooks, trip planning, accident and fire prevention and reporting, hazardous material transportation and documentation.

F488	CDL	141 A	ARR	ARR ARR	Church K
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COMPUTER INFORMATION

CIS 100 Introduction to Personal Computers 2

Corequisite: Concurrent enrollment in CIS 100 Lab.

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.

A434	CIS	100 A	T	09:00AM-09:50AM	2312	Lenz M
A436	CIS	100 B	T	12:00PM-12:50PM	2312	Blankenship S

CIS 100L Introduction to Personal Computers Lab 0

Corequisite: Concurrent enrollment in CIS 100 Lecture.

A435	CIS	100L1	Th	09:00AM-09:50AM	2312	Lenz M
A437	CIS	100L2	Th	12:00PM-12:50PM	2312	Blankenship S

CIS 101 Keyboarding 2

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.

A441	CIS	101 A	TTh	11:00AM-11:50AM	2205	Miller D
A440	CIS	101 B	MW	12:00PM-12:50PM	2205	Miller D

CIS 102 Introduction to Microsoft Office 3

Prerequisite: READ 080. Recommended Preparation: CIS 100 and CIS 101 or concurrent enrollment.

This course introduces Microsoft Office Suite and emphasizes hands on experience. Student will work with various applications including electronic spreadsheets, word processing and presentation software. 2 lecture hours, 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

A442	CIS	102 A	MW	09:00AM-09:50AM	2312	Lenz M
A443	CIS	102 B	MW	10:00AM-10:50AM	2312	Blankenship S
A445	CIS	102 C	TTh	11:00AM-11:50AM	2312	Lenz M
R734	CIS	102 47	Th	06:00PM-08:00PM	2312	H Miller D

Note: Item R734 is a hybrid course which will meet on campus for 4 sessions on January 5, February 2, March 1 and March 22, 2012. The first class meeting is mandatory.

CIS 102L Microcomputer Applications Lab 0

Corequisite: Concurrent enrollment in CIS 102 Lecture.

A446	CIS	102L1	Th	09:00AM-09:50AM	2205	Lenz M
A447	CIS	102L2	Th	10:00AM-10:50AM	2312	Blankenship S
A448	CIS	102L3	W	11:00AM-11:50AM	2312	Lenz M

CIS 110 Introduction to Programming 5

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). Corequisite: Concurrent enrollment in CIS 110 Lab.

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.

▲ W205	CIS	110 47	ARR	ARR ARR	W1 WAOL(Staff)
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CIS 125 Internet Fundamentals 5

Prerequisite: CIS 102 with a grade of "C" or instructor permission. Corequisite: Concurrent enrollment in CIS 125 Lab.

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.

A450	CIS	125 A	MTW	10:00AM-10:50AM	454	Jones D
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CIS 125L Internet Fundamentals Lab 0

Corequisite: Concurrent enrollment in CIS 125 Lecture.

A451	CIS	125L1	Th	10:00AM-10:50AM	454	Jones D
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CRIMINAL JUSTICE

CJ& 101 Introduction to Criminal Justice 5

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading 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.

▲ W220	CJ&	101 37	ARR	ARR ARR	W1 WAOL(Staff)
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CJUS 104 The Line Officer Function: Police & Corrections 5

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading 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.

▲ W235	CJUS	104 37	ARR	ARR ARR	W1 WAOL(Staff)
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CJUS 151 Drugs and Our Society 5

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.

E403	CJUS	151 A	MTWTh	10:00AM-10:50AM	2416	Bradbury R
E404	CJUS	151 B	MTWTh	11:00AM-11:50AM	2416	Bradbury R

CJUS 258 Criminal Justice Internship 1-5

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.

E405	CJUS	258 A	ARR	ARR ARR	Bradbury R
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DIESEL TECHNOLOGY

DT 121 Introduction to Diesel Technology 16

Prerequisites: Placement in MATH 060, ENGL 060 and READ 080; 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.

F471	DT	121 A	DAILY	07:30AM-11:50AM	1803	Buisman B
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DT 122 Intermediate Diesel Technology 16

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

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.

F472	DT	122 A	DAILY	07:30AM-11:50AM	1803	Buisman B
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Winter 2012

DT 123 Advanced Diesel Technology 16

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

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.

F473 DT 123 A DAILY 07:30AM-11:50AM 1803 Buisman B

DT 221 Diagnostics, Testing and Repair 16

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

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.

F474 DT 221 A DAILY 07:30AM-11:50AM 1803 Buisman B

DT 222 Advanced Diagnostics, Testing and Repair 16

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

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.

F475 DT 222 A DAILY 07:30AM-11:50AM 1803 Buisman B

DT 223 Certification and Testing 16

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

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.

F476 DT 223 A DAILY 07:30AM-11:50AM 1803 Buisman B

EARLY CHILDHOOD EDUCATION

ECE 101 Introduction to Childcare 2

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.

▲ W280 ECE 101 37 ARR ARR ARR W1 WAOL(Staff)

ECE 103 Guiding the Behavior of Young Children 3

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.

▲ W295 ECE 103 37 ARR ARR ARR W1 WAOL(Staff)

ECE 111 Methods of Curriculum Care 3

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.

▲ W310 ECE 111 37 ARR ARR ARR W1 WAOL(Staff)

ECE 112 Health, Nutrition and Safety for Young Children 3

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.

▲ W325 ECE 112 37 ARR ARR ARR W1 WAOL(Staff)

ECE 114 Issues and Trends in ECE 3

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 caregiving for young children in an ECE environment. 3 lecture hours. May be used as a general elective in the AA degree.

▲ W345 ECE 114 37 ARR ARR ARR W1 WAOL(STAFF)

EDUC& 114 Child Development 3

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.

▲ W385 EDUC& 114 37 ARR ARR ARR W1 WAOL(Staff)

EARTH SCIENCE

EARTH 102 Earth Science 5

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.

▲ W265 EARTH 102 37 ARR ARR ARR W1 WAOL(Staff)
D451 EARTH 102 A DAILY 10:00AM-10:50AM 806 Hillier J

ECONOMICS

ECON 100 Introduction to Economics 5

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.

▲ Y110 ECON 100 27 ARR ARR ARR W2 Zerr M

ECON& 201 Micro Economics 5

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.

A472 ECON& 201 A MTWTh 11:00AM-11:50AM 2101 Zerr M

ECON& 202 Macro Economics 5

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.

A220 ECON& 202 A MTWTh 12:00PM-12:50PM 2103 Zerr M
▲ Y220 ECON& 202 27 ARR ARR ARR W2 Zerr M

EDUCATION

EDUC 201 Introduction/Orientation to Teaching 5

Recommended Preparation: ENGL 095 or placement in ENGL&101; READ 090 or placement in college level reading 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.

▲ V409 EDUC 201 A ARR ARR ARR W2 Portmann C

EMERGENCY MEDICAL TRAINING

EMT 054 Emergency Medical Training 9.2

NOTE: Students MUST enroll at the first class session only! Call EMS at 532-2067 for more information. Class takes place at EMS, 2421 Sumner Avenue, Aberdeen, WA or location chosen by EMS. There will be some arranged Saturdays.

A basic EMT course which includes practical experience, hospital observation, and classroom lectures and discussion of emergency medical care procedures and practices. This course prepares students to pass the Washington State examination for Emergency Medical Technician Certification.

X773 EMT 054 17 MTh 06:00PM-10:00PM EMS VancerVeur D

ENGLISH

ENGL 060 English Language Study 5

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.

R762 ENGL 060 A MWTh 10:00AM-10:50AM 2417 Winsor S
R763 ENGL 060 B MWTh 11:00AM-11:50AM 2101 Winsor S
▲ V760 ENGL 060C ARR ARR ARR W2 Winsor S

ENGL 095 Writing Fundamentals 5

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.

B448 ENGL 095 A MTWTh 08:00AM-08:50AM 2105 Cavin D
R452 ENGL 095 B MTTh 10:00AM-10:50AM 2103 Neiworth J
R450 ENGL 095 C MTWTh 11:00AM-11:50AM 2103 Neiworth J
R449 ENGL 095 D MTWTh 12:00PM-12:50PM 2201 Lerych L
B451 ENGL 095 E MTWTh 01:00PM-01:50PM 2315 Lerych J
▲ V762 ENGL 095 F ARR ARR ARR W2 Reisman M

ENGL 243 Playwriting 2

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.

B476 ENGL 243 A Th 01:00PM-02:50PM 2417 Lerych L

ENGL& 101 English Composition I 5

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 are 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.

R461 ENGL& 101 A MTWTh 08:00AM-08:50AM 2315 Lerych L
R459 ENGL& 101 B MTWTh 09:00AM-09:50AM 2103 Neiworth J
JB458 ENGL& 101 C MTWTh 10:00AM-10:50AM 2105 Cavin D
B460 ENGL& 101 D MTWTh 11:00AM-11:50AM 2105 Cavin D
B456 ENGL& 101 E MTWTh 12:00PM-12:50PM 2105 Cavin D
B462 ENGL& 101 F MTWTh 01:00PM-01:50PM 2104 DeBoer A
X432 ENGL& 101 22 MW 06:00PM-08:00PM 2101 Dragoo J
▲ V765 ENGL& 101 G ARR ARR ARR W2 Reisman M

ENGL& 102 English Composition II 5

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.

B468 ENGL& 102 A MTWTh 09:00AM-09:50AM 2104 DeBoer A
R469 ENGL& 102 B MTWTh 10:00AM-10:50AM 2201 Lerych L
▲ V770 ENGL& 102 C ARR ARR ARR W2 Reisman M

ENGL& 220 Intro to Shakespeare 5

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.

B481 ENGL& 220 A MTWTh 09:00AM-09:50AM 2201 Lerych L

ENGL& 235 Technical Writing 5

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.

B477 ENGL& 235 A MTWTh 09:00AM-09:50AM 2105 Cavin D

ENGL& 240 Introduction to American Literature 5

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.

B480 ENGL& 240 A MTWTh 10:00AM-10:50AM 2104 DeBoer A

ENVIRONMENTAL SCIENCE

ENVS& 100 Survey of Environmental Science 5Recommended 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.

D483 ENVS& 100 A DAILY 12:00PM-12:50PM 802 Jones R
▲ Y400 ENVS& 100 27 ARR ARR ARR W2 Rapaport M

FOREIGN LANGUAGES

FRCH& 122 French II 5

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.

B672 FRCH& 122 A MTWTh 09:00AM-09:50AM 2315 Lerych J

LING 101 Introduction to World Language 5

Prerequisites: Completion of ENGL 095 OR co-enrollment in ENGL 095 OR placement in ENGL&101.

LING 101, Introduction to World Languages, is a general survey course designed to introduce students to the historical and cultural aspects of world languages, including discussions of distributions, historical development, typology, and writing systems. This course explores the rich diversity of human languages through specific examples of syntax, vocabulary and writing drawn from a variety of languages without teaching any language in particular. This course is advised as an introduction for students considering foreign language study. 5 lecture hours. Satisfies Humanities Area G distribution or specified elective requirement for the AA degree.

B674 LING 101 A MTWTh 10:00AM-10:50AM 2315 Lerych J

Winter 2012

SPAN& 123 Spanish III 5
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.

B683 SPAN& 123 A MTWTh 12:00PM-12:50PM 2315 Lerych J

FRESHMEN YEAR EXPERIENCE

FYE 102 Creating Success in College and Life 2

The content of this course is designed to help students make a smooth transition to college and bring an increased awareness of what GHC has to offer. Students will learn about college expectations and how to use proven strategies to develop the skills, resources and personal qualities needed to create greater academic, professional and personal success. 2 lecture hours. May be used as a general elective in the AA degree.

E414 FYE 102 A MTWTh 08:00AM-08:50AM 2102 Muir D
NOTE: Item E414 will start on 01/04/12 and end on 02/09/12

E416 FYE 102 B MW 10:00AM-10:50AM 2204 Muir D

E417 FYE 102 C TTh 10:00AM-10:50AM 2204 Muir D

E415 FYE 102 D MTWTh 11:00AM-11:50AM 2315 Muir D

NOTE: E415 will start on 01/04/12 and end on 02/09/12

E420 FYE 102 E MTWTh 12:00PM-12:50PM 2101 Smith D

NOTE: E420 will start on 01/04/12 and end on 02/09/12

R419 FYE 102 I W 01:00PM-01:50PM 2203 H Muir D

Note: Item R419 only meets 4 times during the quarter on January 4, January 25, February 15 and March 07, 2012

HEALTH PROMOTION/FITNESS

HPF 101 Health and Wellness 5

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.

