Course Descriptions

NOTE TO STUDENTS:
Common Course Numbers/Titles
To make it easier for students to transfer credits among the State’s 34 community and technical colleges, some courses are numbered and titled in a similar way at every community college in the state.
Courses that have been identified as Common Course Numbers have an “&” sign in the course number, for example: ENGL& 101.

Independent Study

Independent Study (can be offered in all subjects)
Cr: 1-5  Wkly hrs: 30 hours per credit
Clinic Courses can be offered as: 195/295. May be repeated for a maximum of 15 credits.
Allows the student to pursue topics not offered in the College Catalog through in-depth coursework under the direction of an instructor. This course may include directed readings, coverage of special topics, and other independent study. The topic and scope of study, learning objectives, work required, methods of evaluation, and academic level (195 versus 295) will be determined in conference between the student and instructor.
Prerequisite: Instructor permission.

Practicum

Practicum (can be offered in all subjects)
Cr: 1-5  Wkly hrs: 10 hours Lab
Courses can be offered as: 199/299.
A practical application in the working world of the basic theories studied in the above program or discipline.
Prerequisite: Permission of instructor.

Accounting

ACCT&201–Prin of Accounting I
Cr: 5  Wkly hrs: 5 hours Lecture
Accounting as an information system, the accounting cycle, accounting for a merchandising operation, cash, receivables, and inventories.

ACCT&202–Prin of Accounting II
Cr: 5  Wkly hrs: 5 hours Lecture
Includes accounting for fixed assets, liabilities, partnerships and corporations. Also includes the statement of cash flows as well as the underlying principles of accounting.
Prerequisite: ACCT& 201.

ACCT&203–Prin of Accounting III
Cr: 5  Wkly hrs: 5 hours Lecture
Development and analysis of accounting information for managerial decision-making.
Prerequisite: ACCT& 202 and high school algebra or its equivalent.

Adult Education – Adult Basic Education

ADABE 008–Spelling
Cr: 1-6  Wkly hrs: 6 hours Lecture
Students will learn how to spell by making sense of the English spelling system and understanding spelling rules. (Pass/No Credit)
Prerequisite: Orientation/qualifying score on state standardized assessment.

ADABE 009–Orientation to Adult Ed
Cr: 1  Wkly hrs: 1 hours Lecture
An introduction to Olympic College and its Adult Education Program. Students learn to set goals, make an educational plan, and assess their own progress. May be taken twice each academic year.
Prerequisite: Orientation/placement testing.

ADABE 041–Communication Skills 2
Cr: 1-6  Wkly hrs: 6 hours Lecture
Students who complete this course will read for literal comprehension, find and interpret information from common references, write several related sentences, and use a computer for routine tasks. (Pass/No Credit)
Prerequisite: Orientation/placement or permission of instructor.

ADABE 042–Math 2
Cr: 1-6  Wkly hrs: 6 hours Lecture
Students who complete this course will identify where math is used in real life situations and can process whole number operations in addition, subtraction, multiplication and division, and find averages. (Pass/No Credit)
Prerequisite: Orientation/placement or permission of instructor.

ADABE 051–Communication Skills 3
Cr: 1-6  Wkly hrs: 6 hours Lecture
Students who complete this course can identify their goals, define and support a reading purpose, write clear narratives of a paragraph or more, and use a computer to perform routine tasks. (Pass/No Credit)
Prerequisite: Orientation/placement or permission of instructor.

ADABE 052–Math 3
Cr: 1-6  Wkly hrs: 6 hours Lecture
Students who complete this course will be able to solve problems using whole numbers, fractions, decimals, percents, ratios, and proportions, and will be introduced to signed numbers and scientific notation. (Pass/No Credit)
Prerequisite: Orientation/placement or permission of instructor.

ADABE 061–Communication Skills 4
Cr: 1-6  Wkly hrs: 6 hours Lecture
Students who complete this course will be able to use reading and writing skills in personally relevant contexts, use resources to collect and interpret information, and use a computer to perform routine tasks. (Pass/No Credit)
Prerequisite: Orientation/placement or permission of instructor.

ADABE 062–Math 4
Cr: 1-6  Wkly hrs: 6 hours Lecture
Students who take this course will be able to problem solve using whole numbers, fractions, decimals, percents, ratios, and proportions, perimeter, area, volume, simple interest, and charts, graphs, and tables. (Pass/No Credit)
Prerequisite: Orientation/placement or permission of instructor.

ADABE 071–Communication Skills 5
Cr: 1-6  Wkly hrs: 6 hours Lecture
Students who complete this course will be able write clearly using standard grammar, usage, and punctuation; collect, interpret, and integrate information using multiple resources, and use a computer to complete routine tasks. (Pass/No Credit)
Prerequisite: Orientation/placement or permission of instructor.

ADABE 072–Math 5
Cr: 1-6  Wkly hrs: 6 hours Lecture
Students who complete this course will further develop their skills to effectively communicate and use mathematical operations up to introductory algebra and geometry. (Pass/No Credit)
Prerequisite: Orientation/placement or permission of instructor.

ADABE 076–Integrated Skills Lab for the Trades
Cr: 1-3  Wkly hrs: 6 hours Lab
This course assists students in developing basic skills necessary for success in their trades career. (Pass/No Credit)
Prerequisite: Orientation/qualifying score on state standardized assessment.

ADABE 077–Integrated Skills Lab for Health Care
Cr: 1-3  Wkly hrs: 6 hours Lab
This course assists students in developing basic skills necessary for success in their professional-technical career. (Pass/No Credit)
Prerequisite: Orientation/qualifying score on state standardized assessment.

ADABE 078–GED Preparation Lab
Cr: 1-3  Wkly hrs: 6 hours Lab
Class participants work independently in the lab setting as they select activities in reading, writing, or math. This lab helps students to develop the reading, writing, and math skills necessary for completion of the five tests of the GED through self-directed study.
Prerequisite: Orientation/placement or permission of instructor/educational planner.

ADABE 079–GED Preparation
Cr: 1-10  Wkly hrs: 10 hours Lecture
This course helps students to develop the reading, writing, and math skills necessary for completion of the five tests of the GED. (Pass/No Credit)
Prerequisite: Orientation/placement testing.

ADABE 081–Communication Skills 6
Cr: 1-6  Wkly hrs: 6 hours Lecture
Students who complete this course will be able to write clearly using standard grammar, usage, and punctuation; collect, interpret, and integrate information using multiple resources; and use a computer to complete routine tasks. (Pass/No Credit)
Prerequisite: Orientation/placement or permission of instructor.

COURSE NOTES: H=Humanities, S=Social Science
NS=Science, H/SP=Humanities/Skills Performance

*See course description for prerequisite.
Course Descriptions

成人教育 –
英语第二语言

ADABE 082–Math 6
Cr: 1-6 Wkly hrs: 6 hours Lecture
Students who complete this course will further develop the ability to use skills to effectively communicate and use mathematical operations up to and including introductory algebra and geometry. (Pass/No Credit)
Prerequisite: Orientation/placement or permission of instructor.

ADABE 090–Reading Comprehension 2
Cr: 1-6 Wkly hrs: 6 hours Lecture
Students will learn to read and comprehend words in a simple text, slowly and with few errors, to independently accomplish simple, well-defined and structured reading activities. (Pass/No Credit)
Prerequisite: Orientation/placement testing.

ADABE 091–Reading Comprehension 3
Cr: 1-6 Wkly hrs: 6 hours Lecture
Students will learn to quickly and accurately read and comprehend words and word groups in simple text to independently accomplish well-defined and structured reading activities. (Pass/No Credit)
Prerequisite: Orientation/placement testing.

ADABE 092–Reading Comprehension 4
Cr: 1-6 Wkly hrs: 6 hours Lecture
Students will learn to read a variety of texts at an appropriate pace and with good comprehension to independently accomplish structured, complex reading activities. (Pass/No Credit)
Prerequisite: Orientation/placement testing.

ADABE 093–Reading Comprehension 5
Cr: 1-6 Wkly hrs: 6 hours Lecture
Students will learn to read dense or multipart texts at an appropriate pace and with good comprehension to independently accomplish structured, complex reading activities. (Pass/No Credit)
Prerequisite: Orientation/placement testing.

ADABE 094–Reading Comprehension 6
Cr: 1-6 Wkly hrs: 6 hours Lecture
Students will learn to read long, complex texts at an appropriate pace and with good comprehension to independently accomplish structured, complex reading activities. (Pass/No Credit)
Prerequisite: Orientation/placement testing.

ADABE 095–Fundamentals of Grammar
Cr: 1-4 Wkly hrs: 4 hours Lecture
Students will have in-depth practice covering eight fundamental areas of basic English grammar to support improvement with writing and reading comprehension skills.
Prerequisite: ADABE 009 or ADABE 009; minimum level 4 ESOL placement (ADABE 060 or 061). Concurrent enrollment in a core ABE or ESOL class.

ADABE 096–ABE Transitions Reading & Writing 5
Cr: 1-6 Wkly hrs: 6 hours Lecture
Basic skill development in reading/writing. Identify parts of a sentence, grammatical concepts, vocabulary building and decoding. (Pass/No Credit)
Prerequisite: HS diploma/GED, Accuplacer scores, CASAS assessment.

ADABE 097–ABE Transitions Reading & Writing 6
Cr: 1-6 Wkly hrs: 6 hours Lecture
Advanced skill development in reading/writing. Identify parts of a sentence, grammatical concepts, vocabulary building and decoding. (Pass/No Credit)
Prerequisite: HS diploma/GED, Accuplacer scores, CASAS assessment.

ADESL 006–Basic Computer Skills/ESL
Cr: 1-3 Wkly hrs: 3 hours Lecture
Introduces ESL students to the computer skills needed for success in college, family, and workplace. (Pass/No Credit)
Prerequisite: Orientation/placement or permission of instructor.

ADESL 009–Orientation to ESL
Cr: 1 Wkly hrs: 1 hours Lecture
An introduction to the ESL program and Olympic College. Students learn to set goals, make an educational plan, use resources and assess progress. May be taken twice a year. (Pass/No Credit)
Prerequisite: Required for all new students in ESL classes.

ADESL 020–ESL Civics Literacy
Cr: 1-3 Wkly hrs: 3 hours Lecture
Students are introduced to broad concepts and responsibilities of good citizenship while participating as active community members and building English language communication skills.
Prerequisite: Students at high beginning levels (level 3) or permission of instructor.

ADESL 030–ESOL 1 Speaking/Listening
Cr: 1-5 Wkly hrs: 5 hours Lecture
Introduce students to basic survival English. It is designed for students who are true language beginners. (Pass/No Credit)
Prerequisite: Orientation/assessment or permission of instructor.

ADESL 050–ESOL 3 Speaking/Listening
Cr: 1-5 Wkly hrs: 5 hours Lecture
Built upon language skills beyond low-beginning English literacy; for students at a high-beginning level of language learning. (Pass/No Credit)
Prerequisite: Orientation/assessment; score of 3.0 in the previous level and/or permission of instructor.

ADESL 051–ESOL 3 Reading/Writing
Cr: 1-5 Wkly hrs: 5 hours Lecture
Built upon language skills beyond low-beginning English literacy; for students who are at a high-beginning level of language learning. (Pass/No Credit)
Prerequisite: Orientation/assessment; score of 3.0 in the previous level and/or permission of instructor.

ADESL 060–ESOL 4 Speaking/Listening
Cr: 1-5 Wkly hrs: 5 hours Lecture
Built upon language skills beyond low-beginning English literacy; for students at a high-intermediate level of language learning. (Pass/No Credit)
Prerequisite: Orientation/assessment or permission of instructor.

ADESL 061–ESOL 4 Reading/Writing
Cr: 1-5 Wkly hrs: 5 hours Lecture
Built upon language skills beyond low-beginning English literacy; for students at a low-intermediate level of language learning. (Pass/No Credit)
Prerequisite: Orientation/assessment; score of 3.0 in the previous level and/or permission of instructor.

ADESL 068–ESOL 5 Bridge Speaking/Learning
Cr: 1-7 Wkly hrs: 7 hours Lecture
Built upon language skills beyond low-intermediate English for high intermediate level learners to prepare for advanced English classes. (Pass/No Credit)
Prerequisite: Orientation/assessment or permission of instructor.

ADESL 069–ESOL 5 Bridge Reading/Writing
Cr: 1-7 Wkly hrs: 7 hours Lecture
Built upon advanced language skills. It is designed for students with a high level of English fluency. (Pass/No Credit)
Prerequisite: Orientation/assessment or permission of instructor.

ADESL 070–ESOL 6 Bridge Speaking/Learning
Cr: 1-7 Wkly hrs: 7 hours Lecture
Built upon advanced language skills beyond high intermediate English. Designed for advanced level learners to prepare for matriculating to college credit classes. (Pass/No Credit)
Prerequisite: Orientation/assessment; score of 3.0 in the previous level and/or permission of instructor.

ADESL 071–ESOL 6 Bridge Reading/Writing
Cr: 1-7 Wkly hrs: 7 hours Lecture
Introduce students to the linguistic, cultural and study skills necessary for matriculating into college level classes at a community college. (Pass/No Credit)
Prerequisite: Orientation/assessment or permission of instructor.
Course Descriptions

ADSL 083–Beginning Pronunciation ESL
Cr: 2 Wkly hrs: 2 hours Lecture
Improving pronunciation of American English for community, academic, and workplace settings for beginning students with basic English skills.
Prerequisite: Orientation/placement testing.

ADSL 084–Intermediate Pronunciation ESL
Cr: 2 Wkly hrs: 2 hours Lecture
Improving pronunciation of American English for community, academic, and workplace settings for students with intermediate English language skills.
Prerequisite: Orientation/placement testing.

ADSL 085–Advanced Pronunciation ESL
Cr: 2 Wkly hrs: 2 hours Lecture
Improving pronunciation of American English for community, academic, and workplace settings for students with advanced English language skills.
Prerequisite: Orientation/placement testing.

ADSL 086–Conversational English
Cr: 2 Wkly hrs: 2 hours Lecture
Students develop conversational skills in English by discussing self, family, work, community and current events.

ADSL 087–Fundamentals of Grammar
Cr: 2 Wkly hrs: 2 hours Lecture
A review of English grammar for non-native English speakers who have an intermediate or advanced vocabulary.
Prerequisite: Orientation.

ADSL 090–Bridge to College Success
Cr: 1-4 Wkly hrs: 4 hours Lecture
Designed for non-native speakers of English, this course provides ESOL instruction in the context of transitioning into college level courses. Students will learn how to navigate the American college system from registration through graduation while improving their English skills in reading, writing, listening, and speaking. They will become familiar with the culture, systems, and processes necessary for successful transitions into American higher education.
Prerequisite: ADESL 009 or ADABE 009; minimum level 4 ESOL placement (ADESL 060 or 061). Concurrent enrollment in a core ESOL class.

American Sign Language

ASL & 121–Am Sign Language I
Cr: 5 Wkly hrs: 5 hours Lecture
H - An introductory course focusing on expressive and receptive signing in the context of everyday situations. In addition to basic vocabulary and grammar, the culture and history of the deaf and culturally appropriate behaviors are introduced.

ASL & 122–Am Sign Language II
Cr: 5 Wkly hrs: 5 hours Lecture
H - Continued study of ASL focused on expanding vocabulary and grammar to intermediate level with an emphasis on expressive and receptive skills. Further discussion of the deaf culture is also included.
Prerequisite: ASL & 121 with 2.0 or better or permission of instructor.

ASL & 123–Am Sign Language III
Cr: 5 Wkly hrs: 5 hours Lecture
H - Continued study of ASL focused on expanding vocabulary and grammar with emphasis on expressive and receptive skills. Further discussion of deaf culture.
Prerequisite: ASL & 122 with 2.0 or better or permission of instructor.

Anthropology

ANTH&100–Survey of Anthropology
Cr: 5 Wkly hrs: 5 hours Lecture
- Survey of the subfields of archaeology, biological anthropology and linguistic and cultural anthropology; physical and cultural variation and change examined.

ANTH&204–Archaeology
Cr: 5 Wkly hrs: 5 hours Lecture
- Techniques, principles, issues, and goals of archaeological research; also prehistoric record examined.

ANTH&205–Biological Anthropology
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Views humans as biological organisms within the framework of culture. Attention is given to human variation and adaptation; genetics, primate studies, fossil evidence for human evolution.
Prerequisite: Recommend ANTH& 100.

ANTH&206–Cultural Anthropology
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Cross-cultural comparison of non-Western and Western cultures; includes history, theories, and methods of the field.

ANTH&207–Linguistic Anthropology
Cr: 5 Wkly hrs: 5 hours Lecture
H/SS - Linguistic methods and theories used within anthropology; includes a variety of approaches to the study of language.

ANTH&210–Indians of North America
Cr: 5 Wkly hrs: 5 hours Lecture
SS - History, social organization, subsistence, colonialism, and contemporary issues examined with emphasis on the cultural diversity of Native American cultures.

ANTH 212–Environmental Anthropology
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Anthropological understanding of local and global environmental problems and sustainability. Human adaptation to the environment. Globalization, ethnology, political ecology, environmental justice, history, theory, methods of Environmental Anthropology.

ANTH 325–Death: A Comparative Perspective
Cr: 5 Wkly hrs: 5 hours Lecture
H/SS - Course examines mourning rituals, mortuary practices, beliefs in afterlife, medical/ethical issues, and images of death in both Western and Non Western cultures.
Prerequisite: None (Cultural Anthropology or ADN Degree recommended.)

ANTH 335–Culture/Health/Healing
Cr: 5 Wkly hrs: 5 hours Lecture
H/SS - The course introduces students to an anthropological perspective on disease, illness, and health. The course will examine cultural explanations of and responses to disease and illness (physical and mental), different cultural approaches to treatment and curing, and factors (cultural and environmental) that influence the distribution of disease, illness, and health within and between cultures.
Prerequisite: None (ANTH& 206 or ADN Degree recommended).

Art

ART & 100–Art Appreciation
Cr: 5 Wkly hrs: 5 hours Lecture
H - Student finds personal meaning in visual arts, painting, sculpture, and architecture with emphasis on diversity of form, content, and comparative styles.

ART 102–Art History/Ancient–Byzantine
Cr: 5 Wkly hrs: 5 hours Lecture
H - Major achievements in painting, sculpture, architecture, and the decorative arts in Europe, the Near East and North Africa from prehistoric times through the Byzantine Period.

ART 103–Art History/Medieval–Renaissance
Cr: 5 Wkly hrs: 5 hours Lecture
H - Major achievements in painting, sculpture, architecture, and the decorative arts in Europe, the Near East, and North Africa from Early Medieval through the 16th Century.

ART 104–Art History/Baroque–Modern
Cr: 5 Wkly hrs: 5 hours Lecture
H - Major achievements in painting, sculpture, architecture, and the decorative arts in Europe, The Americas, China, Japan, India and Africa from the Baroque Period to the present.

ART 106–Drawing I
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H - Drawing from still life and landscape, with an emphasis on observation, technique and design skills.

ART 107–Drawing II
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H - Continued study of still life and landscape with an introduction to the figure and further media.
Prerequisite: ART 106.

ART 110–Design I
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H - Study of the relationship of form; the elements and the principle of art and organization as an understanding of two-dimensional art design.

ART 111–Design II
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H - Continuation of ART 110 with emphasis on color theory. Increasing visual awareness through a working knowledge of the formal principle of color and two dimensional design.
Prerequisite: ART 110.

ART 117–Art History/Northwest Coast
Cr: 5 Wkly hrs: 5 hours Lecture
H - The Native Arts of the Northwest coastal region from Prehistory to the present.

ART 125–Ceramics I
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H/SS - Study of clay as a material for art: emphasis on wheel throwing and hand building construction. Clay and glaze chemistry and glaze application introduced along with firing atmospheres of gas and electric.

*See course description for prerequisite.
ART 206–Drawing III
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H/SP - Further study of still life, landscape, and the figure with continued exploration of media, conceptual and expressive intent.
Prerequisite: ART 107.

ART 210–Design III
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H/SP - Continuation of ART 111 with emphasis on color and experimentation of differing materials in three-dimensional form.
Prerequisite: ART 111.

ART 225–Ceramics II
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H/SP - Continuation of ART 225, with further experimentation in porcelain, glazes and firing techniques.
Prerequisite: ART 125.

ART 230–Watercolor I
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H/SP - An introduction to the basic materials and techniques of watercolor painting. Emphasis will be on paint application, color theory and mixing, paper qualities, composition and stylistic possibilities of the medium.

ART 231–Watercolor II
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H/SP - Continuation of ART 230, encouraging further development of personal imagery, technique and style. A variety of subject matter will be explored.
Prerequisite: ART 230.

ART 232–Watercolor III
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H/SP - Emphasis on composition combining transparent and opaque watercolor, acrylic, pastels, ink, charcoal and collage. The development of painting within a historical and multicultural context through individual instruction.
Prerequisite: ART 231.

ART 240–Painting I
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H/SP - Introduction of fundamental techniques/materials of acrylic painting. Emphasis on composition, color theory, and paint handling of image.
Prerequisite: ART 106 strongly recommended.

ART 241–Painting II
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H/SP - Painting studio course in acrylic techniques which examines a variety of color, compositional and stylistic challenges encountered in personal artistic interpretation.
Prerequisite: ART 240.

ART 242–Painting III
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H/SP - Students will continue development of their painting skills through the exploration of 20th Century color theory and practice, composition and materials.
Prerequisite: ART 241.

ART 266–Sculpture I
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H/SP - Introduction to materials. Consideration of form. Technical and compositional exercises in clay, plaster, wire, casting materials and found object materials.

ART 267–Sculpture II
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H/SP - Further practice in the fundamentals of additive, reductive, and constructive sculpture. Introduction to large forms, conceptually based artwork and alternative materials. A short presentation about a chosen artist will be required.
Prerequisite: ART 266.

ART 268–Sculpture III
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
H/SP - Intensive creative work in a variety of media including traditional and contemporary ideas and their relationship to personal expression. A presentation on Contemporary Art is required.
Prerequisite: ART 267.

Astronomy
ASTRO 101–Introduction to Astronomy
Cr: 5 Wkly hrs: 5 hours Lecture
NS - Modern concepts and theories from the science of astronomy; motions of nighttime sky, history of astronomy, light and telescopes, solar system, stars, and galaxies. Particular emphasis on composition of our solar system.
Prerequisite: MATH 094 (Elementary Algebra) or equivalent.

ASTRO 102–Introduction to Astronomy
Cr: 5 Wkly hrs: 5 hours Lecture
NS - Properties of stars, stellar evolution, the Milky Way and other galaxies, quasars, cosmology.
Prerequisite: MATH 099 with a grade of 2.0 or above or permission of instructor.