▲ Y505 HPF 101 17 ARR ARR ARR W2 Arthur G

▲ V790 HPF 101 A ARR ARR ARR W2 Arthur G

HISTORY

HIST& 116 Western Civilization I 5

Recommended Preparation: READ 090 or placement in college level reading; 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.

▲ Y480 HIST& 116 27 ARR ARR ARR W2 Muir D

HIST& 117 Western Civilization II 5

Recommended Preparation: READ 090 or placement in college level reading; 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.

R425 HIST& 117 A MTWTh 08:00AM-08:50AM 2417 H Murrell G

HIST& 147 US History II 5

Recommended Preparation: READ 090 or placement in college level reading; 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 worldwide imperialist movements. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

E427 HIST& 147 A MTWTh 09:00AM-09:50AM 2417 Murrell G

R427 HIST& 147 A MTWTh 09:00AM-09:50AM 2417 H Murrell G

HIST& 148 US History III 5

Recommended Preparation: READ 090 or placement in college level reading; 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.

▲ V428 HIST& 148 A ARR ARR ARR W2 Murrell G

HUMAN DEVELOPMENT

HUMDV 104 Stress Management and Wellness 2

Prerequisite: Placement in READ 080 and 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.

E437 HUMDV 104 A TTh 11:00AM-11:50AM 2201 Barnes M

HUMDV 150 Tutoring Techniques 1

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. 7 lecture hours; 4 lab hours. Satisfies general elective requirement for the AA degree.

E440 HUMDV 150 A ARR ARR ARR Ratcliff L

HUMDV 151 Interpersonal Skills 2

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.

E438 HUMDV 151 A MW 11:00AM-11:50AM 2104 Shook B

HUMAN SERVICES

HS 102 Survey of Community Resources in Human Services 5

Prerequisite: HS 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.

R444 HS 102 A MW 10:00AM-11:50AM 2255 H Miller C

HS 108 Counseling and Crisis Intervention 5

Prerequisite: HS 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.

R446 HS 108 A TTh 10:00AM-11:50AM 2255 H Miller C

HS 158 Cooperative Work Internship 1-3
Prerequisite: HS 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.

R447	HS	158	A	ARR		ARR	ARR	H	Miller C
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HS 202 Counseling Special Populations 5
Prerequisite: HS 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.

▲ W520	HS	202	37	ARR	ARR	ARR	W1	WAOL(Staff)
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HS 203 Interview/Assessments in Human Services Settings 5
Prerequisite: HS 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.

R445	HS	203	A	M	11:00AM-12:50PM	2416	Miller C
				W	12:00PM-12:50PM	2255	Miller C

HS 258 Advanced Cooperative Work Internship 1-5
Prerequisite: HS 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.

R448	HS	258	A	ARR	09:00AM-09:50AM	22255	H	Miller C
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INDUSTRY CONTROL SYSTEMS

ICST 203 Control System Tuning & Data Acquisition 6
Prerequisites: ICST 202 or instructor permission.

This course reviews the tuned performance of the control system and defines various methods of achieving the acquisition of data required to monitor system output and performance. Most process control operating software has data acquisition Graphic User Interface (GUI) as a component. This course will also look at separate Graphic User Interfaces. This course will look at two industry standards: Wonderware and Rockwell Automation. This is a hybrid course which utilizes distant learning, lecture and virtual/physical labs. 3 lecture hours; 6 lab hours. Vocational program course. May be used as a general elective in the AA degree.

R606	ICST	203	A	WF	01:00PM-06:00PM	SATSOP	H	Jones R
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ICST 204 Hierarchical Control Systems 6
Prerequisites: ICST 203 or instructor permission.

This is an introduction/overview of the ICST program. This program encompasses a variety of disciplines: electrical, mechanical, electronics, fluid dynamics, pressure dynamics, thermodynamics, programmable logic controllers (PLCs), computer technology, communication networks, human machine interface (HMI), distributive control systems (DCS) & (DDS), process controllers - closed and open loop, electronic and pneumatic controllers, calibration/troubleshooting and test equipment operational skills. After completing this course students will have a basic understanding of the disciplines encountered in Industrial Control Systems Technology and the safety standards required by Occupational, Safety & Health Association (OSHA) and industry. This is a hybrid course which utilizes distant learning, lecture and virtual/physical labs. 3 lecture hours; 6 lab hours. Vocational program course. May be used as a general elective in the AA degree.

R608	ICST	204	A	WF	01:00PM-06:00PM	SATSOP	H	Jones R
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LIBRARY

LIB 101 Introduction to Information Resources 2
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 and 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 specified elective in the AA degree.

▲ V537	LIB	101	A	ARR	ARR	ARR	W2	Roush A
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LIB 120 Learning for the 21st Century 5

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.

▲ W535	LIB	120	37	ARR	ARR	ARR	W1	WAOL(Staff)
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MATHEMATICS

MATH 060 Fundamentals of Arithmetic 5
Prerequisite: Appropriate placement test score or instructor permission.

This course is designed for students who need to strengthen their skills in arithmetic. The course content includes topics on estimation, order of operations, whole numbers, fractions, decimals, ratios, proportions, percent applications, English and metric measurements, as well as perimeter and area applications of geometric objects. 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. Problem solving strategies will be stressed. 5 lecture hours.

H778	MATH	060	A	DAILY	08:00AM-08:50AM	2202	Sorensen J	
H777	MATH	060	B	DAILY	09:00AM-09:50AM	804	Muir D	
H779	MATH	060	C	DAILY	11:00AM-11:50AM	2203	Seta K	
▲ W550	MATH	060	47	ARR	ARR	ARR	W1	WAOL(Staff)

MATH 070 Pre-Algebra 5

Prerequisites: A grade of "C-" or better in MATH 060 or appropriate placement test score or instructor permission. This course is intended for students with little or no background in algebra to strengthen their skills in preparation for subsequent algebra courses. Topics include real number arithmetic involving fractions, decimals and percents, exponents, order of operations, algebraic expressions, manipulating and solving linear equations and inequalities with one variable, working with units, applying formulas, and graphing linear equations. The standard problem solving method is presented and used to solve basic applications, and will also be used throughout the algebra sequence. A scientific calculator is required for this course and graphing calculators are not allowed on tests. 5 lecture hours.

H782	MATH	070	A	DAILY	08:00AM-08:50AM	2203	Seta K	
H780	MATH	070	B	DAILY	10:00AM-10:50AM	2203	Auckland M	
H781	MATH	070	C	DAILY	11:00AM-11:50AM	2102	Auckland M	
▲ W565	MATH	070	57	ARR	ARR	ARR	W1	WAOL(Staff)

MATH 095 Elementary Algebra 5
Prerequisites: A grade of "C-" or better in MATH 070 or appropriate placement test score.

Elementary Algebra includes solution, graphing and application of linear and quadratic equations of one and two variables, exponent rules, scientific notation, polynomials, and factoring. 5 lecture hours.

D541	MATH	095	A	DAILY	09:00AM-09:50AM	316	Bates T	
D542	MATH	095	B	DAILY	10:00AM-10:50AM	802	Jones R	
D543	MATH	095	C	DAILY	12:00PM-12:50PM	2203	Kenji S	
X799	MATH	095	47	TTh	06:00PM-08:00PM	2203	Seta K	
▲ Y580	MATH	095	57	ARR	ARR	ARR	W2	Dressler J

MATH 098 Intermediate Algebra 5
Prerequisites: A grade of "C-" or better in MATH 095 or appropriate placement test score.

MATH 098 elaborates on the foundation of basic algebra built in MATH 095. A variety of concepts and skills will be introduced to prepare students for work in college level math and math related subjects. Skills include: factoring; simplifying and solving rational expressions and equations; solving inequalities; solving proportions; simplifying and solving exponential and radical expressions and equations; solving linear and quadratic equations; graphing lines and parabolas; solving systems of equations; writing equations of lines; and setting up and solving applications involving basic science and business mathematical models. MATH 098 serves as a prerequisite to MATH&107, MATH&111, MATH&131, MATH&132, MATH&141 and MATH&146. 5 lecture hours.

D548	MATH	098	A	DAILY	09:00AM-09:50AM	2203	Ratcliff L	
D549	MATH	098	B	DAILY	12:00PM-12:50PM	2202	Ratcliff L	
D550	MATH	098	C	DAILY	01:00PM-01:50PM	850	Kuester T	
▲ Y595	MATH	098	57	ARR	ARR	ARR	W2	Dressler J

MATH 101 App of Algebra for Vocational-Technical Students 5
 Prerequisites: A grade of "C-" or better in MATH 070 or placement in MATH 095 or higher, or instructor permissions.

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 other math course. 5 lecture hours. Vocational program course. May be used as a general elective for the AA degree.

D552 MATH 101 A DAILY 12:00PM-12:50PM 850 Kuester T

MATH& 107 Math in Society 5
 Prerequisites: MATH 098 or appropriate placement score. This course covers a variety of topics including the use of percents in relative change and difference, index numbers and the CPI, financial models and money management, statistical reasoning, measures of central tendency and variation, the normal distribution and exponential growth and decay. The material is presented at a level accessible to students who have successfully completed a course in intermediate algebra or the equivalent. It is taught at approximately the same level as college algebra and finite mathematics, but the materials is intended to be more practical for the liberal arts student. 5 lecture hours. Satisfies the quantitative skills requirement, science distribution area F requirement or specified elective for the AA degree.

R552 MATH& 107 A MTWTh 11:00AM-11:50AM 800 Siedenstrang
 ▲ W610 MATH& 107 37 ARR ARR W1 WAOL(Staff)

MATH& 131 Mathematics for Elementary Education 1 5
 Recommended Preparation: ENGL 095 or placement in ENGL & 101.
 Prerequisites: A grade of "C-" or better in MATH 098 or appropriate placement score.

MATH&131 is the first of two courses that are designed to fulfill the requirements for entry into a bachelors program in elementary education at a four year university, including City University's BA program in elementary education. The major objective of this course is to prepare the prospective K-8 teacher to understand elementary school mathematical concepts taught from kindergarten through the eighth grade. MATH&131 focuses on problem solving techniques, sets and whole numbers, numeration and computation, number theory, fractions and rational numbers, decimals, real numbers and proportional reasoning. In conjunction with studying these topics, students will improve their abilities to recognize patterns and make connections to the mathematical ideas explored. Each student will be expected to justify his or her reasoning and communicate the results through such means as group activities, written discussions, oral presentations and/or other methods. 5 lecture hours. Students who complete both MATH&131 and MATH&132 will satisfy the quantitative skills requirement (MATH&131) and be granted 5 credits of specified elective credit (MATH&132).

D560 MATH& 131 A MTW 12:00PM-12:50PM 800 Siedenstrang
 Th 12:00PM-01:50PM 800 Siedenstrang

MATH& 141 Precalculus I 5
 Prerequisites: A grade of "C+" or better in MATH 098 or appropriate placement score.

MATH&141 is the first course in the standard precalculus sequence. Content includes: a review of equations and inequalities; the definition of a function; linear functions; graphs of functions; inverse functions; exponential and logarithmic functions; polynomial functions; rational functions; and conic sections. Applications are drawn from the natural and social sciences, and engineering. 5 lecture hours. Satisfies the quantitative skills requirement, science distribution area F requirement, or specified elective for the AA degree.

D568 MATH& 141 A DAILY 09:00AM-09:50AM 800 Koskela J

MATH& 142 Precalculus II 5
 Prerequisites: A grade of "C" or better in MATH& 141 or appropriate placement score.

MATH&142 is the second course in the standard precalculus sequence. Content includes: right triangle trigonometry; trigonometric functions; inverse trigonometric functions; trigonometric identities; polar coordinates; vectors; system of linear equations; matrix algebra, and determinants. Applications are drawn from the natural and social sciences, and engineering. 5 lecture hours. Satisfies the quantitative skills requirement, science dstribution area F requirement, or specified elective for the AA degree.