ASTRO 105–Life in the Universe–Astrobiology
Cr: 5 Wkly hrs: 5 hours Lecture
NS - Introduction to Astrobiology, the study of the origin and evolution of life on Earth, and the search for microbial and intelligent life elsewhere in the Universe.
Prerequisite: MATH 094 (Elementary Algebra) or equivalent.

Baccalaureate Nursing
BNURS 320–Statistics for Health Research
Cr: 5 Wkly hrs: 5 hours Lecture
Provides a conceptual approach to statistics including: analysis and utilization of inferential, descriptive statistics and applications to health care research and nursing. Meets the Symbolic/Quantitative Skills requirement for BSN students.

BNURS 321–Nursing Informatics
Cr: 5 Wkly hrs: 5 hours Lecture
Analyzes information systems (IS) as they relate to clinical management, education, and research. Emphasizes informatic skills to promote client safety.
Prerequisite: Enrolled in an ADN, TADN or BSN program or have instructor permission.

BNURS 323–U.S. Health Care Crisis
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Controversies and challenges of U.S. health care including accessibility and costs. (Formerly POLS 300) (Same as POLS 323).

BNURS 325–Stress, Survival and Adaptation
Cr: 3 Wkly hrs: 3 hours Lecture

BNURS 326A–Introduction to Forensic Nursing
Cr: 3 Wkly hrs: 3 hours Lecture, 6 hours Clinic
SS - Health care and the law intersect in the area of Forensic Nursing. Students introduced to the scope and practice of this new specialty.
Prerequisite: Admission to the Baccalaureate Nursing program or eligible to take the RN NCLEX.

BNURS 340–Advanced Clinical Reasoning
Cr: 3 Wkly hrs: 3 hours Lecture
Examine clinical nursing phenomena and therapies from the perspective of human physiologic response, including pathophysiologic, experiential and behavioral events. Includes life span and sociocultural factors.
Prerequisite: Acceptance into BSN program or permission of instructor.

BNURS 350–Professional Writing for Nurses
Cr: 3 Wkly hrs: 3 hours Lecture
Analytical reasoning and writing relevant to nursing practice. Theories of decision making and problem solving related to health problems and clinical situations.
Prerequisite: Acceptance into RN-BSN Program or permission of instructor.

BNURS 402–Families in the Community
Cr: 3 Wkly hrs: 3 hours Lecture
Focus on concepts of health, community, and environments as they relate to the health of diverse families in a range of settings. Nursing roles in family health are explored.
Prerequisite: Acceptance into BSN program or permission of instructor.

BNURS 403–Connecting Research to Nursing
Cr: 3 Wkly hrs: 3 hours Lecture
Introduction to research methodologies and utilizing health care color research to support evidence-based nursing practice.
Prerequisite: Acceptance into BSN program. Completion of statistics requirement.

BNURS 407–Perspectives on Diversity
Cr: 3 Wkly hrs: 3 hours Lecture
The human dignity, inherent worth and uniqueness of individuals, families, groups and communities; and the ways that difference is defined, used, and experienced in society.
Prerequisite: Acceptance into BSN program or permission of instructor.
Course Descriptions

BNURS 408–Health & Wellness Promotion Clinical
Cr: 3 Wkly hrs: 6 hours Lab
Assessment and development of a plan of care to promote healthy families in rural and urban communities.
Prerequisite: Acceptance into the RN-BSN program. Successful completion of or concurrent enrollment in BNURS 402.

BNURS 409–Community Health Nursing Theory
Cr: 3 Wkly hrs: 3 hours Lecture
Introduces theories, concepts, and strategies used to promote health for communities and populations.
Prerequisite: Acceptance into RN-BSN program or permission of instructor.

BNURS 410–Contemporary Ethics in Nursing
Cr: 3 Wkly hrs: 3 hours Lecture
Apply ethical theories and identify the influence of cultural, societal, professional and other sources of values on ethical decision making in nursing.
Prerequisite: Acceptance into RN-BSN program or permission of instructor.

BNURS 411–Community Health Nursing Application
Cr: 3 Wkly hrs: 6 hours Clinic
Application of theories, concepts and strategies used to promote health for communities and populations.
Prerequisite: Acceptance into RN-BSN program or permission of instructor.

BNURS 412–Nursing Leadership in Health Systems
Cr: 3 Wkly hrs: 3 hours Lecture
Basic organizational and system leadership for quality care and patient safety. Integration of Institute for Healthcare Improvement standards. Prepares RN to lead change.
Prerequisite: Admission to Baccalaureate Nursing program or permission of the instructor.

BNURS 430–Interactive Nursing Communication
Cr: 3 Wkly hrs: 3 hours Lecture
Explores communication concepts. Emphasis on theoretical models of communication, and development of communication abilities.
Prerequisite: Acceptance into BSN Program or permission of instructor.

BNURS 450–Professional Development Seminar I
Cr: 1 Wkly hrs: 1 hour Lecture
Prepares registered nurse (RN) professionals for transition to baccalaureate learning and documentation of program outcomes.
Prerequisite: Admission to Baccalaureate Nursing program.

BNURS 451–Professional Development Seminar II
Cr: 1 Wkly hrs: 1 hour Lecture
Evaluation to reflect personal growth and achievement of RN to BSN program outcomes.
Prerequisite: Completion of all upper division general education and all BNURS courses prior to last quarter of study. Concurrent enrollment in BNURS 409 and 411. Completion of BNURS 409 and 411 in spring quarter is required for one year program students.

Biography

BIOL 101–Introduction to Marine Science
Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab
- Origin and extent of the ocean, its biological, chemical, geological, and physical aspects. Interactions of plants and animals in the sea and their use by humans, includes field trips.

BIOL 104–Plant Biology
Cr: 5 Wkly hrs: 5 hours Lecture
- Basic content on plants, emphasizing diversity of structures, functions, economic importance, and function of plants in vegetation systems and human communities.

BIOL 114–Natural Hist/Pacific NW
Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab
- An introduction to the native flowering plants of Western Washington. Emphasis on the use of taxonomic keys to identify the local flowering plants. For students majoring in forestry, game management, botany, horticulture, ecology, and those interested in learning more about their natural surroundings.

BIOL 115–Freshwater Biology
Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab
- Local freshwater organisms and basic biological, physical, and chemical factors of the inland water environment. Field trips to ponds, lakes, streams, and estuaries in the immediate area.

BIOL 120–Local Flora
Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab
- A continuation of BIOL 201 emphasizing the purpose of understanding how to best manage these systems for biological diversity and human use. Laboratory includes extensive field work.
Prerequisite: One year of Biology.

BIOL 130–Ecology of the Northwest
Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab
- The course applies basic ecological principles to fresh water ecosystems for the purpose of understanding how to best manage these systems for biological diversity and human use. Laboratory includes extensive field work.
Prerequisite: One year of Biology.

BIOL 131–Ecology of the Northwest
Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab
- The course applies basic ecological principles to the marine, fresh water and forest ecosystems for the purpose of understanding how to best manage these systems for biological diversity and human use. Laboratory includes extensive field work.
Prerequisite: One year of Biology.

CDP 003–Ecology of the Northwest
Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab
- The course applies basic ecological principles to the marine and fresh water ecosystems for the purpose of understanding how to best manage these systems for biological diversity and human use. Laboratory includes extensive field work.
Prerequisite: One year of Biology.

CDP 100–Environmental Issues
Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab
- Ecological principles, the relationship of humans to the environment, and solutions to environmental problems. Recommended for non-science majors. Community service requirement.
Prerequisite: MATH 094 and ENGL& 101.

CDP 160–General Biology w/Lab
Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab
- A general overview of important areas of biology for non-science majors beginning at the cellular level and culminating with a consideration of interactions and changes in natural populations. Includes laboratory.

CDP 175–Human Biology w/Lab
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
- The structure and function of major systems and current health issues of the human body. Includes gross anatomy and histology. Recommend for pre-professional programs.

CDP 200–Nutrition
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
- Basic principles of nutrition emphasizing the physiological requirements for proteins, lipids, carbohydrates, vitamins, and minerals; their sources; their relationship to metabolism, nutritional status, and common health problems. A brief introduction to naturopathic medicine is included.
Prerequisite: CHEM& 121 or CHEM& 141/142, or CHEM& 241/242 and a minimum of 5 credits in any of the following Biology courses with a lab. (BIOL& 160, BIOL& 241), or CHEM& 131, all with a grade of 2.0 or better.

CDP 201–Majors Biology I
Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab
- An introduction to the biological sciences, emphasizing genetic and cellular processes common to plants and animals. For majors and non-majors; prepares students for advanced biology courses and pre-professional programs.
Prerequisite: None, however, to satisfy the prerequisite for upper division biology courses at some institutions, a year of general chemistry must be completed.

CDP 202–Majors Biology II
Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab
- A continuation of BIOL 201 emphasizing reproduction, growth, and homeostasis in plants and animals. For majors and non-majors; prepares students for advanced biology courses and pre-professional programs.
Prerequisite: BIOL 201 suggested or permission of instructor.

CDP 203–Majors Biology III
Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab
- A continuation and expansion of BIOL 201 and 202 emphasizing molecular and developmental genetics of both prokaryotic and eukaryotic organisms as well as the major topics of ecology, i.e., populations, communities, and ecosystems. For majors and non-majors, prepares students for advanced biology courses and pre-professional programs.
Prerequisite: BIOL 201 and BIOL 202 suggested or permission of instructor.
**Biological & Physical Sciences**

**BUS& 101--Intro to Business**
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Business operations: management, marketing, finance, and human resources. Business environments: global, economic, social, ethical, and political.

**BUS& 201--Business Law**
Cr: 5 Wkly hrs: 5 hours Lecture
Origin and development of business law, the legal system, and enforcement of individual legal rights; law of contracts, crimes, and business contracts.

**BUS 215--Business Statistics**
Cr: 5 Wkly hrs: 5 hours Lecture
NS - Application of statistics in the fields of economics and business; descriptive statistics, inferential statistics, linear correlation and regression, probability, sampling, the Normal Distribution, confidence intervals, hypothesis testing.

**BUS 242--Human A & P 1**
Cr: 6 Wkly hrs: 4.5 hours Lecture, 3 hours Lab
NS - Analysis of representative vertebrates for the chemical-physical process in organ systems and their gross anatomy and histology as they pertain to the human body. Enrollment in BIOL 241-BIOL 242 insures transferable credit.

**BUS 246--Microbiology**
Cr: 5 Wkly hrs: 4 hours Lab
NS - The structure, function, metabolism, genetics, control and cultivation of microorganisms, and their role in immunity and disease. For pre-professionals.

**BUS 351--Medical Genetics**
Cr: 5 Wkly hrs: 5 hours Lecture
NS - Seminar-style and on-line course examining various genetic conditions and their relationship to disease in the population. Discussion will be oriented toward healthcare professionals.

**Business Management**

**BMGMT 102--Introduction to Business**
Cr: 5 Wkly hrs: 5 hours Lecture
This course examines the fundamental issues facing international commerce. The course covers: country and regional differences, the economics and politics of global trade and investment, business strategies and structures of international firms, and the global monetary system. WTO and the world's basic religions are also covered.

**BMGMT 105--Introduction to Financial Planning**
Cr: 5 Wkly hrs: 5 hours Lecture
Includes common sense budgeting and money management tips. Explores major capital markets including: Stocks, Bonds, Mutual Funds, Money Markets and Real Estate. Provides insights into Consumer Credit, Predatory Lending, Identity Theft, Phishing, and Check Cashing Outlets. Basic Insurance, Transportation, and Retirement Planning needs are also discussed. There's no reason not to have a financial plan anymore!

**BMGMT 140--Business and Personal Mathematics**
Cr: 5 Wkly hrs: 5 hours Lecture
Solving practical business problems in an applied context involving one-variable linear equations. Bank account reconciliation and metrics are also discussed.

**BMGMT 145--Business Ethics**
Cr: 2 Wkly hrs: 2 hours Lecture
Discover significant resources to increase your ability to engage in an ethical decision making process. This course also explores professional business behavior and potential workplace Ethical Dilemmas.

**BMGMT 146--Entrepreneurship: Financial Analysis**
Cr: 2 Wkly hrs: 2 hours Lecture
One-day entrepreneurial seminar focusing on small business financial statements and the use of ratios and trend analysis in turning your business around.

**BMGMT 147--H.R. Interviewing/Risk Management**
Cr: 2 Wkly hrs: 2 hours Lecture
An entrepreneurial series, two-day seminar, emphasizing interviewing techniques, and human resource risk management.

**BMGMT 148--Deadline and Project Management**
Cr: 1 Wkly hrs: 1 hour Lecture
An entrepreneurial series, one-day seminar introducing basic tips on how to manage multiple projects/deadlines, and interpret and draw basic project management PERT Diagrams and Gantt Charts. Applicable to start-up and existing small businesses.

**BMGMT 149--Entrepreneurship: Marketing for Growth**
Cr: 2 Wkly hrs: 2 hours Lecture
An entrepreneurial seminar covering marketing communication techniques critical for small business survival. Topics include: mission statements, W-O-M advertising, press releases, P.R. and social media.

**BMGMT 170--Client/Customer Relations**
Cr: 2 Wkly hrs: 2 hours Lecture
Provides customer relationship management (CRM) skill development to create an organizational culture that delivers superior quality services in challenging situations.

**BMGMT 180--Marketing**
Cr: 5 Wkly hrs: 5 hours Lecture
Marketing in the new millennium is all about building profitable customer relationships. This course explores consumer buying behavior, decisions as to which target markets the organization can strategically access and serve, and determinants of a compelling value position to attract, keep, and grow targeted customers. You'll never view commercials the same way again.

**BMGMT 181--Principles of Sales**
Cr: 5 Wkly hrs: 5 hours Lecture
Selling isn't what it used to be. Find out how being an information provider can help you better meet your customer's needs, improve opportunities for sales and support a customer relationship management program (CRM). This course provides an introduction into a number of effective selling techniques, information on handling objections, active listening and preparing that winning sales presentation.

**BMGMT 183--Negotiations**
Cr: 5 Wkly hrs: 5 hours Lecture
The fundamentals of effective Win-Win strategies and tactics imperative to getting what you want through the positive use of communication, information and negotiating power.

**BMGMT 185--E-Business Strategies**
Cr: 5 Wkly hrs: 5 hours Lecture
An interactive course balancing technical and strategic aspects of electronic business. Electronic platforms, payment systems, regulation, security and privacy issues addressed.

**BMGMT 203--Small Business Planning/Management**
Cr: 5 Wkly hrs: 5 hours Lecture
Discusses proper legal structures; financial competencies; and promotional strategies for start-up and existing businesses. A Business Plan is outlined. Prior accounting and marketing coursework or relevant business experience is strongly recommended.

**BMGMT 247--H.R. Performance Reviews**
Cr: 2 Wkly hrs: 2 hours Lecture
This entrepreneurial seminar outlines strategies on how to improve the employee performance review process. Wrongful termination is also discussed.

**BMGMT 282--Principles of Leadership/Management**
Cr: 5 Wkly hrs: 5 hours Lecture
Exploration of the functions of management and strategies for effective leadership. Provides an overview of management theory, organizational structure, teams and team leadership, empowerment, and the relevance of government regulation and social responsibility to managerial decision making in a global business environment. A Skill-Based Career Portfolio is developed.
Business Technology

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
</table>
| BSTEC 101 – Adaptive Keyboarding – One-Handed | 3 Cr. Wkly hrs: 6 hours Lab
Students will learn and develop skill in alphanumeric keyboarding and 20-key data entry using a one-handed keyboard. |
| BSTEC 102 – Screen Magnification | 1 Cr. Wkly hrs: 2 hours Lab
Students will acquire the skills and knowledge to access and manipulate text using screen magnification. |
| BSTEC 103 – Braille Translation and Printing | 3 Cr. Wkly hrs: 6 hours Lab
Comprehensive introduction to translating an ink-print document into Braille using a Braille translation program and printing in Braille. Prerequisite: BSTEC 104. |
| BSTEC 104 – Screen Reader Software Level 1 | 3 Cr. Wkly hrs: 6 hours Lab
Introduction to the basics of voice-output software in a Windows environment. Instruction and use of basic keyboard commands to access and hear text voiced on the computer screen. JAWS or other screen reader technology. Prerequisite: Keyboarding skills. |
| BSTEC 105 – Screen Reader Software Level 2 | 3 Cr. Wkly hrs: 6 hours Lab
Instruction on producing, reading, and manipulating a word processing document using PC cursor commands to access menu bars and icons using JAWS or other screen reader technology. Prerequisite: BSTEC 104. |
| BSTEC 106 – Screen Reader Software Level 3 | 3 Cr. Wkly hrs: 6 hours Lab
The use of voice output to access and read graphic-based, mouse-driven environments, such as Windows desktop and web pages. Prerequisite: BSTEC 105. |
| BSTEC 107 – Voice Recognition Level 1 | 3 Cr. Wkly hrs: 6 hours Lab
Introduction to DragonDictate. Use basic voice-activated input commands to build voice files, dictate a simple written document, and correct errors. |
| BSTEC 108 – Voice Recognition Level 2 | 3 Cr. Wkly hrs: 6 hours Lab
Learn to format and manipulate a document using intermediate voice-activated commands. Prerequisite: BSTEC 107. |
| BSTEC 109 – Doc. Processing with Speech Tec. | 3 Cr. Wkly hrs: 6 hours Lab
Basic Document Processing with speech technologies: Dragon, Windows Speech, etc. Substitutes for BSTEC 111, when BSTEC speed requirement not met. Prerequisite: Computer competency recommended. |
| BSTEC 110 – Beginning Keyboarding | 3 Cr. Wkly hrs: 1 hour Lecture, 4 hours Lab
Learn and develop skill in alphanumeric keyboarding, 10-key data entry, basic computer functions, and basic document formatting. |
| BSTEC 111 – Intermediate Keyboarding | 3 Cr. Wkly hrs: 1 hour Lecture, 4 hours Lab
Improve speed and accuracy of alphabetical and numerical data entry including business document formatting and 10-key pad skills using the touch system. Prerequisite: BSTEC 110 or equivalent. |
| BSTEC 112 – Advanced Keyboarding | 3 Cr. Wkly hrs: 1 hour Lecture, 4 hours Lab
Student will improve both speed and accuracy of alphanumeric keyboarding skills using the touch system and gain training in keyboarding test techniques. Prerequisite: BSTEC 111 or permission of instructor. |
| BSTEC 113 – Internet Basics | 1 Cr. Wkly hrs: 1 hour Lecture
Introduction to tools and strategies to communicate, explore, and retrieve information using the Internet resources. Some computer skills required. Text required. |
| BSTEC 114 – MS Outlook | 2 Cr. Wkly hrs: 1 hour Lecture
Introduction to MS Outlook as an information manager. E-mail, files, contact lists, journal and calendar. Basic computer skills needed. Text required. |
| BSTEC 115 – Electronic Communication | 2 Cr. Wkly hrs: 2 hours Lecture
Write effective E-mail, use instant messaging, understand confidentiality and legal aspects, and use professional English to write, edit, and proofread before hitting send. |
| BSTEC 116 – MS Word | 1 Cr. Wkly hrs: 1 hour Lecture
Introduction to word processing with Microsoft Word for simple applications. Hands-on training. Textbook required. (Pass/ No Credit or graded option) |
| BSTEC 117 – MS Excel | 1 Cr. Wkly hrs: 1 hour Lecture
Introduction to spreadsheets using Microsoft Excel for simple applications. Hands-on training. Textbook required. (Pass/No Credit or graded option) |
| BSTEC 118 – MS PowerPoint | 1 Cr. Wkly hrs: 1 hour Lecture
Understanding presentation software using Microsoft PowerPoint for simple applications. Hands-on training. Textbook required. (Pass/No Credit or grade) |
| BSTEC 119 – MS Access | 1 Cr. Wkly hrs: 1 hour Lecture
Microsoft Access database system, file structures and practical applications in the Windows environment. Computer skills suggested. Text required. |
| BSTEC 120 – MS Transitions | 2 Cr. Wkly hrs: 2 hours Lecture
Transition Microsoft Office skills using illustrated approach to most significant changes in terminology, features, and platform (Word, Excel, Access and PowerPoint). |
| BSTEC 121 – MS Publisher | 1 Cr. Wkly hrs: 1 hour Lecture
Hands-on approach for designing and creating newsletters, stationery, flyers, brochures, and business documents. Basic computer skills needed. Text required. |
| BSTEC 123 – MS Word Specialist | 4 Cr. Wkly hrs: 3 hours Lecture, 2 hours Lab
Specialist approach to MS Word. Topics: formatting, editing, tables, columns, mail merge, graphics, Web pages. Use Word in business and help prep for the MOS Cert. test. Prerequisite: CIS 150 and keyboarding by touch, or permission of instructor. |
| BSTEC 124 – MS Excel Specialist | 4 Cr. Wkly hrs: 3 hours Lecture, 2 hours Lab
Specialist approach to MS Excel: formulas, logical functions, charts, hyperlinks, graphics, formatting, and managing data. Use Excel in business and help prep for the MOS test. Prerequisite: CIS 150 or permission of instructor. |
| BSTEC 125 – Intro to MS Office PowerPoint | 4 Cr. Wkly hrs: 3 hours Lecture, 2 hours Lab
Use MS Office PowerPoint to create and edit a presentation, augment with design, graphics, audio/video, and other formatting, and enhance slideshow techniques. |
| BSTEC 126 – Integration of Software Applications | 2 Cr. Wkly hrs: 2 hours Lecture
Reinforce understanding and proficiency with MS Office, completing tasks in Word, Excel, Access and PowerPoint, and integrating between these applications. Prerequisite: CIS 150 or permission of instructor. |
| BSTEC 127 – Microsoft Publisher Basics | 4 Cr. Wkly hrs: 3 hours Lecture, 2 hours Lab
Use Publisher to create newsletters, stationery, flyers, brochures, and other business documents. Emphasis on problem-solving, design and proofreading/editing skills. Prerequisite: BSTEC 110 or equivalent proficiency. |
| BSTEC 130 – Practical Accounting | 5 Cr. Wkly hrs: 5 hours Lecture
Introductory accounting course that includes accounting theory and practice as they apply to small business and service business situations. |
| BSTEC 132 – Electronic Printing Calculators | 2 Cr. Wkly hrs: 1 hour Lecture, 2 hours Lab
Control and operation of electronic printing and display calculators. Emphasis on attaining minimum office proficiency. |
| BSTEC 133 – Computerized Accounting | 4 Cr. Wkly hrs: 3 hours Lecture, 2 hours Lab
Hands-on, realistic approach to computerized, integrated accounting for students who have a fundamental knowledge of accounting practices and principles. Prerequisite: BSTEC 130 or ACCT& 201, or permission of instructor. |
| BSTEC 134 – Payroll Accounting | 5 Cr. Wkly hrs: 5 hours Lecture
Designed to provide information and study regarding the benefits, taxes, payroll deductions, and employment accounting records incidental to the social security and tax program. Prerequisite: BSTEC 130 or ACCT& 201 with a grade of 2.0 or higher. |

*COURSE NOTES: H=Humanities, H/SP=Humanities/Skills Performance
NS=Natural Science, SS=Social Science

See course description for prerequisite.
Course Descriptions

BSTEC 135–Accounting Simulation/Serv Business
Cr: 1 Wkly hrs: 2 hours Lab
Simulated accounting application involving the accounting cycle for a service business.
Prerequisite: BSTEC 130 or ACCT& 201.