D570 MATH& 142 A DAILY 08:00AM-08:50AM 800 Koskela J

MATH& 146 Introduction to Statistics 5
 Prerequisites: A grade of "C" or better in MATH 098 or appropriate placement score. MATH&146 is standard introductory course in basic statistics. Content includes: the graphical display of data; the numerical summary of data; the normal distributions of data; the basics of surveys and experiments; basic probability theory; the central limit theorem; sampling distributions; confidence intervals; hypothesis tests; the t-distribution; correlation; and linear regression. Applications are drawn from business, social and natural sciences, and current events. 5 lecture hours. Satisfies quantitative skills requirement or science distribution area F requirement or specified elective for the AA degree.

D575 MATH& 146 A DAILY 08:00AM-08:50AM 850 Kuester T
 D574 MATH& 146 B DAILY 09:00AM-09:50AM 850 Siedenstrang

MATH& 148 Business Calculus 5
 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.

D567 MATH& 148 A DAILY 10:00AM-10:50AM 850 Kuester T

MATH& 152 Calculus II 5
 Prerequisites: A grade of "C" or better in MATH& 151 or instructor permission.

MATH&152 is the second course of the standard calculus sequence. Content includes: the definite integral; the fundamental theorem of calculus; techniques of integration; applications including volume, work, arc length, and growth and decay; Taylor polynomials; and infinite series. Applications are taken from the natural and social sciences, and engineering. 5 lecture hours. Satisfies quantitative skills requirement, science distribution area F requirement or specified elective for the AA degree.

D573 MATH& 152 A DAILY 11:00AM-11:50AM 850 Koskela J

Music

MUSC& 105 Music Appreciation 5
 Prerequisites: READ 090 or placement in college level reading; 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.

B561 MUSC& 105 A DAILY 10:00AM-10:50AM 2250 Dyer B

MUSIC 117 Beginning Piano Techniques I 1
 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.

B571 MUSIC 117 A TTh 10:00AM-10:50AM 2358 Hasbrouck K

MUSIC 118 Beginning Piano Techniques II 1
 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.

B572 MUSIC 118 A TTh 09:00AM-09:50AM 2358 Hasbrouck K

MUSIC 119 Beginning Piano Techniques III 1
 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.

B573 MUSIC 119 A TTh 09:00AM-09:50AM 2358 Hasbrouck K

MUSC& 122 Ear Training II 2
 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.

B578 MUSC& 122 A TTh 01:00PM-01:50PM 2358 Dyer B

MUSC& 132 Music Theory II 3
 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.

B574 MUSC& 132 A MWF 01:00PM-01:50PM 2358 Dyer B

MUSIC 150 Applied Music Piano 1
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.

B580	MUSIC	150	A	ARR	ARR	2358	Hasbrouck K
B581	MUSIC	150	B	ARR	ARR	2358	Pieffer P
B582	MUSIC	150	C	ARR	ARR	2358	Pickell E

MUSIC 151 Applied Music Strings 1
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.

B583	MUSIC	151	A	ARR	ARR	ARR	O'Brien L
B584	MUSIC	151	B	ARR	ARR	ARR	Stacy-Horton

MUSIC 152 Applied Music Voice 1
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.

B586	MUSIC	152	A	ARR	ARR	ARR	Dorsch I
B587	MUSIC	152	B	ARR	ARR	ARR	Dorsch J
B588	MUSIC	152	C	ARR	ARR	ARR	Hasbrouck
KB589	MUSIC	152	D	ARR	ARR	ARR	Hill C
B590	MUSIC	152	E	ARR	ARR	ARR	Kerr C

MUSIC 154 Applied Music Woodwinds 1
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.

B600	MUSIC	154	B	ARR	ARR	ARR	Bevington C
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MUSIC 155 Applied Music Brass 1
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.

B601	MUSIC	155	A	ARR	ARR	ARR	Dyer B
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MUSIC 156 Applied Music Percussion 1
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.

B602	MUSIC	156	A	ARR	ARR	ARR	Neisinger R
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MUSIC 157 Applied Music Guitar 1
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.

B603	MUSIC	157	A	ARR	ARR	ARR	Mason W
B615	MUSIC	157	B	ARR	ARR	ARR	Eddy A

MUSIC 158 Applied Jazz Piano 1
Prerequisite: Instructor permission.

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

B619	MUSIC	158	A	ARR	ARR	ARR	Hasbrouck K
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MUSIC 161 Symphony Orchestra 1
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.

B604	MUSIC	161	A	MWF	07:00PM-09:00PM	2350	Dyer B
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MUSIC 171 Civic Choir 1
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.

B605	MUSIC	171	A	T	07:00PM-09:00PM	2350	Dorsch I
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MUSIC 173 Jazz Choir 1.5
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.

B606	MUSIC	173	A	TTh	02:00PM-03:30PM	2350	Dyer B
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MUSIC 181 Jazz Band 1.5
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.

B608	MUSIC	181	A	MW	02:00PM-03:00PM	2350	Dyer B
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MUSIC 218 Intermediate Piano II 1
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.

B610	MUSIC	218	A	TTh	09:00AM-09:50AM	2358	Hasbrouck K
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MUSC& 222 Ear Training 5 2
Recommended Preparation: Concurrent enrollment in MUSIC 232. 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.

B618	MUSC&	222	A	TTh	11:00AM-11:50AM	2358	Dyer B
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MUSIC 232 Advanced Harmony I 3
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.

B617	MUSIC	232	A	MWF	11:00AM-11:50AM	2358	Dyer B
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MUSIC 250 Advanced Applied Music Piano 2
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.

B630	MUSIC	250	A	ARR	ARR	2358	Hasbrouck K
B631	MUSIC	250	B	ARR	ARR	2358	Pieffer P
B638	MUSIC	250	C	ARR	ARR	ARR	Pickell E

MUSIC 251 Advanced Applied Music Strings 2
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.

B632	MUSIC	251	A	ARR	ARR	ARR	O'Brien L
B642	MUSIC	251	B	ARR	ARR	ARR	Stacy-Horton

MUSIC 252 Advanced Applied Music Voice 2
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.

B633	MUSIC	252	A	ARR	ARR	ARR	Dorsch I
B634	MUSIC	252	B	ARR	ARR	ARR	Dorsch J
B635	MUSIC	252	C	ARR	ARR	ARR	Hasbrouck K
B636	MUSIC	252	D	ARR	ARR	ARR	Hill C
B637	MUSIC	252	E	ARR	ARR	ARR	Kerr C

MUSIC 254 Advanced Applied Music Woodwinds 2
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.

B640	MUSIC	254	B	ARR	ARR	ARR	Bevington C
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MUSIC 255 Advanced Applied Music Brass 2
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.

B641	MUSIC	255	A	ARR	ARR	ARR	Dyer B
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Winter 2012

MUSIC 256 Advanced Applied Music Percussion 2

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.

B643 MUSIC 256 A ARR ARR ARR Neisinger R

MUSIC 257 Advanced Applied Music Guitar 2

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.

B644 MUSIC 257 A ARR ARR ARR Mason W
B616 MUSIC 257 B ARR ARR ARR Eddy A

MUSIC 258 Advance Applied Jazz Piano 2

Prerequisite: Instructor permission.

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

B620 MUSIC 258 A ARR ARR ARR Hasbrouck K

MUSIC 261 Symphony Orchestra 1

Recommended Preparation: MUSIC 161 or instructor permission.

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

B645 MUSIC 261 A M 07:00PM-09:00PM 2350 Dyer B

MUSIC 271 Civic Choir 1

Recommended Preparation: MUSIC 171 or instructor permission.

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

B646 MUSIC 271 A T 07:00PM-09:00PM 2350 Dorsch I

MUSIC 273 Jazz Choir 1.5

Recommended Preparation: MUSIC 173 or instructor permission.

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

B648 MUSIC 273 A TTh 02:00PM-03:30PM 2350 Dyer B

MUSIC 281 Jazz Band 1.5

Recommended Preparation: MUSIC 181 or instructor permission.

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

B650 MUSIC 281 A MW 02:00PM-03:00PM 2350 Dyer B

NATURAL RESOURCES

NR 158 Work Experience Seminar 1

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

This five week seminar will prepare the student for the cooperative work experience required for the Natural Resource program. We will explore options for positions as summer intern through research on the internet, local agencies and other conventional means. Students will learn to complete a job application, edit, revise or create a resume, prepare a cover letter, establish personal references and learn proper interview techniques. Lectures will be designed to provide the foundation for these documents while the students will apply this in a real life situation with the desired outcome of securing a summer internship. This course fulfills a requirement that may be used for the completion of the AA (Specified Elective), AS and AAS degrees.

D876 NR 158 A M 01:00PM-02:50PM 316 Bates T
T 01:00PM-02:50PM 316 Bates T

NR 250 GIS and Remote Sensing in Natural Resource Mgmt 5

Prerequisite: NR 110; or instructor permission.

The course emphasizes application of geographic information systems (GIS) and techniques of remote sensing in natural resource management. It provides students with methods in acquisition, processing, and interpretation of the primary data derived from various sensors on a practical level. Additionally, the course will expose students to photogrammetry techniques in are determination, scale, height measurement, and forest stand analysis. Use of global positioning satellite (GPS) systems, USGS quad maps, legal land descriptions and corner search techniques will also be introduced. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

D878 NR 250 A Th 01:30PM-04:30PM 316 Bates T

NR 250LGIS and Remote Sensing in Natural Resource Lab 0

D879 NR 250L1 F 01:00PM-05:00PM 316 Bates T

NR 258 Cooperative Work Experience 1-5

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.

D518 NR 258 A ARR ARR 318A Bates T

NR 259 Cooperative Work Experience 1-5

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.

D519 NR 259 A ARR ARR 318A Bates T

NURSING

CNA 102 Certified Nursing Assistant Training 9

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.

C503 CNA 102 A MW 06:00PM-09:00PM 2107 Birch A
(Clinical) Th 11:00AM-07:00PM ARR Birch A
(Clinical) Sa 06:00AM-02:00PM ARR Riedle M

NOTE: CPR will meet on January 7, 2012 from 8:00am -4:30pm

NURS 153 Common Health Alterations I 12

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

C510 NURS 153 A (Theory) MT 09:00AM-11:50AM 2107 Hightower M
(Clinical) ARR ARR ARR Team

NURS 252 Complex Health Alterations II 13

Prerequisite: NURS 251 with a grade of "B-" or better.

The student continues the study of advanced principles and concepts related to the care of adults and children adapting to multi-system, high acuity health alterations. Concepts related to the care of adult clients with complex and life threatening health alterations of reproduction including complications of childbearing, and problems of excretion are studied. In addition, students learn advanced concepts related to care of individuals and families with acute and life threatening mental health alterations. Concepts related to care of the children with complex health needs are also included. The student applied nursing process in specialty areas, acute care and in community settings. 6 lecture hours. 12 clinical hours. Vocational program course. May be used as a general elective in the AA degree.

C515 NURS 252 A (Theory) MT 09:00AM-12:30PM LIB 1512 Todd M
(Clinical) ARR ARR ARR Team

NUTRITION

NUTR& 101 Human Nutrition 5

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.

D600 NUTR& 101 A DAILY 09:00AM-09:50AM 311 Ibrahim M
▲ Y640 NUTR& 101 17 ARR ARR ARR W2 Ibrahim M

PHILOSOPHY

PHIL& 101 Introduction to Philosophy 5

Recommended Preparation: READ 090 or placement in college level reading; 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.

▲ Y600 PHIL& 101 37 ARR ARR ARR W2 DeBoer A

PHYSICAL EDUCATION

PE 106 Badminton 1

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.

E466	PE	106 A	MW	09:00AM-09:50AM	500	Arthur G
E467	PE	106 B	TTh	09:00AM-09:50AM	500	Arthur G

PE 112 Intermediate Badminton 1

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

A continuation of PE 106.

E468	PE	112 A	MW	09:00AM-09:50AM	500	Arthur G
E469	PE	112 B	TTh	09:00AM-09:50AM	500	Arthur G

PE 116 *Beginning Step Aerobics* 1 *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.

E470	PE	116 A	MW	10:00AM-10:50AM	500	Aho P
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PE 117 Intermediate Step Aerobics 2

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 floorwork. 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.

E471	PE	117 A	MTWTh	10:00AM-10:50AM	500	Aho P
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PE 118 Advanced Step Aerobics 2

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.