BSTEC 136–Accounting Simulation/Merch Business
Cr: 1 Wkly hrs: 2 hours Lab
Simulated accounting application involving the accounting cycle for a merchandising business.
Prerequisite: BSTEC 130 or ACCT& 201.

BSTEC 137–Accounting Simulation/Corporation
Cr: 1 Wkly hrs: 2 hours Lab
Simulated accounting application involving the accounting cycle for a corporation.
Prerequisite: ACCT& 202.

BSTEC 138–Payroll Simulation
Cr: 1 Wkly hrs: 2 hours Lab
Simulate the payroll accounting process using computer software to apply various workplace scenarios, including converting manual procedures to automated systems.
Prerequisite: BSTEC 134.

BSTEC 141–QuickBooks
Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab
A hands-on, realistic approach to small business accounting using specialized QuickBooks accounting software and integration with Microsoft Word and Excel.
Prerequisite: BSTEC 130 or ACCT& 201 or permission of instructor.

BSTEC 142–Peachtree Accounting
Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab
A hands-on realistic approach to small business accounting using specialized Peachtree accounting software, and integration with MS Word and Excel.
Prerequisite: BSTEC 130 or ACCT& 201 or permission of instructor.

BSTEC 150–Business English
Cr: 5 Wkly hrs: 5 hours Lecture
A business-centered approach to improving writing skills by reviewing grammar, language usage, structure, English mechanics, editing, proofreading, and spelling.
Prerequisite: Assessment test at college level reading and writing or ENGL 099.

BSTEC 155–Customer Service Information Age
Cr: 2 Wkly hrs: 2 hours Lecture
Students will develop skills using various research and technological tools to help identify quality care in a customer service environment. (Pass/No Credit)

BSTEC 160–General Office Procedures
Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab
Introduction to the office environment, receptionist duties, equipment and supply control, bank services, payroll procedures, mail and resume/job hunting skills.
Prerequisite: CIS 150 and BSTEC 110 or equivalent skills with permission of instructor.

BSTEC 175–Legal Typing and Transcription
Cr: 3 Wkly hrs: 1 hours Lecture, 4 hours Lab
Legal office simulations and advanced practice using MS Word and a transcription machine. Emphasis on accuracy, formatting, and proper English usage in legal documents.
Prerequisite: BSTEC 254.

BSTEC 223–MS Excel Advanced
Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab
Includes: macros, templates, auditing tools, database tools, pivot tables. Prepares completers for personal and business settings or certification exam.
Prerequisite: BSTEC 124 or pass MOS Excel proficiency or permission of instructor.

BSTEC 229–Individual Taxation
Cr: 5 Wkly hrs: 5 hours Lecture
Study of Federal Income taxation to develop basic understanding of tax preparation requirements for individuals.
Prerequisite: BSTEC 130 or ACCT& 201.

BSTEC 231–Practical Fund Accounting
Cr: 5 Wkly hrs: 5 hours Lecture
Accounting and reporting concepts, standards and procedures applicable to state and local governments, the federal government, and not-for-profit institutions.
Prerequisite: ACCT& 201 and ACCT& 202 with a grade of 2.0 or higher.

BSTEC 239–Taxation for Business
Cr: 5 Wkly hrs: 5 hours Lecture
Prerequisite: BSTEC 130 or ACCT& 201.

BSTEC 240–Taxation Simulations
Cr: 1 Wkly hrs: 2 hours Lab
Simulate tax filings for both individual and business entities. Demonstrate knowledge of tax laws and required forms.
Prerequisite: BSTEC 229 and BSTEC 239.

BSTEC 250–Business Correspondence
Cr: 5 Wkly hrs: 5 hours Lecture
Effective composition for business letters, memos, and reports. Includes writing style, tone, grammar, punctuation, and vocabulary.
Prerequisite: BSTEC 150, or permission of instructor; keyboarding ability.

BSTEC 254–Document Formatting
Cr: 3 Wkly hrs: 1 hours Lecture, 4 hours Lab
Develop industry-standard formatting and production skills with MS Word software by keying and formatting various forms of standard industry documents.
Prerequisite: BSTEC 123, keyboarding proficiency at 30+ NWAM or permission of instructor.

BSTEC 255–Records and Database Management
Cr: 5 Wkly hrs: 5 hours Lecture
A study of the principles and practices of records storage and retrieval using manual and automated database systems, includes ARMA rules and introduction to Access.
Prerequisite: CIS 150, keyboarding proficiency at 25 WAM, or permission of instructor.

BSTEC 257–Advanced Office Applications
Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab
Integration of business-standard software skills focusing on MS Office Suite. Emphasis is on problem solving, collaboration, and independent thinking.
Prerequisite: BSTEC 123, BSTEC 124, and BSTEC 255 or CIS 154, keyboarding proficiency at 45+ NWAM or permission of instructor.

BSTEC 260–Administrative Office Management
Cr: 5 Wkly hrs: 5 hours Lecture
Designed for BSTEC or BMGMT students as capstone class, or for currently employed office personnel desiring to expand their knowledge of administrative office management.
Prerequisite: BSTEC 160 or one year general office support work experience.

BSTEC 270–Microsoft Project Management
Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab
Covers methodologies and concepts of project management including an introduction to the Microsoft Project software program to complete typical projects and exercises.
Prerequisite: CIS 150 or permission of instructor.

BSTEC 271–Project Management Simulation
Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab
Develop project management skills through a dynamic hands-on business exercise that applies real-world experiences and challenges routinely encountered in project management.
Prerequisite: BSTEC 270.

BSTEC 275–Legal Terminology
Cr: 5 Wkly hrs: 5 hours Lecture
A study of legal terminology including definitions, spelling, citations, and correct usage in legal communications and case law.

BSTEC 280–Legal Office Procedures
Cr: 5 Wkly hrs: 5 hours Lecture
A focused course on legal office procedures, law office management, and duties and responsibilities of legal office support personnel, including legal vocabulary and research.
Prerequisite: Sophomore standing or permission of instructor.

CHEM 110–Chemical Concepts w/Lab
Cr: 6 Wkly hrs: 5 hours Lecture, 2 hours Lab
Introduces chemical principles in nonmathematical format intended for the liberal arts student. Topics include food, energy, household chemicals, and drugs.
Prerequisite: MATH 094 or permission of instructor.

Chemistry

www[o]olympic.edu | Campus Switchboard: 360.792.6050 or 1.800.259.6718
Course Descriptions

CHEM&121–Intro to Chemistry
Cr: 6 Wkly hrs: 5 hours Lecture, 2 hours Lab
NS - Atomic structure, chemical bonding, quantitative chemical relationships, solutions, acids, bases, salts, buffers. An introduction to organic chemistry may be included. Primarily for ADN and Allied Health students.
Prerequisite: MATH 099 with a 2.0 or better or equivalent course or an equivalent placement score.

CHEM&131–Intro to Organic/Biochem
Cr: 6 Wkly hrs: 5 hours Lecture, 2 hours Lab
Prerequisite: Completion of CHEM& 121 with a 2.0 or better.

CHEM 137–Chemistry of the Environment
Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab
NS - The basic principles of chemistry emphasizing how they apply to the Earth, its major components, and its ecosystems.
Prerequisite: Completion of MATH 094 with a 2.0 or permission of the instructor.

CHEM&139–General Chemistry Prep
Cr: 5 Wkly hrs: 5 hours Lecture
NS - Prepares students for CHEM& 141 by introducing problem-solving techniques, the metric system, measurements, atomic structure, stoichiometry, solution chemistry, bonding, and molecular shape. NOT transferable for credit for science or engineering students.
Prerequisite: MATH 099 with a 2.0 or better or equivalent course or an equivalent placement score.

CHEM&141–General Chemistry I
Cr: 5 Wkly hrs: 5 hours Lecture
NS - Principles of chemistry including stoichiometry, enthalpy, atomic theory, gases, periodicity, chemical bonding.
Prerequisite: CHEM& 139 or CHEM& 121 with a grade of 2.0 or higher or successful completion of chemistry exam given by MESH, and MATH 099 or equivalent with a grade of 2.0 or higher.

CHEM&142–General Chemistry II
Cr: 5 Wkly hrs: 5 hours Lecture
NS - Principles of chemistry, including organic chemistry, gasses, solid and liquid states, solutions, kinetics, equilibrium, thermodynamics, acids and bases.
Prerequisite: CHEM& 141 with a grade of 2.0 or higher.

CHEM&143–General Chemistry III
Cr: 3 Wkly hrs: 3 hours Lecture
NS - Principles of chemistry relating to acid/base equilibrium systems, heterogeneous equilibrium systems, transition metal chemistry, electrochemistry and nuclear chemistry.
Prerequisite: CHEM& 142 with a grade of 2.0 or higher.

CHEM&151–General Chem Lab I
Cr: 1.5 Wkly hrs: 3 hours Lab
NS - Principles of chemistry, including organic chemistry, gases, solid and liquid states, solutions, kinetics, equilibrium, thermodynamics, acids and bases.
Prerequisite: CHEM& 141 with a grade of 2.0 or higher or concurrent enrollment in CHEM& 141.

CHEM&152–General Chem Lab II
Cr: 1.5 Wkly hrs: 3 hours Lab
NS - Experiments illustrating general principles and quantitative relationships in chemistry.
Prerequisite: CHEM& 151, CHEM& 142 with a grade of 2.0 or higher or concurrent enrollment in CHEM& 142.

CHEM&153–General Chem Lab III
Cr: 3 Wkly hrs: 6 hours Lab
NS - Volumetric and Gravimetric experiments in quantitative analysis using computer acquisition and treatment of data. Qualitative analysis of solutions containing selected metallic ions and polyatomic anions using wet chemical methods as well as a computer simulation.
Prerequisite: CHEM& 152, CHEM& 143 with a grade of 2.0 or higher or concurrent enrollment in CHEM& 143.

CHEM&241–Organic Chem I
Cr: 4 Wkly hrs: 4 hours Lecture
NS - An introduction to the alkanes, alkenes, and alkynes. Includes discussions of structure, including stereochemistry, chemical and physical properties, and substitution/elimination reactions.
Prerequisite: CHEM& 142 with a grade of 2.0 or higher.

CHEM&242–Organic Chem II
Cr: 4 Wkly hrs: 4 hours Lecture
NS - Introduction to NMR, mass spectroscopy and free radical mechanisms. The structure, synthesis and reactions of alcohols, ethers, conjugated unsaturated systems, aromatics, aldehydes, and ketones.
Prerequisite: CHEM& 241 with a grade of 2.0 or higher.