E473	PE	118 A	MTWTh	10:00AM-10:50AM	500	Aho P
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PE 129 Weight Lifting 1

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.

E495	PE	129 A	MTWTh	11:00AM-11:50AM	540	Arthur G
E500	PE	129 B	MTWTh	12:00PM-12:50PM	540	Arthur G
X901	PE	129 37	MTWTh	03:30PM-04:20PM	540	Arthur G

PE 130 Intermediate Weight Lifting 2

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.

E505	PE	130 A	MTWTh	11:00AM-11:50AM	540	Arthur G
E506	PE	130 B	MTWTh	12:00PM-12:50PM	540	Arthur G
X902	PE	130 37	MTWTh	03:30PM-04:20PM	540	Arthur G

PE 131 Advanced Weight Lifting 2

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.

E508	PE	131 A	MTWTh	11:00AM-11:50AM	540	Arthur G
E509	PE	131 B	MTWTh	12:00PM-12:50PM	540	Arthur G
X903	PE	131 37	MTWTh	03:30PM-04:20PM	540	Arthur G

PE 170 Fitness Lab 1

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.

E525	PE	170 A	MTWTh	10:00AM-10:50AM	530	Arthur G
E530	PE	170 B	MTWTh	11:00AM-11:50AM	530	Aho P
E535	PE	170 C	MTWTh	12:00PM-12:50PM	530	Aho P
E551	PE	170 D	MTWTh	1:00PM-1:50PM	530	Arthur G

PE 171 Intermediate Fitness Lab 2

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.

E538	PE	171 A	MTWTh	10:00AM-10:50AM	530	Arthur G
E539	PE	171 B	MTWTh	11:00AM-11:50AM	500	Aho P
E540	PE	171 C	MTWTh	12:00PM-12:50PM	530	Aho P
E552	PE	171 D	MTWTh	1:00PM-1:50PM	530	Arthur G

PE 172 Advanced Fitness Lab 2

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.

E543	PE	172 A	MTWTh	10:00AM-10:50AM	530	Arthur G
E544	PE	172 B	MTWTh	11:00AM-11:50AM	530	Aho P
E545	PE	172 C	MTWTh	12:00PM-12:50PM	530	Aho P
E553	PE	172 D	MTWTh	1:00PM-1:50PM	530	Arthur G

PE 177 First Aid/CPR 2

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.

E546	PE	177 A	MW	02:00PM-02:50PM	308	Aho P
E548	PE	177 B	MW	03:30PM-04:20PM	308	Aho P

CS 082 Fitness Maintenance

Prerequisite: Instructor permission.

This course is designed for students who have completed both the beginning and intermediate levels of an activity. Students may, with the permission of the instructor, sign up for this class to continue participation in that activity.

E547	CS	082 A	ARR	ARR	500	Arthur G
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PHYSICS

PHYS& 122 General Physics w/Lab II 5

Prerequisite: PHYS& 121; Corequisite: Concurrent enrollment in PHYS& 122 Lab.

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.

D610	PHYS&	122 A	DAILY	12:00PM-12:50PM	804	Hillier J
			ARR	ARR	804	Hillier J

PHYS& 122L General Physics Lab II 0

Corequisite: Concurrent enrollment in PHYS& 122 Lecture.

D615	PHYS&	122L1	W	01:00PM-02:50PM	804	Hillier J
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PHYS& 222 Engineering Physics w/Lab II 5

Prerequisites: PHYS& 221 and MATH& 152 or concurrent enrollment in MATH& 152 or instructor permission. Corequisite: Concurrent enrollment in PHYS& 222 Lab.

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.

D620	PHYS&	222 A	DAILY	08:00AM-08:50AM	804	Hillier J
			ARR	ARR	804	Hillier J

PHYS& 222L Engineering Physics Lab II 0
Corequisite: Concurrent enrollment in PHYS& 222 Lecture.
 D625 PHYS& 222L1 Th 01:00PM-02:50PM 804 Hillier J

POLITICAL SCIENCE

POL S 110 Law and Justice 5
Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading 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. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

E550 POL S 110 A MTWTh 09:00AM-09:50AM 2416 Bradbury R

POLS& 202 American Government 5
Recommended Preparation: READ 090 or placement in college level reading; 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.

▲ W670 POLS& 202 37 ARR ARR ARR W1 WAOL (STAFF)

POWER OPERATIONS-ENERGY TECHNOLOGY

PPO 102 Power Generation 4
 A more in-depth study of the basics of electricity including OHM's Law, volts, amps, ohms, watts, generation, transmission distribution, 3-phase, series and parallel circuits, and power factor. The environmental impacts of hydro, gas and fossil fuel power generation, the transmission grid and distribution of power to the meter will be discussed. The course is intended for the "non-engineering" student who has a desire to learn how electricity is generated and distributed to the customer. It will consist of lecture, multimedia presentations, video, and hands-on projects.

F402 PPO 102 A M 01:00PM-03:20PM 455 Staff

PPO 120 Print Reading 5
 Introduction to electrical utility blueprint reading which defines the physical and electrical arrangements of equipment including power plants, substations, transmission lines, distribution lines and customer service facilities. These documents are developed by designers to guide construction of facilities and are used by operating personnel to maintain, repair and modify utility equipment.

F420 PPO 120 A W 01:00PM-03:20PM 455 Staff

PPO 202 Refrigeration, HVAC and Plant Maintenance 5
 This course will focus on the fundamental principles of refrigeration and different types of refrigeration systems. Students will learn the principles of heating, ventilating, air conditioning, and auxiliary systems such as lighting, sanitary and building waste water. There will be an introduction to the terminology and basic equipment associated with HVAC/R and the control methods, operation, and maintenance of HVAC/R systems

F425 PPO 202 A T 02:00PM-04:50PM 455 Staff

PSYCHOLOGY

PSYC& 100 General Psychology 5
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.

R570 PSYC& 100 A MTWTh 10:00AM-10:50AM 2202 Rolfe-Maloney
 R571 PSYC& 100 B MTWTh 11:00AM-11:50AM 2202 Rolfe-Maloney
 ▲ Y682 PSYC& 100 67 ARR ARR ARR W2 Rolfe-Maloney
 ▲ Y685 PSYC& 100 77 ARR ARR ARR W2 Miller C

PSYC& 200 Lifespan Psychology 5
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.

R583 PSYC& 200 A MTWTh 09:00AM-09:50AM 2202 Rolfe-Maloney
 ▲ Y695 PSYC& 200 57 ARR ARR ARR Saul J
 ▲ Y700 PSYC& 200 67 ARR ARR ARR Olsen P

PSYCH 250 Social Psychology 5
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.

R585 PSYCH 250 A TTh 01:00PM-02:50PM 2416 Rolfe-Maloney

READING

READ 080 Developmental Reading/Study I 5
Prerequisite: Appropriate reading placement test score or instructor permission.

Extensive reading in texts and on computer of developmental 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.

R800 READ 080 A MTWTh 09:00AM-09:50AM 2206 Barker K
 ▲ Y800 READ 080 27 ARR ARR Barker K

READ 081 Developmental Reading/Study II 5
Prerequisite: Instructor permission.

A continuation of READ 080 for those students needing an additional quarter of instruction before progressing on to Reading 090. 3 lecture hours; 4 lab hours.

R808 READ 081 A MTWTh 09:00AM-09:50AM 2206 Barker K
 ▲ Y808 READ 081 27 ARR ARR Barker K

READ 090 College Preparatory Reading/Study I 5
Prerequisite: Appropriate reading placement test score or instructor permission.

Extensive reading, in texts and on computer, of developmental and college 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.

R815 READ 090 A MTWTh 10:00AM-10:50AM 2206 Barker K
 R816 READ 090 B MTWTh 11:00AM-11:50AM 2206 Barker K
 ▲ Y815 READ 090 37 ARR ARR Barker K

READ 091 College Preparatory Reading/Study II 5
Prerequisite: Instructor permission.

A continuation of READ 090 for those students needing an additional quarter of instruction. 3 lecture hours; 4 lab hours.

R824 READ 091 A MTWTh 10:00AM-10:50AM 2206 Barker K
 R825 READ 091 B MTWTh 11:00AM-11:50AM 2206 Barker K
 ▲ Y824 READ 091 27 ARR ARR Barker K

SOCIOLOGY

SOC& 101 Introduction to Sociology 5
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 requirement or specified elective for the AA degree.

E590 SOC& 101 A MW 08:00AM-09:50AM 2255 Portmann C
 E595 SOC& 101 B MW 12:00PM-01:50PM 2255 Portmann C
 ▲ Y715 SOC& 101 57 ARR ARR Portmann C
 ▲ Y720 SOC& 101 67 ARR ARR Portmann C

SPEECH

SPCH 101 Fundamentals of Speech 5
 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.

B690 SPCH 101 A MTWTh 09:00AM-10:50AM 2102 Duffy B
 B691 SPCH 101 B MTWTh 12:00PM-01:50PM 2102 Duffy B

NOTE: B690 and B691 begin on 01/04/12 and end on 02/14/12

SPCH 124 Broadcasting Practicum 1-5
 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.

B695 SPCH 124 A ARR ARR ARR Duffy B

SPCH 201 Fundamentals of Group Discussion 3
 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.

B696 SPCH 201 A TTh 02:00PM-03:15PM 2255 Duffy B

THEATRE ARTS

THEA 151 Theatre Workshop 1-3 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.

B698 THEA 151 A ARR ARR 160BC Duffy B

THEA 235 Stagecraft 4
 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.

B699 THEA 235 A MW 02:00PM-03:50PM BC Duffy B

WELDING TECHNOLOGY

WELD 100 Welding Blueprint Reading 6
 Prerequisites: A grade of B or better in MATH 060 or a BMCT score of 38 or higher; and placement in ENGL 060; and placement in READ 080; and 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. 3 lecture hours; 6 lab hours. Vocational program course. May be used as a general elective in the AA degree.

F509 WELD 100 A MW 01:00PM-05:15PM 1914 McDonald R

WELD 101 Related Welding I 6
 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.

F510 WELD 101 A TTh 05:00PM-08:45PM 1914 Helland/Hanson

WELD 102 Related Welding II 6
 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.

F511 WELD 102 A TTh 05:00PM-08:45PM 1914 Helland/Hanson

WELD 103 Related Welding III 6
 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.

F512 WELD 103 A TTh 05:00PM-08:45PM 1914 Helland/Hanson

WELD 110 Beginning Welding 16
 Prerequisites: A grade of B or better in MATH 060 or a BMCT score of 38 or higher; and placement in ENGL 060; and placement in READ 080; 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.

F560 WELD 110 A DAILY 07:30AM-11:50AM 1914 McDonald R

WELD 120 Intermediate Welding 16
 Prerequisites: A grade of B or better in MATH 060 or a BMCT score of 38 or higher; and placement in ENGL 060; and placement in READ 080; 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.

F565 WELD 120 A DAILY 07:30AM-11:50AM 1914 McDonald R

WELD 130 Advanced Welding 16
 Prerequisites: A grade of B or better in MATH 060 or a BMCT score of 38 or higher; and placement in ENGL 060; and placement in READ 080; 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.

F570 WELD 130 A DAILY 07:30AM-11:50AM 1914 McDonald R

WELD 240 Pipe Welding 16
 Prerequisites: A grade of B or better in MATH 060 or a BMCT score of 38 or higher; and placement in ENGL 060; and placement in READ 080; 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.

F577 WELD 240 A DAILY 07:30AM-11:50AM 1914 McDonald R

WELD 245 Fabrication 16
 Prerequisites: A grade of B or better in MATH 060 or a BMCT score of 38 or higher; and placement in ENGL 060; and placement in READ 080; 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.

F579 WELD 245 A DAILY 07:30AM-11:50AM 1914 McDonald R

WELD 250 Certification 16
 Prerequisites: A grade of B or better in MATH 060 or a BMCT score of 38 or higher; and placement in ENGL 060; and placement in READ 080; 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.

F581 WELD 250 A DAILY 07:30AM-11:50AM 1914 McDonald R

Online Classes

We offer an assortment of classes in the online environment.

There are two types: *WAOL and GHC online*.

They have different start and end dates which are listed below:

WAOL (Noted with W1)		GHC online classes (Noted with W2)	
Classrooms open:	Dec 29, 2011	Classrooms open:	Dec 28, 2011
Enrollment ends:	Jan 5, 2012	Enrollment ends:	Jan 4, 2012
Instruction begins:	Jan 5, 2012	Instruction begins:	Jan 4, 2012
Instruction ends:	Mar 14, 2012	Instruction ends:	March 19, 2012

Please notice that WAOL and GHC online classrooms open at different dates

Handy information to know:

- Both types of courses use the Angel™ Learning Management Suite.
- GHC online classes will have instructors who are located at GHC.
- WAOL classes can have instructors from GHC or elsewhere.
- *Your tuition and fees are due by Dec 27, 2011.*

Login Instructions:

Username: Student ID number / Employee ID number

Example: 123456789

Password: First 5 letters of your last name (or less if you don't have 5 letters in your last name).

Passwords from past quarters will carry over.

Example: Bob Smith = smith Jill Wu = wu Kelly O'Brien = obrie

You can also find more detailed log in instructions from our website at <http://www.ghc.edu>

Lost? Check below for information about Free Online Workshops!

Winter Online Class Workshops

GHC Students enrolling in online classes for the first time should also sign up for free online class orientations planned before Winter Quarter begins.

Workshops for all online/hybrid classes to learn about ANGEL are slated for
(Bring a copy of your schedule with you)

Thursday, December 29th from 10am—12pm (Aberdeen, CEC & REC)

Thursday, December 29th from 5:30pm—7:00pm (Aberdeen only)

Tuesday, January 3rd from 1—3pm (Aberdeen & REC)

All workshops will take place at the Aberdeen campus in computer lab, Room 2205 of the Manspeaker Instructional Building (MIB)

If you are taking online math 60/70/95/98 then these additional workshops are also for you:

(Bring your MML (My Math Lab) code with you)

Thursday, December 29th from 12-1pm (Aberdeen, CEC & REC)

Thursday, December 29th from 7—8pm (Aberdeen only)

Tuesday, January 3rd from 3-4pm (Aberdeen & REC)

Workshops are limited to 30 students and a reservation should be made by contacting Diane Smith at (360) 538-4181, dsmith@ghc.edu. Workshops are also available at Raymond at (360) 875-9466 and Ilwaco at (360) 642-9433



ACCOUNTING

ACCT& 202 Principles of Accounting II 5
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.
 ▲ W025 ACCT& 202 17 ARR ARR ARR W1 WAOL (Staff)

ALLIED HEALTH

AHLTH 150 Comprehensive Medical Terminology 5
Prerequisite: READ 090 or placement in college level reading.
 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.
 ▲ Y047 AHLTH 150 57 ARR ARR ARR W2 Lee R
 ▲ Y044 AHLTH 150 67 ARR ARR ARR W2 Dykes J

ANTHROPOLOGY

ANTH& 100 Survey of Anthropology 5
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.
 ▲ W055 ANTH& 100 37 ARR ARR ARR W1 WAOL(Staff)

ANTH& 204 Archaeology 5
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.
 ▲ W070 ANTH& 204 17 ARR ARR ARR W1 WAOL(Staff)

ANTH& 206 Cultural Anthropology 5
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.
 ▲ W075 ANTH& 206 17 ARR ARR ARR W1 WAOL(Staff)

ART

ART& 100 Art Appreciation 5
Recommended Preparation: ENGL& 101. *Prerequisites:* ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading.
 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.
 ▲ Y101 ART& 100 47 ARR ARR ARR W2 Michael T

BIOLOGICAL SCIENCES

BIOL& 100 Survey of Biology 5
Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading; Math 095 or placement in Math 098 or higher. *Corequisite:* Concurrent enrollment in BIOL& 100 Lab.
 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.
 ▲ Y160 BIOL& 100 37 ARR ARR ARR W2 Ibrahim M

BUSINESS

BUS& 101 Introduction to Business 5
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.
 ▲ Y175 BUS& 101 37 ARR ARR ARR W2 Zerr M

BUSINESS TECHNOLOGY

BTECH 124 Keyboard Skillbuilding I 2
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.
 ▲ Y551 BTECH 124 A ARR ARR ARR W2 Miller D

BTECH 125 Keyboard Skillbuilding II 2
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.
 ▲ Y552 BTECH 125 A ARR ARR ARR W2 Miller D

BTECH 126 Keyboard Skillbuilding III 2
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.
 ▲ Y553 BTECH 126 A ARR ARR ARR W2 Miller D

CHEMISTRY

CHEM& 110 Chemical Concepts w/Lab 5
Prerequisites: A grade of "C-" or better in Math 095 or placement in Math 098.
 An introduction to the fundamental principles of chemistry and the predictive power chemistry provides. Topics include elements, compounds, and mixtures; periodic properties of the elements; atomic theory and structure; molecular structure and chemical bonding; chemical notation and nomenclature; mass and molar relations; chemical reactions and the mass and energy changes accompanying them; simple thermodynamics; equilibrium, equilibrium constants and kinetics; properties of gases, liquids, solids, and solutions; properties of acids, bases, and pH; connections between chemistry and daily life. Satisfies science or lab requirement area B distribution or specified elective for the AA degree. This course does not meet the chemistry requirement for the Associate in Pre-Nursing DTA or the chemistry admissions requirement for the Associate in Applied Science Nursing degree.
 ▲ W190 CHEM& 110 37 ARR ARR ARR W1 Staff(WAOL)



COMPUTER INFORMATION

CIS 110 Introduction to Programming 5
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). Corequisite: Concurrent enrollment in CIS 110 Lab.

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.

▲ W205 CIS 110 47 ARR ARR ARR W1 WAOL(Staff)

CRIMINAL JUSTICE

CJ& 101 Introduction to Criminal Justice 5
Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading 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.

▲ W220 CJ& 101 37 ARR ARR ARR WAOL(Staff)

CJUS 104 The Line Officer Function: Police & Corrections 5
Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading 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.

▲ W235 CJUS 104 37 ARR ARR ARR W1 WAOL(Staff)

EARLY CHILDHOOD EDUCATION

ECE 101 Introduction to Childcare 2
 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.

▲ W280 ECE 101 37 ARR ARR ARR W1 WAOL(Staff)

ECE 103 Guiding the Behavior of Young Children 3
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.

▲ W295 ECE 103 37 ARR ARR ARR W1 WAOL(Staff)

ECE 111 Methods of Curriculum Care 3
 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.

▲ W310 ECE 111 37 ARR ARR ARR W1 WAOL(Staff)

ECE 112 Health, Nutrition and Safety for Young Children 3
 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.

▲ W325 ECE 112 37 ARR ARR ARR W1 WAOL(Staff)

ECE 114 Issues and Trends in ECE 3

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 caregiving for young children in an ECE environment. 3 lecture hours. May be used as a general elective in the AA degree.

▲ W345 ECE 114 37 ARR ARR ARR W1 WAOL(STAFF)

EDUC& 114 Child Development 3

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.

▲ W385 EDUC& 114 37 ARR ARR ARR W1 WAOL(Staff)

EARTH SCIENCE

EARTH 102 Earth Science 5

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.

▲ W265 EARTH 102 37 ARR ARR ARR W1 WAOL(Staff)

ECONOMICS

ECON 100 Introduction to Economics 5

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.

▲ Y110 ECON 100 27 ARR ARR ARR W2 Zerr M

ECON& 202 Macro Economics 5

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.

▲ Y220 ECON& 202 27 ARR ARR ARR W2 Zerr M

EDUCATION

EDUC 201 Introduction/Orientation to Teaching 5

Recommended Preparation: ENGL 095 or placement in ENGL&101; READ 090 or placement in college level reading 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.

▲ V409 EDUC 201 A ARR ARR ARR W2 Portmann C

ENGLISH

ENGL 060 English Language Study 5

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.

▲ V760 ENGL 060C ARR ARR ARR W2 Winsor S

ENGL 095 Writing Fundamentals 5

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.

▲ V762 ENGL 095 F ARR ARR ARR W2 Reisman M

ENGL& 101 English Composition I 5

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 are 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.

▲ V765 ENGL& 101 G ARR ARR ARR W2 Reisman M

ENGL& 102 English Composition II 5

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.

▲ V770 ENGL& 102 C ARR ARR ARR W2 Reisman M

ENVIRONMENTAL SCIENCE

ENVS& 100 Survey of Environmental Science 5

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.

▲ Y400 ENVS& 100 27 ARR ARR ARR W2 Rapaport M

HEALTH PROMOTION/FITNESS

HPF 101 Health and Wellness 5

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.

▲ V790 HPF 101 A ARR ARR ARR W2 Arthur G
▲ Y505 HPF 101 17 ARR ARR ARR W2 Arthur G

HISTORY

HIST& 116 Western Civilization I 5

Recommended Preparation: READ 090 or placement in college level reading; 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.

▲ Y480 HIST& 116 27 ARR ARR ARR W2 Muir D

HIST& 148 US History III 5

Recommended Preparation: READ 090 or placement in college level reading; 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.

▲ V428 HIST& 148 A ARR ARR ARR W2 Murrell G

HUMAN SERVICES

HS 202 Counseling Special Populations 5

Prerequisite: HS 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.

▲ W520 HS 202 37 ARR ARR ARR W1 WAOL(Staff)

LIBRARY

LIB 101 Introduction to Information Resources 2

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 specified elective in the AA degree.

▲ V537 LIB 101 A ARR ARR ARR W2 Roush A

LIB 120 Learning for the 21st Century 5

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.

▲ W535 LIB 120 37 ARR ARR ARR W1 WAOL(Staff)

MATHEMATICS

MATH 060 Fundamentals of Arithmetic 5

Prerequisite: Appropriate placement test score or instructor permission.

This course is designed for students who need to strengthen their skills in arithmetic. The course content includes topics on estimation, order of operations, whole numbers, fractions, decimals, ratios, proportions, percent applications, English and metric measurements, as well as perimeter and area applications of geometric objects. 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. Problem solving strategies will be stressed. 5 lecture hours.

▲ W550 MATH 060 47 ARR ARR ARR ARR WAOL(Staff)

MATH 070 Pre-Algebra 5

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

This course is intended for students with little or no background in algebra to strengthen their skills in preparation for subsequent algebra courses. Topics include real number arithmetic involving fractions, decimals and percents, exponents, order of operations, algebraic expressions, manipulating and solving linear equations and inequalities with one variable, working with units, applying formulas, and graphing linear equations. The standard problem solving method is presented and used to solve basic applications, and will also be used throughout the algebra sequence. A scientific calculator is required for this course and graphing calculators are not allowed on tests. 5 lecture hours.

▲ W565 MATH 070 57 ARR ARR ARR W1 WAOL(Staff)

Winter 2012

MATH 095 Elementary Algebra 5
Prerequisites: A grade of "C-" or better in MATH 070 or appropriate placement test score.

Elementary Algebra includes solution, graphing and application of linear and quadratic equations of one and two variables, exponent rules, scientific notation, polynomials, and factoring. 5 lecture hours.

▲ Y580 MATH 095 57 ARR ARR ARR W2 Dressler J

MATH 098 Intermediate Algebra 5
Prerequisites: A grade of "C-" or better in MATH 095 or appropriate placement test score.

MATH 098 elaborates on the foundation of basic algebra built in MATH 095. A variety of concepts and skills will be introduced to prepare students for work in college level math and math related subjects. Skills include: factoring; simplifying and solving rational expressions and equations; solving inequalities; solving proportions; simplifying and solving exponential and radical expressions and equations; solving linear and quadratic equations; graphing lines and parabolas; solving systems of equations; writing equations of lines; and setting up and solving applications involving basic science and business mathematical models. MATH 098 serves as a prerequisite to MATH&107, MATH&111, MATH&131, MATH&132, MATH&141 and MATH&146. 5 lecture hours.

▲ Y595 MATH 098 57 ARR ARR ARR W2 Dressler J

MATH& 107 Math in Society 5
Prerequisites: MATH 098 or appropriate placement score.

This course covers a variety of topics including the use of percents in relative change and difference, index numbers and the CPI, financial models and money management, statistical reasoning, measures of central tendency and variation, the normal distribution and exponential growth and decay. The material is presented at a level accessible to students who have successfully completed a course in intermediate algebra or the equivalent. It is taught at approximately the same level as college algebra and finite mathematics, but the materials is intended to be more practical for the liberal arts student. 5 lecture hours. Satisfies the quantitative skills requirement, science distribution area F requirement or specified elective for the AA degree.