CHEM&243–Organic Chem III
Cr: 4 Wkly hrs: 4 hours Lecture
NS - Structure, nomenclature, synthesis and reactions of aldehydes and ketones, carboxylic acids and derivatives, B-dicarbonyl compounds, amines, aroyl halides, carbohydrates, lipids, and amino acids/proteins.
Prerequisite: CHEM& 242.

CHEM&251–Organic Chem Lab I
Cr: 1.5 Wkly hrs: 3 hours Lab
NS - Organic chemistry lab emphasizes mastery of techniques such as sample handling, filtration, measuring physical constants, recrystallization, extraction, GC, polarimetry, and refractometry.
Prerequisite: CHEM& 241 or concurrent enrollment.

CHEM&252–Organic Chem Lab II
Cr: 2 Wkly hrs: 4 hours Lab
NS - Organic chemistry lab emphasizes techniques such as simple, fractional, steam, and reduced pressure distillation; thin-layer, column, high-pressure liquid chromatography, and IR/NMR spectroscopy.
Prerequisite: CHEM& 251, or CHEM& 242 or concurrent enrollment in CHEM& 251.

CHEM&253–Organic Chem Lab III
Cr: 3 Wkly hrs: 6 hours Lab
NS - Includes organic qualitative analysis, an oral presentation on a journal article, and an independent synthesis project (CHEM&253).
Prerequisite: CHEM& 252, CHEM& 243, or concurrent enrollment in CHEM& 243.

Communication Studies

CMST&101–Introduction to Comm
Cr: 5 Wkly hrs: 5 hours Lecture
H - Overview of the field of Communication Studies. Discussion of spoken, mediated, and interpersonal responses to communication in changing social contexts.

CMST&102–Intro to Mass Media
Cr: 5 Wkly hrs: 5 hours Lecture
H - Students explore the ever-changing world of mass media and its impact on American Society.

CMST 105–Photography
Cr: 5 Wkly hrs: 5 hours Lecture
H - The basics of digital photojournalism with special attention to news value and composition.

CMST 115–College Newspaper Production
Cr: 1.5 Wkly hrs: 10 hours Lab
Course can be offered as: CMST 115/215. Students apply journalistic skill as reporters, photographers, editors, etc. for the print and online editions of The Olympian. May be repeated up to 10 credits. (Pass/No Credit)

CMST 125–Reporting and News Writing I
Cr: 5 Wkly hrs: 5 hours Lecture
Prerequisite: ENGL& 101 eligibility.

CMST&210–Interpersonal Communication
Cr: 5 Wkly hrs: 5 hours Lecture
H - Students will explore the complexity of communication in everyday life. This course will introduce students to major concepts and theories about face-to-face interaction. Students will learn how communication functions in a variety of contexts and relationships, and will improve their understanding of psychological, sociological, and relational factors that influence their communication with others.
Prerequisite: ENGL& 101 with a grade of 2.0 or above.

CMST&220–Public Speaking
Cr: 5 Wkly hrs: 5 hours Lecture
H - Principles and techniques of preparing and delivering effective public speeches to inform, analyze, and persuade.

CMST 225–Reporting and News Writing II
Cr: 5 Wkly hrs: 5 hours Lecture
H - Intermediate level course in advanced reporting and news and feature writing. Students will be encouraged to submit work for publication in the student paper, The Olympian.
Prerequisite: CMST 125.
CMST&230–Small Group Communication  
Cr: 5  Wkly hrs: 5 hours Lecture  
H - Students will explore, examine, and practice the dynamics within in organizational small groups including diversity, leadership, conflict management, decision making, and strategic thinking.  
Prerequisite: ENGL& 101 with a grade of 2.0 or above.

CMST 242–Career Communications  
Cr: 5  Wkly hrs: 5 hours Lecture  
H - The study of communication in career settings. Material to be covered includes verbal and non-verbal language, listening, interviewing, conflict resolution, and oral presentations.

CMST 250–Intro to Popular Communication  
Cr: 5  Wkly hrs: 5 hours Lecture  
H - To examine how popular communication exists as a part of everyday life, and critically analyze the rhetoric of popular artifacts.  
Prerequisite: ENGL& 101 with a grade of 2.0 or above.

CMST 253–Intercultural Communication  
Cr: 5  Wkly hrs: 5 hours Lecture  
H - Increase awareness of and sensitivity to other cultures, cultural backgrounds, and teach us to communicate effectively in our increasingly culturally diverse, interdependent world, of diverse individuals and audiences. (Formerly CMST 153)  
Prerequisite: ENGL& 101 with a grade of 2.0 or above.

CMST 263–Sex and Gender in Communication  
Cr: 5  Wkly hrs: 5 hours Lecture  
H - Exploration of communication as a reflection of and constructive tool for gender and sex roles. Considers the role of media, popular culture, gendered language, and performance of gender in various communicative contexts.  
Prerequisite: ENGL& 101 with a grade of 2.0 or above.

CMST 273–Digital Cultures  
Cr: 5  Wkly hrs: 5 hours Lecture  
H - Exploration of contemporary cultures as constructed through new media and digital communication practices. This course looks at the history and impact of creative digital communication in local and global contexts.  
Prerequisite: ENGL& 101 with a grade of 2.0 or above.

CMST 293–Ethical and Legal Principles of Media  
Cr: 5  Wkly hrs: 5 hours Lecture  
H - Ethical and legal principles studied as they apply to media.

Computer Information Systems

Also see Digital Media Arts

CIS 100–Computer Literacy for Online Learning  
Cr: 2  Wkly hrs: 2 hours Lecture  
This class will help prepare students for success in online learning by focusing on basic computer literacy and eLearning environments. (Formerly CMPTR 100)

CIS 101–Computer Literacy Assessment  
Cr: 1  Wkly hrs: 2 hours Lab  
Demonstrate mastery of basic computer use, file management, word processing, spreadsheets, the World Wide Web, and email, through assessment tests. (Pass/No Credit) (Formerly CMPTR 101)

CIS 107–Introduction to Personal Computers  
Cr: 1  Wkly hrs: 1 hour Lecture  
Introduction to personal computers for first time users. Computer terminology, PC hardware options, windows operating systems, basic software techniques and basic Internet use. (Formerly CMPTR 130)

CIS 108–Women and Technology  
Cr: 2  Wkly hrs: 2 hours Lecture  
Increase career knowledge and preparation in entering technology related fields. Explore strategies for achievement and success in the world of current and emerging technologies. (Pass/No Credit) (Formerly CMPTR 103)

CIS 109–Small Office/Home Office Networking  
Cr: 2  Wkly hrs: 2 hours Lecture  
How to install, configure and operate a small office/home office (SOHO) network. (Pass/No Credit) (Formerly CMPTR 105)

CIS 110–Information Systems Concepts  
Cr: 5  Wkly hrs: 5 hours Lecture  
Explore the fundamentals of information processing. Topics include: hardware, software, networking, the Internet, programming, and databases. (Formerly CMPTR 110)  
Prerequisite: Basic knowledge of Microsoft Windows XP or later. Competent keyboard skills.

CIS 111–Introduction to Operating Systems  
Cr: 4  Wkly hrs: 3 hours Lecture, 2 hours Lab  
An introduction to operating system theory and common operating systems found in business environments, like Windows, MS-DOS, and UNIX, with hands-on activities. (Formerly CMPTR 111)  
Prerequisite: CIS 110 or concurrent enrollment or permission of instructor.

CIS 112–Introduction to Windows  
Cr: 1  Wkly hrs: 1 hour Lecture  
An introduction to Windows. Students will navigate and use Windows for simple applications. Textbook required. (Formerly CMPTR 112)

CIS 114–Introduction to HTML  
Cr: 1  Wkly hrs: 1 hour Lecture  
Learn to use HTML tags to create web pages in accordance with XHTML specifications. Create links, format text, create bulleted and numbered lists, insert images and background color/images, produce image maps, create forms, and understand multimedia possibilities. (Pass/No Credit) ( Formerly CMPTR 111)  
Prerequisite: Basic knowledge of Microsoft Windows 95 or later. Competent keyboarding skills.

CIS 115–Introduction to the Internet  
Cr: 3  Wkly hrs: 2 hours Lecture, 2 hours Lab  
Explore various services and features of the Internet beyond just surfing like email, FTP, search engines, HTML, online security, and WiFi. (Formerly CMPTR 115)

CIS 116–Intro to MS Visio  
Cr: 1  Wkly hrs: 1 hour Lecture  
Introduction to Microsoft Visio to create flow diagrams, basic organizational charts, and network diagrams. Knowledge of basic computer skills suggested. Text required. (Formerly CMPTR 139)

CIS 123–Systems Architecture and Logic  
Cr: 5  Wkly hrs: 5 hours Lecture  
Provide logic and computational model for small and large computer systems and networks. (Formerly CMPTR 123)  
Prerequisite: CIS 110 and MATH 090A.

CIS 125–Introduction to Dreamweaver  
Cr: 4  Wkly hrs: 3 hours Lecture, 2 hours Lab  
Students will use this robust application to plan, design, build, publish and manage a web site. Formatting, images, navigation, animation, and multimedia are included.  
Prerequisite: Competency managing files and folders. Students must have basic HTML skills or permission of instructor before entering this course - the skills may be obtained by taking CIS 114 or CIS 155.

CIS 141–Programming Concepts  
Cr: 5  Wkly hrs: 5 hours Lecture  
An introduction to programming concepts. (Formerly CMPTR 120)

CIS 142–Java I Introduction to OOP  
Cr: 5  Wkly hrs: 5 hours Lecture  
An introduction to applications development for Windows and the Web using Java applications and applets. (Formerly CMPTR 146)  
Prerequisite: CIS 141 or permission of instructor and concurrent enrollment in CIS 200 or prerequisite of CIS 145.

CIS 143–Java II Fundamentals of OOP  
Cr: 5  Wkly hrs: 5 hours Lecture  
Develops fundamental concepts and techniques for analysis, design, and implementation of computer programs using an object-oriented language. Includes graphical user interfaces, event-driven programming, recursive techniques, and data structures. (Formerly CMPTR 147)  
Prerequisite: CIS 142.

CIS 145–Introduction to C Language  
Cr: 5  Wkly hrs: 5 hours Lecture  
Writing C programs utilizing programming concepts obtained from CIS 141. Introducing C syntax for program control, functions, arrays, pointers, and string manipulation. (Formerly CMPTR 145)  
Prerequisite: CIS 141 with a grade of 2.0 or above, or permission of instructor and concurrent enrollment in CIS 200.

CIS 150–Survey of Computing  
Cr: 4  Wkly hrs: 3 hours Lecture, 2 hours Lab  
Learn basic concepts of word processing, spreadsheets, presentations, Internet, operating systems, and hardware using Internet and Computing Core Certification standards. (Formerly CMPTR 150)

*See course description for prerequisite.
CIS 154–Access for Professionals  
Cr. 4 Wkly hrs: 3 hours Lecture, 2 hours Lab  
Design and development of relational database systems, overview of database theory including normalization and development of practical applications using MS Access. (Formerly CMPTR 154)  
Prerequisite: Windows skills and a prior computer class or permission of instructor.

CIS 155–Web Development I  
Cr. 5 Wkly hrs: 5 hours Lecture  
Students will be introduced to basic HTML tags and CSS to develop simple Web sites that integrate media, tables, and forms.  
Prerequisite: Basic computer use.