▲ W610 MATH& 107 37 ARR ARR ARR W1 WAOL(Staff)

NUTRITION

NUTR& 101 Human Nutrition 5
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.

▲ Y640 NUTR& 101 17 ARR ARR ARR W2 Ibrahim M

PHILOSOPHY

PHIL& 101 Introduction to Philosophy 5
Recommended Preparation: READ 090 or placement in college level reading; 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.

▲ Y600 PHIL& 101 37 ARR ARR ARR W2 DeBoer A

POLITICAL SCIENCE

POLS& 202 American Government 5
Recommended Preparation: READ 090 or placement in college level reading; 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.

▲ W670 POLS& 202 37 ARR ARR ARR W1 WAOL (STAFF)

PSYCHOLOGY

PSYC& 100 General Psychology 5
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.

▲ Y682 PSYC& 100 67 ARR ARR ARR W2 Rolfe-Maloney
▲ Y685 PSYC& 100 77 ARR ARR ARR W2 Miller C

PSYC& 200 Lifespan Psychology 5
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.

▲ Y695 PSYC& 200 57 ARR ARR ARR W2 Saul J
▲ Y700 PSYC& 200 67 ARR ARR ARR W2 Olsen P

READING

READ 080 Developmental Reading/Study I 5
Prerequisite: Appropriate reading placement test score or instructor permission.

Extensive reading in texts and on computer of developmental 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.

▲ Y800 READ 080 27 ARR ARR ARR W2 Barker K

READ 081 Developmental Reading/Study II 5
Prerequisite: Instructor permission.

A continuation of READ 080 for those students needing an additional quarter of instruction before progressing on to Reading 090. 3 lecture hours; 4 lab hours.

▲ Y808 READ 081 27 ARR ARR ARR W2 Barker K

READ 090 College Preparatory Reading/Study I 5
Prerequisite: Appropriate reading placement test score or instructor permission.

Extensive reading, in texts and on computer, of developmental and college 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.

▲ Y815 READ 090 37 ARR ARR ARR W2 Barker K

READ 091 College Preparatory Reading/Study II 5
Prerequisite: Instructor permission.

A continuation of READ 090 for those students needing an additional quarter of instruction. 3 lecture hours; 4 lab hours.

▲ Y824 READ 091 27 ARR ARR ARR W2 Barker K

SOCIOLOGY

SOC& 101 Introduction to Sociology 5
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 requirement or specified elective for the AA degree.

▲ Y715 SOC& 101 57 ARR ARR ARR W2 Portmann C
▲ Y720 SOC& 101 67 ARR ARR ARR W2 Portmann C

For information about North Pacific County courses, call Carol Staricka at (360) 875-9466 at the Riverview Education Center, 600 Washington Avenue, Raymond, WA.

Office Hours:
Monday-Thursday 9 a.m. - 6 p.m.
Friday 9 a.m. - 4 p.m.

ACCOUNTING

ACCT 175 Business and Payroll Tax Accounting 3
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 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.

A406 ACCT 175 A2 MWTh 08:00AM-08:50AM REC 213 I-3 Miller N

ACCT& 202 Principles of Accounting II 5
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.

▲ W025 ACCT& 202 17 ARR ARR ARR W1 WAOL (Staff)

ALLIED HEALTH

AHLTH 150 Comprehensive Medical Terminology 5
Prerequisite: READ 090 or placement in college level reading.

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.

X201 AHLTH 150 12 MW 03:30PM-05:40PM REC 201 Dodson T
 ▲ Y047 AHLTH 150 57 ARR ARR ARR W2 Lee R
 ▲ Y044 AHLTH 150 67 ARR ARR ARR W2 Dykes J

ANTHROPOLOGY

ANTH& 100 Survey of Anthropology 5
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.

▲ W055 ANTH& 100 37 ARR ARR ARR W1 WAOL(Staff)

ANTH& 204 Archaeology 5
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.

▲ W070 ANTH& 204 17 ARR ARR ARR W1 WAOL(Staff)

ANTH& 206 Cultural Anthropology 5
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.

▲ W075 ANTH& 206 17 ARR ARR ARR W1 WAOL (Staff)

ART

ART& 100 Art Appreciation 5
Recommended Preparation: ENGL& 101. Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading.

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.

▲ Y101 ART& 100 47 ARR ARR ARR W2 Michael T

BIOLOGICAL SCIENCES

BIOL& 100 Survey of Biology 5
Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading; Math 095 or placement in Math 098 or higher. Corequisite: Concurrent enrollment in BIOL& 100 Lab.

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.

▲ Y160 BIOL& 100 37 ARR ARR ARR W2 Ibrahim M

BUSINESS

BA 150 Fundamentals of Finance 5
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.

A419 BA 150 12 Daily 01:00PM-01:50PM REC 213 I-3 Blankenship

Location Index

REC Raymond - Riverview Education Center
 VFW VFW Hall

- I-1 This is an I-TV class from OnCampus to REC and CEC.
- I-2 This is an I-TV class from REC to CEC.
- I-3 This is an I-TV class from CEC to REC.
- H This is a partially online class.

Winter 2012

BUS& 101 Introduction to Business 5
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.

▲ Y175 BUS& 101 37 ARR ARR ARR W2 Zerr M

BUSINESS TECHNOLOGY

BTECH 117 Medical Transcription 3
Prerequisites: AHLTH 150 and BA 140.

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.

X244 BTECH 117 12 MW 06:00PM-07:45PM REC 201 I-3 Dodson T

BTECH 118 Medical Transcription II 3
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.

X246 BTECH 118 12 MW 06:00PM-07:45PM REC 201 I-3 Dodson T

BTECH 124 Keyboard Skillbuilding I 2
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.

▲ Y551 BTECH 124 A ARR ARR ARR W2 Miller D

BTECH 125 Keyboard Skillbuilding II 2
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.

▲ Y552 BTECH 125 A ARR ARR ARR W2 Miller D

BTECH 126 Keyboard Skillbuilding III 2
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.

▲ Y553 BTECH 126 A ARR ARR ARR W2 Miller D

BTECH 132 Medical Records - Insurance Billing and Coding 3
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.

X248 BTECH 132 12 T 05:30PM-08:00PM REC 213 I-3 Dodson T

BTECH 140 Word Processing Applications 5
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.

R455 BTECH 140 A2 TTh 12:00PM-12:50PM REC 213 I-1 Miller D

BTECH 252 Desktop Publishing 5
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.

R601 BTECH 252 A2 TTh 01:00PM-01:50PM REC 213 I-1 Miller D

CHEMISTRY

CHEM& 110 Chemical Concepts w/Lab 5
Prerequisites: A grade of "C-" or better in Math 095 or placement in Math 098.

An introduction to the fundamental principles of chemistry and the predictive power chemistry provides. Topics include elements, compounds, and mixtures; periodic properties of the elements; atomic theory and structure; molecular structure and chemical bonding; chemical notation and nomenclature; mass and molar relations; chemical reactions and the mass and energy changes accompanying them; simple thermodynamics; equilibrium, equilibrium constants and kinetics; properties of gases, liquids, solids, and solutions; properties of acids, bases, and pH; connections between chemistry and daily life. Satisfies science or lab requirement area B distribution or specified elective for the AA degree. This course does not meet the chemistry requirement for the Associate in Pre-Nursing DTA or the chemistry admissions requirement for the Associate in Applied Science Nursing degree.

▲ W190 CHEM& 110 37 ARR ARR ARR W1 WAOL (Staff)

COMPUTER INFORMATION

CIS 102 Introduction to Microsoft Office 3
Prerequisite: READ 080. Recommended Preparation: CIS 100 and CIS 101or concurrent enrollment.

This course introduces Microsoft Office Suite and emphasizes hands on experience. Student will work with various applications including electronic spreadsheets, word processing and presentation software. 2 lecture hours, 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

R735 CIS 102 47 Th 06:00PM-08:00PM REC 213 I-1 Miller D
Note: Item R734 is a hybrid course which will meet for 4 sessions on January 5, February 2, March 1 and March 22, 2012. The first class meeting is mandatory.

CIS 110 Introduction to Programming 5
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). Corequisite: Concurrent enrollment in CIS 110 Lab.

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.

▲ W205 CIS 110 47 ARR ARR ARR W1 WAOL (Staff)

CIS 125 Internet Fundamentals 5
Prerequisite: CIS 102 with a grade of "C" or instructor permission. Corequisite: Concurrent enrollment in CIS 125 Lab.

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.

X213 CIS 125 12 MTWTh 04:00PM-05:30PM REC 213 Staff

CRIMINAL JUSTICE

CJ& 101 Introduction to Criminal Justice 5
Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading 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.

▲ W220 CJ& 101 37 ARR ARR ARR W1 WAOL (Staff)

CJUS 104 The Line Officer Function: Police & Corrections 5
Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading 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.

▲ W235 CJUS 104 37 ARR ARR ARR W1 WAOL (Staff)

EARLY CHILDHOOD EDUCATION

ECE 101 Introduction to Childcare 2
 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.

▲ W280 ECE 101 37 ARR ARR ARR W1 WAOL(Staff)

ECE 103 Guiding the Behavior of Young Children 3
 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.

▲ W295 ECE 103 37 ARR ARR ARR W1 WAOL(Staff)

ECE 111 Methods of Curriculum Care 3
 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.

▲ W310 ECE 111 37 ARR ARR ARR W1 WAOL(Staff)

ECE 112 Health, Nutrition and Safety for Young Children 3
 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.

▲ W325 ECE 112 37 ARR ARR ARR W1 WAOL(Staff)

ECE 114 Issues and Trends in ECE 3
 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 caregiving for young children in an ECE environment. 3 lecture hours. May be used as a general elective in the AA degree.

▲ W345 ECE 114 37 ARR ARR ARR W1 WAOL(STAFF)

EDUC& 114 Child Development 3
 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.

▲ W385 EDUC& 114 37 ARR ARR ARR W1 WAOL(Staff)

EARTH SCIENCE

EARTH 102 Earth Science 5
 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.

▲ W265 EARTH 102 37 ARR ARR ARR W1 WAOL(Staff)

ECONOMICS

ECON 100 Introduction to Economics 5
 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.

▲ Y110 ECON 100 27 ARR ARR ARR W2 Zerr M

ECON& 201 Micro Economics 5
 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.

A473 ECON& 201 A2 MTWTh 11:00AM-11:50AM REC 201 I-1 Zerr M

ECON& 202 Macro Economics 5
 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.

▲ Y220 ECON& 202 27 ARR ARR ARR W2 Zerr M

EDUCATION

EDUC 201 Introduction/Orientation to Teaching 5
 Recommended Preparation: ENGL 095 or placement in ENGL&101; READ 090 or placement in college level reading 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.

▲ V409 EDUC 201 A ARR ARR ARR W2 Portmann C

ENGLISH

ENGL 060 English Language Study 5
 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.

▲ V760 ENGL 060C ARR ARR ARR W2 Winsor S

ENGL 095 Writing Fundamentals 5
 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.

▲ V762 ENGL 095 F ARR ARR ARR W2 Reisman M

ENGL& 101 English Composition I 5
 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 are 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.

X232 ENGL& 101 12 MW 06:00PM-08:00PM REC 201 I-1 Dragoo J
 ▲ V765 ENGL& 101 G ARR ARR ARR W2 Reisman M

ENGL& 102 English Composition II 5
 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.

▲ V770 ENGL& 102 C ARR ARR ARR W2 Reisman M

ENVIRONMENTAL SCIENCE

ENVS& 100 Survey of Environmental Science 5
 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.

▲ Y400 ENVS& 100 27 ARR ARR ARR W2 Rapaport M

Winter 2012

FLAGGER TRAINING

FLAG 050 **Flagger Training** **0**
 Students will learn about safety equipment and clothing, preparedness, responsibilities, and the traffic control company regulations.
 X251 FLAG 050 12 Th 08:30AM-04:30PM REC 110 Bemis M

FRESHMEN YEAR EXPERIENCE

FYE 102 **Creating Success in College and Life** **1-2**
 The content of this course is designed to help students make a smooth transition to college and bring an increased awareness of what GHC has to offer. Students will learn about college expectations and how to use proven strategies to develop the skills, resources and personal qualities needed to create greater academic, professional and personal success. 2 lecture hours. May be used as a general elective in the AA degree.
 E421 FYE 102 E2 MTWTh 12:00PM-12:50PM REC 201 I-1 Smith D

HEALTH PROMOTION/FITNESS

HPF 101 **Health and Wellness** **5**
 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.
 ▲ V790 HPF 101 A ARR ARR ARR W2 Arthur G
 ▲ Y505 HPF 101 17 ARR ARR ARR W2 Arthur G

HISTORY

HIST& 116 **Western Civilization I** **5**
Recommended Preparation: READ 090 or placement in college level reading; 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.