CIS 160–User Interface Design  
Cr. 2 Wkly hrs: 2 hours Lecture  
Students will be introduced to designing and developing user interfaces based on design principles and design elements.  
Prerequisite: CIS 155 or (CIS 114 and CIS 141).

CIS 170–IT User Support Fundamentals  
Cr. 4 Wkly hrs: 3 hours Lecture, 2 hours Lab  
Students will develop soft skills and self-management skills needed in IT Help Desk user support. (Formerly CMPTR 185)

CIS 173–Introduction to TCP/IP  
Cr. 5 Wkly hrs: 5 hours Lecture  
Designated to give an understanding of the TCP/IP suite and the details of its implementation. (Formerly CMPTR 173)

CIS 176–PC Technical Support Essentials  
Cr. 3 Wkly hrs: 2 hours Lecture, 2 hours Lab  
Fundamentals of hardware, operating systems, troubleshooting and customer interactions for the personal computing environment. Can be taken concurrently with CIS 276. This course helps prepare students for the CompTIA A+ part 1 (220-701 Essentials) certification exam. (Formerly CMPTR 176)  
Prerequisite: Working knowledge of MS Windows operating systems (file management, managing multiple windows and tasks).

CIS 182–Networking Concepts  
Cr. 5 Wkly hrs: 5 hours Lecture  
This course is designed to introduce LAN/WAN terminology, design, topologies, protocols, various network hardware components, software, cabling and connectivity. (Formerly CMPTR 182)

CIS 190–Information System Project Management  
Cr. 4 Wkly hrs: 3 hours Lecture, 2 hours Lab  
The student will learn, apply, analyze and evaluate significant information technology projects from initiation through closing. (Formerly CMPTR 190)

CIS 200–Programming Laboratory  
Cr. 1 Wkly hrs: 2 hours Lab  
Students meet in lab to design, develop, and test programs assigned in the programming course being taken concurrently. (Formerly CMPTR 200)  
Prerequisite: Concurrent enrollment in CIS 142 or 145.

CIS 201–Networking Laboratory  
Cr. 1 Wkly hrs: 2 hours Lab  
Students meet in lab to plan, develop, and test hands-on projects assigned in networking course(s) being taken concurrently. May be repeated for a maximum of 5 credits. (Formerly CMPTR 201)

CIS 205–Introduction to XML  
Cr. 2 Wkly hrs: 2 hours Lecture  
Technical introduction to XML to create and transform well-formed XML documents into Web pages. Students will also use DTDs and namespaces. (Formerly CMPTR 205)  
Prerequisite: Basic programming (these skills can be acquired by taking CIS 141 and HTML skills (these skills can be acquired by taking CIS 114).

CIS 206–Introduction to Android Development  
Cr. 4 Wkly hrs: 3 hours Lecture, 2 hours Lab  
Students create interactive and dynamic Android wireless/mobile applications using the eclipse Integrated development environment. (Formerly CMPTR 206)  
Prerequisite: This class is intended for students with fundamental skills in Java programming and basic knowledge of XML. Students are strongly encouraged to contact faculty before enrolling in this class to review the prerequisite skills and knowledge needed for a successful experience. The prerequisite skills may be obtained by taking CIS 142 and CIS 205.

CIS 210–SQL  
Cr. 4 Wkly hrs: 3 hours Lecture, 2 hours Lab  
Introduction to structured query language (SQL) used by most relational databases. Students will create, manipulate, and query data using DDL and DML. This class is intended for students with fundamental skills in computer programming. Students are strongly encouraged to contact faculty before enrolling in this class to review the prerequisite skills and knowledge needed for a successful experience. The prerequisite skills may be obtained by taking CIS 141 and CIS 205.

CIS 212–Windows for Professionals  
Cr. 3 Wkly hrs: 2 hours Lecture, 2 hours Lab  
Offers the critical information students need to successfully support the current Microsoft Windows desktop operating system in a business. (Formerly CMPTR 212)

CIS 213–Mac OS X for Professionals  
Cr. 3 Wkly hrs: 2 hours Lecture, 2 hours Lab  
This course will prepare students for successful achievement of the Apple Certified Support Professional 10.6 Certification. (Formerly CMPTR 264)

CIS 215–Introduction to Regular Expressions  
Cr. 2 Wkly hrs: 1 hours Lecture, 2 hours Lab  
Students will search and manipulate text strings using formal regular expressions methods to support programming and network environments. This class is intended for students with fundamental skills in computer programming and familiarity with one of the following technologies: Perl, Java, .NET, C#, Python, PCRE, PHP, the vi editor, JavaScript, or *NIX shell tools. Students are strongly encouraged to contact faculty before enrolling in this class to review the prerequisite skills and knowledge needed for a successful experience. The prerequisite skills may be obtained by taking CIS 141, CIS 142, CIS 143, CIS 206, CIS 219, CIS 261, or CIS 262.

CIS 219–Introduction to ASP.NET  
Cr. 4 Wkly hrs: 3 hours Lecture, 2 hours Lab  
Students create interactive and dynamic database-driven Web applications using ASP.NET, C#, and the .NET Framework. This class is intended for students with fundamental skills in computer programming, HTML, and SQL. Students are strongly encouraged to contact faculty before enrolling in this class to review the prerequisite skills and knowledge needed for successful experience. The prerequisite skills may be obtained by taking CIS 141 and CIS 210. (Formerly CMPTR 219)

CIS 225–Advanced C Language  
Cr. 5 Wkly hrs: 5 hours Lecture  
Write C programs using data structure concepts (linklist, binary search trees). Bit manipulation and unions. Continued use of structures and functions learned in CIS 145. (Formerly CMPTR 225)  
Prerequisite: CIS 145 with a grade of 2.0 or above, or permission of instructor.

CIS 229–ASP.NET Extreme  
Cr. 4 Wkly hrs: 3 hours Lecture, 2 hours Lab  
Students explore, design, develop, and implement many advanced features of ASP.NET, including rich data controls, membership and roles, user controls, web services, AJAX, and XML. This class is intended for students with fundamental skills in computer programming, HTML, SQL, and ASP.NET. Students are strongly encouraged to contact faculty before enrolling in this class to review the prerequisite skills and knowledge needed for a successful experience. The prerequisite skills may be obtained by taking CIS 141, CIS 210, and CIS 219. (Formerly CMPTR 229)

CIS 236–Information System Security I  
Cr. 4 Wkly hrs: 3 hours Lecture, 2 hours Lab  
The student will develop and apply knowledge and skill in implementing and maintaining the components of organizational security. (Formerly CMPTR 236)  
Prerequisite: Co-enrollment in CIS 201.

CIS 237–Information System Security II  
Cr. 4 Wkly hrs: 3 hours Lecture, 2 hours Lab  
The student will develop and apply knowledge and skill in implementing and maintaining the components of organizational security. (Formerly CMPTR 237)  
Prerequisite: Co-enrollment in CIS 201.

CIS 238–Information System Security III  
Cr. 4 Wkly hrs: 3 hours Lecture, 2 hours Lab  
In this course students will explore current issues and advanced topics in network security and digital forensics. (Formerly CMPTR 238)  
Prerequisite: Co-enrollment in CIS 201.

CIS 240–Microsoft LAN Administration I  
Cr. 4 Wkly hrs: 3 hours Lecture, 2 hours Lab  
Introduces the student to Windows Server 2008 Active Directory Configuration, preparing the student for the MCP exam--Exam 70-640. (Formerly CMPTR 290)  
Prerequisite: Co-enrollment in CIS 201.
**Course Descriptions**

**CIS 242—Microsoft LAN Administration II**
Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab
Introduces the student to Windows Server 2008 Active Directory Configuration, preparing the student for the MCITP exam 70-662. (Formerly CMPTR 291)
Prerequisite: Co-enrollment in CIS 201.

**CIS 245—Microsoft LAN Administration III**
Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab
Learn to manage the three most common server-side applications: database, messaging and Web. Installation, configuration, base lining, performance testing and troubleshooting. (Formerly CMPTR 297)
Prerequisite: Co-enrollment in CIS 201.

**CIS 255—Web Development II**
Cr: 5 Wkly hrs: 5 hours Lecture
Students build upon the skills of Web Development I to introduce students to interactive Web sites with server side processing. (Formerly CMPTR 300)
Prerequisite: CIS 205 and CIS 255.

**CIS 256—Web Development III**
Cr: 5 Wkly hrs: 5 hours Lecture
Students integrate the skills of Web Development II to introduce students to interactive Web sites with server side processing, AJAX, and XML.
Prerequisite: CIS 205 and CIS 256.

**CIS 261—Operating Systems/Unix**
Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab
An introduction to the Unix/Linux operating system and Unix/Linux system administration. Prepares student for CompTIA Linux+ Part A exam. (Formerly CMPTR 261)
Prerequisite: CIS 111 and 141 with a grade of 2.0 or above or permission of instructor.

**CIS 262—Unix Administration**
Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab
A practice-based course to prepare students to administer UNIX-based systems in a secure, networked, client-server environment. Prepares student for CompTIA Linux+ Part B exam. (Formerly CMPTR 262)
Prerequisite: CIS 261 or permission of instructor.

**CIS 270—Cisco I**
Cr: 4 Wkly hrs: 4 hours Lecture
The student will be introduced to and understand the development in the design and installation of local area networks to ensure optimal throughput. (Formerly CMPTR 116)
Prerequisite: Co-enrollment in CIS 201.

**CIS 271—Cisco II**
Cr: 4 Wkly hrs: 4 hours Lecture
An introduction to Cisco basic router configuration for local area networks. (Formerly CMPTR 118)
Prerequisite: CIS 270 and concurrent enrollment in CIS 201.

**CIS 272—Cisco III**
Cr: 4 Wkly hrs: 4 hours Lecture
This course will enable the student to implement a switched network and a basic wireless network. (Formerly CMPTR 119)
Prerequisite: CIS 270 and concurrent enrollment in CIS 201.

**CIS 273—Cisco IV**
Cr: 4 Wkly hrs: 4 hours Lecture
This course will enable the student to configure Wide Area Networks (WAN) and IP Addressing Services on Cisco routers and incorporate network policies using ACLs. (Formerly CMPTR 216)
Prerequisite: CIS 271 and CIS 272 and concurrent enrollment in CIS 201.

**CIS 274—CCNA Security**
Cr: 4 Wkly hrs: 4 hours Lecture
This course will prepare students for successful achievement of the Cisco Certified Network Associate (CCNA) Security certification. (Formerly CMPTR 239)
Prerequisite: CIS 273 or permission of the instructor and concurrent enrollment in CIS 201.

**CIS 276—PC Technical Support Practical Skills**
Cr: 3 Wkly hrs: 2 hours Lecture, 2 hours Lab
Installation, configuration, upgrades, and maintenance of PCs, Windows OS and SOHO networks. Troubleshooting tools and security practices for PC, OS, and networks. Can be taken concurrently with CIS 176. Helps prepare students for the CompTIA A+ part 2 (220-702 Practical Application) certification exam. (Formerly CMPTR 177)
Prerequisite: Knowledge, skills and experience contained in the CIS 176 course can be taken concurrently.

**CIS 285—Object Oriented Programming with C++**
Cr: 5 Wkly hrs: 5 hours Lecture
Writing object oriented programs utilizing C++. Introduces concepts of data abstraction, data classes, and polymorphism. (Formerly CMPTR 285)
Prerequisite: CIS 142 or CIS 145 with a grade of 2.0 or above, or permission of instructor.