▲ Y480 HIST& 116 27 ARR ARR ARR W2 Muir D

HIST& 148 **US History III** **5**
Recommended Preparation: READ 090 or placement in college level reading; 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.

▲ V428 HIST& 148 A ARR ARR ARR W2 Murrell G

HUMAN SERVICES

HS 202 **Counseling Special Populations** **5**
Prerequisite: HS 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.

W520 HS 202 37 ARR ARR ARR ARR WAOL(Staff)

LIBRARY

LIB 101 **Introduction to Information Resources** **2**
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 specified elective in the AA degree.

▲ V537 LIB 101 A ARR ARR ARR W2 Roush A

LIB 120 **Learning for the 21st Century** **5**
 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.
 ▲ W535 LIB 120 37 ARR ARR ARR W1 WAOL(Staff)

MATHEMATICS

MATH 060 **Fundamentals of Arithmetic** **5**
Prerequisite: Appropriate placement test score or instructor permission.

This course is designed for students who need to strengthen their skills in arithmetic. The course content includes topics on estimation, order of operations, whole numbers, fractions, decimals, ratios, proportions, percent applications, English and metric measurements, as well as perimeter and area applications of geometric objects. 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. Problem solving strategies will be stressed. 5 lecture hours.

▲ W550 MATH 060 47 ARR ARR ARR ARR WAOL(Staff)

MATH 070 **Pre-Algebra** **5**
Prerequisites: A grade of "C-" or better in MATH 060 or appropriate placement test score or instructor permission.

This course is intended for students with little or no background in algebra to strengthen their skills in preparation for subsequent algebra courses. Topics include real number arithmetic involving fractions, decimals and percents, exponents, order of operations, algebraic expressions, manipulating and solving linear equations and inequalities with one variable, working with units, applying formulas, and graphing linear equations. The standard problem solving method is presented and used to solve basic applications, and will also be used throughout the algebra sequence. A scientific calculator is required for this course and graphing calculators are not allowed on tests. 5 lecture hours.

▲ W565 MATH 070 57 ARR ARR ARR W1 WAOL(Staff)

MATH 095 **Elementary Algebra** **5**
Prerequisites: A grade of "C-" or better in MATH 070 or appropriate placement test score.

Elementary Algebra includes solution, graphing and application of linear and quadratic equations of one and two variables, exponent rules, scientific notation, polynomials, and factoring. 5 lecture hours.

X273 MATH 095 12 TTh 03:30PM-05:30PM REC 201 Wasberg D
 ▲ Y580 MATH 095 57 ARR ARR ARR W2 Dressler J

MATH 098 **Intermediate Algebra** **5**
Prerequisites: A grade of "C-" or better in MATH 095 or appropriate placement test score.

MATH 098 elaborates on the foundation of basic algebra built in MATH 095. A variety of concepts and skills will be introduced to prepare students for work in college level math and math related subjects. Skills include: factoring; simplifying and solving rational expressions and equations; solving inequalities; solving proportions; simplifying and solving exponential and radical expressions and equations; solving linear and quadratic equations; graphing lines and parabolas; solving systems of equations; writing equations of lines; and setting up and solving applications involving basic science and business mathematical models. MATH 098 serves as a prerequisite to MATH&107, MATH&111, MATH&131, MATH&132, MATH&141 and MATH&146. 5 lecture hours.

▲ Y595 MATH 098 57 ARR ARR ARR W2 Dressler J

MATH& 107 **Math in Society** **5**
Prerequisites: MATH 098 or appropriate placement score.

This course covers a variety of topics including the use of percents in relative change and difference, index numbers and the CPI, financial models and money management, statistical reasoning, measures of central tendency and variation, the normal distribution and exponential growth and decay. The material is presented at a level accessible to students who have successfully completed a course in intermediate algebra or the equivalent. It is taught at approximately the same level as college algebra and finite mathematics, but the materials is intended to be more practical for the liberal arts student. 5 lecture hours. Satisfies the quantitative skills requirement, science distribution area F requirement or specified elective for the AA degree.

▲ W610 MATH& 107 37 ARR ARR ARR W1 WAOL(Staff)

NUTRITION

NUTR& 101 **Human Nutrition** **5**
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.

▲ Y640 NUTR& 101 17 ARR ARR ARR W2 Ibrahim M

PHILOSOPHY

PHIL& 101 Introduction to Philosophy 5
Recommended Preparation: READ 090 or placement in college level reading; 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.
 ▲ Y600 PHIL& 101 37 ARR ARR ARR W2 DeBoer A

POLITICAL SCIENCE

POLS& 202 American Government 5
Recommended Preparation: READ 090 or placement in college level reading; 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.
 ▲ W670 POLS& 202 37 ARR ARR ARR W1 WAOL (STAFF)

PSYCHOLOGY

PSYC& 100 General Psychology 5
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.
 ▲ Y682 PSYC& 100 67 ARR ARR ARR W2 Rolfe-Maloney
 ▲ Y685 PSYC& 100 77 ARR ARR ARR W2 Miller C

PSYC& 200 Lifespan Psychology 5
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.
 ▲ Y695 PSYC& 200 57 ARR ARR ARR W2 Saul J
 ▲ Y700 PSYC& 200 67 ARR ARR ARR W2 Olsen P

READING

READ 080 Developmental Reading/Study I 5
Prerequisite: Appropriate reading placement test score or instructor permission.
 Extensive reading in texts and on computer of developmental 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.
 ▲ Y800 READ 080 27 ARR ARR ARR W2 Barker K

READ 081 Developmental Reading/Study II 5
Prerequisite: Instructor permission.
 A continuation of READ 080 for those students needing an additional quarter of instruction before progressing on to Reading 090. 3 lecture hours; 4 lab hours.
 ▲ Y808 READ 081 27 ARR ARR ARR W2 Barker K

READ 090 College Preparatory Reading/Study I 5
Prerequisite: Appropriate reading placement test score or instructor permission.
 Extensive reading, in texts and on computer, of developmental and college 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.
 ▲ Y815 READ 090 37 ARR ARR ARR W2 Barker K

READ 091 College Preparatory Reading/Study II 5
Prerequisite: Instructor permission.
 A continuation of READ 090 for those students needing an additional quarter of instruction. 3 lecture hours; 4 lab hours.
 ▲ Y824 READ 091 27 ARR ARR ARR W2 Barker K

SOCIOLOGY

SOC& 101 Introduction to Sociology 5
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 requirement or specified elective for the AA degree.

▲ Y715 SOC& 101 57 ARR ARR ARR W2 Portmann C
 ▲ Y720 SOC& 101 67 ARR ARR ARR W2 Portmann C

SUSTAINABLE LANDSCAPING & GARDENING

LM 101 Intro to Sustainable Landscaping and Gardening 1-9
 This course includes concepts and techniques for designing and maintaining sustainable landscapes and gardens. It includes instruction in basic landscape design, understanding and application of pesticides and fertilizers, plant propagation, landscape maintenance, pruning, composting, vegetable and fruit gardening, lawn maintenance, plant diseases, problems and care, and selection of appropriate plants for regional landscape and garden projects.
 G102 LM 101 313 WTh 09:00AM-12:30PM REC 110 Spiesman P

LM 102 Regional Plant Identification for Gardeners 1-8
 This course includes an overview of plant families and methods of plant identification, as needed for designing, establishing and maintaining a sustainable regional garden. It includes instruction in plant classifications and keys, identification of regional bulbs and tuberous roots, ornamental and woody plants, weeds, and houseplants. It also includes instruction in maintaining healthy plants, successful plant propagation and transplanting techniques.
 G104 LM 102 313 M 09:00AM-01:30PM REC Greenhouse Staricka A
 M 02:00PM-03:30PM REC Greenhouse Staricka A
 T 09:00AM-11:00AM REC Greenhouse Staricka A

LM 103 Sustainable Gardening Project 1-2
 This course will provide students with the opportunity to demonstrate effective employability skills by designing and creating a sustainable garden project.
 G106 LM 103 313 T 11:45AM-03:30PM REC Greenhouse Staricka A
 NOTE: For all landscaping classes please contact Lisa Jolly at (360) 538-4077 for program information and to receive an entry code for enrollment.



For information about Ilwaco courses call Teri Dodson at the Columbia Education Center at (360) 642-9433 or stop and visit the Columbia Education Center at 208 Advent Ave SE, Ilwaco, WA.
 Office Hours: Monday- Friday 9 a.m. to 4 p.m.

ACCOUNTING

ACCT 175 Business and Payroll Tax Accounting 3
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 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.

A407 ACCT 175 A3 MWTh 08:00AM-08:50AM CEC 106 I-1 Miller N

ACCT& 202 Principles of Accounting II 5
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.

▲ W025 ACCT& 202 17 ARR ARR ARR W1 WAOL (Staff)

ALLIED HEALTH

AHLTH 150 Comprehensive Medical Terminology 5
Prerequisite: ACCT 090 or placement in college level reading.

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.

▲ Y047 AHLTH 150 57 ARR ARR ARR W2 Lee R
 ▲ Y044 AHLTH 150 67 ARR ARR ARR W2 Dykes J

ANTHROPOLOGY

ANTH& 100 Survey of Anthropology 5
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.

▲ W055 ANTH& 100 37 ARR ARR ARR W1 WAOL(Staff)

- I-1 This is an I-TV class from On Campus to REC and CEC.
- I-2 This is an I-TV class from REC to CEC.
- I-3 This is an I-TV class from CEC to REC.
- H This is a partially online class.

ANTH& 204 Archaeology 5
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.

▲ W070 ANTH& 204 17 ARR ARR ARR W1 WAOL(Staff)

ANTH& 206 Cultural Anthropology 5
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.

▲ W075 ANTH& 206 17 ARR ARR ARR W1 WAOL(Staff)

ART

ART& 100 Art Appreciation 5
Recommended Preparation: ENGL& 101. Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading.

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.

▲ Y101 ART& 100 47 ARR ARR ARR W2 Michael T

BIOLOGICAL SCIENCES

BIOL& 100 Survey of Biology 5
Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading; Math 095 or placement in Math 098 or higher. Corequisite: Concurrent enrollment in BIOL& 100 Lab.

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.

▲ Y160 BIOL& 100 37 ARR ARR ARR W2 Ibrahim M

BUSINESS

BA 150 Fundamentals of Finance 5
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.

A420 BA 150 13 MW 01:00PM-01:50PM CEC 107 Blankenship

BUSINESS TECHNOLOGY

BTECH 117 Medical Transcription 3
Prerequisites: AHLTH 150 and BA 140.

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.

X444 BTECH 117 13 MW 06:00PM-07:45PM CEC106 Dodson T

Location Index
 CEC Ilwaco - Columbia Education Center
 DP Ilwaco - Dunes Pool
 TC Tuscany Cafe

BTECH 118 Medical Transcription II 3

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.

X446 BTECH 118 13 MW 06:00PM-07:45PM CEC106 Dodson T

BTECH 124 Keyboard Skillbuilding I 2

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.

▲ Y551 BTECH 124 A ARR ARR ARR W2 Miller D

BTECH 125 Keyboard Skillbuilding II 2

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.

▲ Y552 BTECH 125 A ARR ARR ARR W2 Miller D

BTECH 126 Keyboard Skillbuilding III 2

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.

▲ Y553 BTECH 126 A ARR ARR ARR W2 Miller D

BTECH 132 Medical Records - Insurance Billing and Coding 3

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.

X448 BTECH 132 13 T 05:30PM-08:00PM CEC107 Dodson T

BTECH 140 Word Processing Applications 5

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.

R456 BTECH 140 A3 TTh 12:00PM-12:50PM CEC213 I-1 Miller D

BTECH 252 Desktop Publishing 5

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.

R601 BTECH 252 A2 TTh 01:00PM-01:50PM REC 213 I-1 Miller D

CHEMISTRY

CHEM& 110 Chemical Concepts w/Lab 5

Prerequisites: A grade of "C-" or better in Math 095 or placement in Math 098.
An introduction to the fundamental principles of chemistry and the predictive power chemistry provides. Topics include elements, compounds, and mixtures; periodic properties of the elements; atomic theory and structure; molecular structure and chemical bonding; chemical notation and nomenclature; mass and molar relations; chemical reactions and the mass and energy changes accompanying them; simple thermodynamics; equilibrium, equilibrium constants and kinetics; properties of gases, liquids, solids, and solutions; properties of acids, bases, and pH; connections between chemistry and daily life. Satisfies science or lab requirement area B distribution or specified elective for the AA degree. This course does not meet the chemistry requirement for the Associate in Pre-Nursing DTA or the chemistry admissions requirement for the Associate in Applied Science Nursing degree.

▲ W190 CHEM& 110 37 ARR ARR ARR W1 WAOL (Staff)

COMPUTER INFORMATION

CIS 102 Introduction to Microsoft Office 3

Prerequisite: READ 080. Recommended Preparation: CIS 100 and CIS 101 or concurrent enrollment.
This course introduces Microsoft Office Suite and emphasizes hands on experience. Student will work with various applications including electronic spreadsheets, word processing and presentation software. 2 lecture hours, 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

R736 CIS 102 47 T 06:00PM-08:00PM 2312 I-1 Miller D

CIS 110 Introduction to Programming 5

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). *Corequisite:* Concurrent enrollment in CIS 110 Lab.

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.

▲ W205 CIS 110 47 ARR ARR ARR W1 WAOL(Staff)

CIS 125 Internet Fundamentals 5

Prerequisite: CIS 102 with a grade of "C" or instructor permission. *Corequisite:* Concurrent enrollment in CIS 125 Lab. 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.

X413 CIS 125 13 TTh 04:00PM-05:30PM CEC107 Staff

CRIMINAL JUSTICE

CJ& 101 Introduction to Criminal Justice 5

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading 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.

▲ W220 CJ& 101 37 ARR ARR ARR W1 WAOL(Staff)

CJUS 104 The Line Officer Function: Police & Corrections 5

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading 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.

▲ W235 CJUS 104 37 ARR ARR ARR W1 WAOL(Staff)

EARLY CHILDHOOD EDUCATION

ECE 101 Introduction to Childcare 2

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.

▲ W280 ECE 101 37 ARR ARR ARR W1 WAOL(Staff)

ECE 103 Guiding the Behavior of Young Children 3

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.

▲ W295 ECE 103 37 ARR ARR ARR W1 WAOL(Staff)

ECE 111 Methods of Curriculum Care 3

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.

▲ W310 ECE 111 37 ARR ARR ARR W1 WAOL(Staff)

Winter 2012

ECE 112 Health, Nutrition and Safety for Young Children 3

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.

▲ W325 ECE 112 37 ARR ARR ARR W1 WAOL(Staff)

ECE 114 Issues and Trends in ECE 3

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 caregiving for young children in an ECE environment. 3 lecture hours. May be used as a general elective in the AA degree.

▲ W345 ECE 114 37 ARR ARR ARR W1 WAOL(STAFF)
EDUC& 114 Child Development 3Child 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.

▲ W385 EDUC& 114 37 ARR ARR ARR W1 WAOL(Staff)

EARTH SCIENCE

EARTH 102 Earth Science 5

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.

▲ W265 EARTH 102 37 ARR ARR ARR W1 WAOL(Staff)

ECONOMICS

ECON 100 Introduction to Economics 5

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.

▲ Y110 ECON 100 27 ARR ARR ARR W2 Zerr M

ECON& 201 Micro Economics 5

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.

A474 ECON& 201 A3 MTWTh 11:00AM-11:50AM CEC106 I-1 Zerr M

ECON& 202 Macro Economics 5

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.

▲ Y220 ECON& 202 27 ARR ARR ARR W2 Zerr M

EDUCATION

EDUC 201 Introduction/Orientation to Teaching 5

Recommended Preparation: ENGL 095 or placement in ENGL&101; READ 090 or placement in college level reading 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.

▲ V409 EDUC 201 A ARR ARR ARR W2 Portmann C

ENGLISH

ENGL 060 English Language Study 5

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.

▲ V760 ENGL 060C ARR ARR ARR W2 Winsor S

ENGL 095 Writing Fundamentals 5

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.

▲ V762 ENGL 095 F ARR ARR ARR W2 Reisman M

ENGL& 101 English Composition I 5

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 are 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.

X332 ENGL& 101 22 MW 06:00PM-08:00PM 2315 I-1 Dragoo J
▲ V765 ENGL& 101 G ARR ARR ARR W2 Reisman M

ENVIRONMENTAL SCIENCE

ENVS& 100 Survey of Environmental Science 5

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.

▲ Y400 ENVS& 100 27 ARR ARR ARR W2 Rapaport M

FRESHMEN YEAR EXPERIENCE

FYE 102 Creating Success in College and Life 1-2

The content of this course is designed to help students make a smooth transition to college and bring an increased awareness of what GHC has to offer. Students will learn about college expectations and how to use proven strategies to develop the skills, resources and personal qualities needed to create greater academic, professional and personal success. 2 lecture hours. May be used as a general elective in the AA degree.

E422 FYE 102 E3 MTWTh 12:00PM-12:50PM CEC106 I-1 Smith D

HEALTH PROMOTION/FITNESS

HPF 101 Health and Wellness 5

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.

▲ V790 HPF 101 A ARR ARR ARR W2 Arthur G
▲ Y505 HPF 101 17 ARR ARR ARR W2 Arthur G

HISTORY

HIST& 116 Western Civilization I 5
Recommended Preparation: READ 090 or placement in college level reading; 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.

▲ Y480 HIST& 116 27 ARR ARR ARR W2 Muir D

HIST& 148 US History III 5
Recommended Preparation: READ 090 or placement in college level reading; 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.

▲ V428 HIST& 148 A ARR ARR ARR W2 Murrell G

HUMAN SERVICES

HS 202 Counseling Special Populations 5
Prerequisite: HS 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.

▲ W520 HS 202 37 ARR ARR ARR W1 WAOL(Staff)

LIBRARY

LIB 120 Learning for the 21st Century 5
 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.

W535 LIB 120 37 ARR ARR ARR ARR WAOL(Staff)

LIBRARY

LIB 101 Introduction to Information Resources 2
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 specified elective in the AA degree.

▲ V537 LIB 101 A ARR ARR ARR W2 Roush A

LIB 120 Learning for the 21st Century 5
 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.

▲ W535 LIB 120 37 ARR ARR ARR W1 WAOL(Staff)

MATHEMATICS

MATH 060 Fundamentals of Arithmetic 5
Prerequisite: Appropriate placement test score or instructor permission.

This course is designed for students who need to strengthen their skills in arithmetic. The course content includes topics on estimation, order of operations, whole numbers, fractions, decimals, ratios, proportions, percent applications, English and metric measurements, as well as perimeter and area applications of geometric objects. 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. Problem solving strategies will be stressed. 5 lecture hours.

▲ W550 MATH 060 47 ARR ARR ARR ARR WAOL(Staff)

MATH 070 Pre-Algebra 5
Prerequisites: A grade of "C-" or better in MATH 060 or appropriate placement test score or instructor permission.

This course is intended for students with little or no background in algebra to strengthen their skills in preparation for subsequent algebra courses. Topics include real number arithmetic involving fractions, decimals and percents, exponents, order of operations, algebraic expressions, manipulating and solving linear equations and inequalities with one variable, working with units, applying formulas, and graphing linear equations. The standard problem solving method is presented and used to solve basic applications, and will also be used throughout the algebra sequence. A scientific calculator is required for this course and graphing calculators are not allowed on tests. 5 lecture hours.

▲ W565 MATH 070 57 ARR ARR ARR W1 WAOL(Staff)

MATH 095 Elementary Algebra 5
Prerequisites: A grade of "C-" or better in MATH 070 or appropriate placement test score.

Elementary Algebra includes solution, graphing and application of linear and quadratic equations of one and two variables, exponent rules, scientific notation, polynomials, and factoring. 5 lecture hours.

▲ Y580 MATH 095 57 ARR ARR ARR W2 Dressler J

MATH 098 Intermediate Algebra 5
Prerequisites: A grade of "C-" or better in MATH 095 or appropriate placement test score.

MATH 098 elaborates on the foundation of basic algebra built in MATH 095. A variety of concepts and skills will be introduced to prepare students for work in college level math and math related subjects. Skills include: factoring; simplifying and solving rational expressions and equations; solving inequalities; solving proportions; simplifying and solving exponential and radical expressions and equations; solving linear and quadratic equations; graphing lines and parabolas; solving systems of equations; writing equations of lines; and setting up and solving applications involving basic science and business mathematical models. MATH 098 serves as a prerequisite to MATH&107, MATH&111, MATH&131, MATH&132, MATH&141 and MATH&146. 5 lecture hours.

▲ Y595 MATH 098 57 ARR ARR ARR W2 Dressler J

MATH& 107 Math in Society 5
Prerequisites: MATH 098 or appropriate placement score.

This course covers a variety of topics including the use of percents in relative change and difference, index numbers and the CPI, financial models and money management, statistical reasoning, measures of central tendency and variation, the normal distribution and exponential growth and decay. The material is presented at a level accessible to students who have successfully completed a course in intermediate algebra or the equivalent. It is taught at approximately the same level as college algebra and finite mathematics, but the materials is intended to be more practical for the liberal arts student. 5 lecture hours. Satisfies the quantitative skills requirement, science distribution area F requirement or specified elective for the AA degree.

▲ W610 MATH& 107 37 ARR ARR ARR W1 WAOL(Staff)

NUTRITION

NUTR& 101 Human Nutrition 5
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.

▲ Y640 NUTR& 101 17 ARR ARR ARR W2 Ibrahim M

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PHILOSOPHY**PHIL& 101 Introduction to Philosophy 5**

Recommended Preparation: READ 090 or placement in college level reading; 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.

▲ Y600 PHIL& 101 37 ARR ARR ARR W2 DeBoer A

POLITICAL SCIENCE**POLS& 202 American Government 5**

Recommended Preparation: READ 090 or placement in college level reading; 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.

▲ W670 POLS& 202 37 ARR ARR ARR W1 WAOL (STAFF)

PSYCHOLOGY**PSYC& 100 General Psychology 5**

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.

▲ Y682 PSYC& 100 67 ARR ARR ARR W2 Rolfe-Maloney
▲ Y685 PSYC& 100 77 ARR ARR ARR W2 Miller C

PSYC& 200 Lifespan Psychology 5

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.

▲ Y695 PSYC& 200 57 ARR ARR ARR W2 Saul J
▲ Y700 PSYC& 200 67 ARR ARR ARR W2 Olsen P

READING**READ 080 Developmental Reading/Study I 5**

Prerequisite: Appropriate reading placement test score or instructor permission. Extensive reading in texts and on computer of developmental 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.

▲ Y800 READ 080 27 ARR ARR ARR W2 Barker K

READ 081 Developmental Reading/Study II 5

Prerequisite: Instructor permission.

A continuation of READ 080 for those students needing an additional quarter of instruction before progressing on to Reading 090. 3 lecture hours; 4 lab hours.

▲ Y808 READ 081 27 ARR ARR ARR W2 Barker K

READ 090 College Preparatory Reading/Study I 5

Prerequisite: Appropriate reading placement test score or instructor permission.

Extensive reading, in texts and on computer, of developmental and college 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.

▲ Y815 READ 090 37 ARR ARR ARR W2 Barker K

READ 091 College Preparatory Reading/Study II 5

Prerequisite: Instructor permission.

A continuation of READ 090 for those students needing an additional quarter of instruction. 3 lecture hours; 4 lab hours.

▲ Y824 READ 091 27 ARR ARR ARR W2 Barker K

SOCIOLOGY**SOC& 101 Introduction to Sociology 5**

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 requirement or specified elective for the AA degree.

▲ Y715 SOC& 101 57 ARR ARR ARR W2 Portmann C
▲ Y720 SOC& 101 67 ARR ARR ARR W2 Portmann C