**CIS 288—CIS Practicum**
Cr: 1-3 Wkly hrs: 9 hours Clinic
A capstone course providing in-depth hands-on experience in one of the seven areas of computer information systems: networking, hardware, security, web, project management, database, or programming. May be repeated for a maximum of three credits. (Formerly CMPTR 296)
Prerequisite: Instructor permission.

**Computer Science**

**CS & 141—Computer Science I Java**
Cr: 5 Wkly hrs: 5 hours Lecture
NS - Problem solving methodology and basic programming abilities and concepts in JAVA.
Prerequisite: MATH & 141 with a grade of 2.0 or higher (MATH & 142 with a grade of 2.0 or higher is recommended).

**CS 143—Computer Science II Java**
Cr: 5 Wkly hrs: 5 hours Lecture
NS - Solving problems using object-oriented programming techniques and basic data structures; design and analysis of algorithms particularly in the context of searching and sorting.
Prerequisite: CS & 141.

**CS 170—Applications in Computer Science**
Cr: 1-5 Wkly hrs: 5 hours Lecture
NS - Application of concepts in introductory Computer Science.
Prerequisite: CS & 141 or permission of instructor.

**CS 210—Introduction to Discrete Mathematics**
Cr: 5 Wkly hrs: 5 hours Lecture
NS - Basic logic, number theory, sequences and series, induction. Counting: permutations, combinations, probability, and binomial theorem, graphs and trees. (Same as MATH 210)
Prerequisite: MATH & 142 or MATH & 144 with grade of 2.0 or better.

**Cooperative Apprenticeship**

**COAPP 101—Apprenticeship Program Review**
Cr: 3 Wkly hrs: 3 hours Lecture
An overview of apprenticeship program options, opportunities and requirements.

**COAPP 102—Trade Fundamentals**
Cr: 6 Wkly hrs: 6 hours Lecture
An overview and individual assessments of fundamental skills required to be eligible and considered for entry into apprenticeship programs.

**Cooperative Education**

**CO-OP 111—Cooperative Education Seminar I**
Cr: 2 Wkly hrs: 2 hours Lecture
Course introduces application of critical job skills to support success in co-op work experience.
Prerequisite: Concurrent enrollment with first quarter Co-op Work Experience. Call 360.475.7480 or email cooped@olympic.edu to arrange.

**CO-OP 120—Transition to Work**
Cr: 3 Wkly hrs: 2 hours Lecture, 3 hours Clinic
A work-based learning course that prepares students for employment.

**CO-OP 121—Cooperative Work Experience**
Cr: 1-13 Wkly hrs: 39 hours Clinic
Course can be offered as: CO-OP 121/122/123/124.
Contracted work experience coordinated with employer, faculty, and student to meet learning objectives specific to the work site and occupation/trade.
Prerequisite: CO-OP seminar concurrent with first quarter work experience.

*See course description for prerequisite.*
CO-OP 189A–Community Volunteer Service
Cr: 2 Wkly hrs: 6 hours Clinic
Course can be offered as: CO-OP 189A/189B/189C.
The Community Volunteer Service course utilizes Cooperative Education to enable students to experience volunteerism as a central component of life and career planning.

CO-OP 221–Cooperative Work Experience
Cr: 1-13 Wkly hrs: 39 hours Clinic
Course can be offered as: CO-OP 221/222/223/224 and 225/226/227/228.
Contracted work experience coordinated with employer, faculty and student to meet specific learning objectives for second year co-op students.
Prerequisite: Permission of cooperative education coordinator and current enrollment in CO-OP Seminar.

CO-OP 289A–Community Volunteer Service
Cr: 3 Wkly hrs: 9 hours Clinic
Course can be offered as: CO-OP 289A/289B/289C.
The Community Volunteer Service course utilizes Cooperative Education to enable students to experience volunteerism as a central component of life and career planning.

Course Descriptions

**Cosmetology**

**COS 101–Professional Career**
Cr: 2 Wkly hrs: 2 hours Lecture
Students are exposed to Washington State Cosmetology laws, rules and regulations, career opportunities, business skills, professional image, communication and the history of Cosmetology.
Prerequisite: BMGMT 140, ENGL 100 or ENGL& 101, OLRM 220.

**COS 102–Cosmetology General Sciences**
Cr: 2 Wkly hrs: 2 hours Lecture
Emphasis is placed on the skills and knowledge of the general sciences necessary for the field of cosmetology.
Prerequisite: BMGMT 140, ENGL 100 or ENGL& 101, OLRM 220.

**COS 103–Hair Care, Hairstyling & Haircutting**
Cr: 3 Wkly hrs: 3 hours Lecture
Technical principles of hair design and care of the hair and scalp. The foundations of the art of hairstyling to include arranging, styling, and creative design. Foundations of haircutting techniques to perform haircuts to meet industry standards.
Prerequisite: BMGMT 140, ENGL 100 or ENGL& 101, OLRM 220.

**COS 104–Chemical Texture Services**
Cr: 2 Wkly hrs: 2 hours Lecture
This course covers main concepts of chemical texture services to include perming, chemical relaxing and curl reformulation.
Prerequisite: BMGMT 140, ENGL 100 or ENGL& 101, OLRM 220.

**COS 105–Hair Color**
Cr: 2 Wkly hrs: 2 hours Lecture
Introduction to basic color theory and technique utilizing the law of color to artificially pigment the hair or remove color pigment.
Prerequisite: Completion of: COS 101, COS 102, COS 103, COS 104, COS 151.

**COS 114–Advanced Chemical Texture Services**
Cr: 2 Wkly hrs: 2 hours Lecture
Introduction to basic color theory and technique utilizing the law of color to artificially pigment the hair or remove color pigment.
Prerequisite: Completion of: COS 101, COS 102, COS 103, COS 104, COS 151.

**COS 115–Intermediate Hair Color**
Cr: 2 Wkly hrs: 2 hours Lecture
Building on basic hair color techniques to increase skill level of dimensional color and creative color placement and to introduce color correction.
Prerequisite: COS 105, COS 113, COS 114, COS 120, COS 152.

**COS 120–Cosmetology Skin Care**
Cr: 2 Wkly hrs: 2 hours Lecture
Principles of esthetics including skin diseases and disorders, analysis and care of the skin and temporary hair removal.
Prerequisite: Completion of: COS 101, COS 102, COS 103, COS 104, COS 151.

**COS 121–Facial Makeup**
Cr: 1 Wkly hrs: 1 hours Lecture
Basic makeup application techniques implementing cosmetic color theory concepts.
Prerequisite: COS 115, COS 123, COS 130, COS 135, COS 153.

**COS 123–Advanced Haircutting**
Cr: 2 Wkly hrs: 2 hours Lecture
Advanced haircutting techniques combining multiple haircutting elements to increase skill level in subject matter mastery.
Prerequisite: COS 105, COS 113, COS 114, COS 120, COS 152.

**COS 130–Nail Care**
Cr: 1 Wkly hrs: 1 hours Lecture
Fundamental principles of nail care to include structure, growth, diseases and disorders to safely perform basic manicure and pedicure services.
Prerequisite: COS 105, COS 113, COS 114, COS 120, COS 152.

**COS 135–Wigs, Braiding/Extensions**
Cr: 1 Wkly hrs: 1 hours Lecture
Braiding, artificial hair applications using proper safety and removal techniques, the fitting, styling and care of wigs.
Prerequisite: COS 105, COS 113, COS 114, COS 120, COS 152.

**COS 151–Cosmetology Lab Clinic I**
Cr: 12 Wkly hrs: 24 hours Lab
Students perform hands on practical experience using knowledge and skills achieved from related instruction.
Prerequisite: BMGMT 140, ENGL 100 or ENGL& 101, OLRM 220.

**COS 152–Cosmetology Lab Clinic II**
Cr: 13 Wkly hrs: 26 hours Lab
Students perform salon services with supervision, gaining hands on practical experience working in a training salon environment using knowledge and skills achieved from related instruction.
Prerequisite: Completion of: COS 101, COS 102, COS 103, COS 104, COS 151.

**COS 153–Cosmetology Lab Clinic III**
Cr: 13 Wkly hrs: 26 hours Lab
Students perform salon services with supervision, gaining hands on practical experience working in a training salon environment using knowledge and skills achieved from related instruction.
Prerequisite: COS 105, COS 113, COS 114, COS 120, COS 152.

**COS 154–Cosmetology Lab Clinic IV**
Cr: 13 Wkly hrs: 26 hours Lab
Students perform salon services with supervision, gaining hands on practical experience working in a training salon environment using knowledge and skills achieved from related instruction.
Prerequisite: COS 115, COS 123, COS 130, COS 135, COS 153.

**COS 155–Cosmetology Lab Clinic V**
Cr: 13 Wkly hrs: 26 hours Lab
Students perform salon services with supervision, gaining hands on practical experience working in a training salon environment using knowledge and skills achieved from related instruction.
Prerequisite: COS 121, COS 154, COS 225, COS 231.

**COS 160–Introduction to Esthetics**
Cr: 3 Wkly hrs: 3 hours Lecture
Students are exposed to Washington State Esthetic laws, rules and regulations, career opportunities, business skills, professional image, communication and the history of Esthetics.
Prerequisite: BMGMT 140, ENGL 100 or ENGL& 101, OLRM 220.

**COS 161–Esthetics General Sciences I**
Cr: 5 Wkly hrs: 5 hours Lecture
Emphasis is placed on the skills and knowledge of the general sciences necessary for the field of Esthetics.
Prerequisite: BMGMT 140, ENGL 100 or ENGL& 101, OLRM 220.

**COS 162–Esthetics General Sciences II**
Cr: 3 Wkly hrs: 3 hours Lecture
Instruction in the nature of electricity, electrotherapy, light therapy and their uses in Esthetics. Macro and micronutrients, vitamins and minerals and how nutrition relates to healthy skin.
Prerequisite: COS 160, COS 161, COS 171, COS 181.

**COS 171–Esthetics Skin Care I**
Cr: 5 Wkly hrs: 5 hours Lecture
Instruction in appearance and sanitary conditions of the treatment room, facial treatments, skin analysis, product selection and first aid.
Prerequisite: BMGMT 140, ENGL 100 or ENGL& 101, OLRM 220.

*COURSES NOTES: H=Humanities, H/SP=Humanities/Skills Performance
NS=Natural Science, SS=Social Science*
COS 172–Esthetics Skin Care II  
Cr: 5 Wkly hrs: 5 hours Lecture  
Instruction of facial massage, facial machines, clinic operations and hair removal.  
Prerequisite: COS 160, COS 161, COS 171, COS 181.

COS 173–Esthetics Skin Care III  
Cr: 6 Wkly hrs: 6 hours Lecture  
Instruction on advanced topics and treatments, clinic operations, make-up application and body treatments.  
Prerequisite: COS 162, COS 172, COS 182.

COS 180–Esthetics Business Practices  
Cr: 2 Wkly hrs: 2 hours Lecture  
Preparation for Washington State written and practical skills exam. Instruction on resume writing, up-selling services, product revenue and small business ownership.  
Student will demonstrate skill and proficiency prior to completion of the program.  
Prerequisite: COS 162, COS 172, COS 182.

COS 181–Esthetics Lab Clinic I  
Cr: 6 Wkly hrs: 12 hours Lab  
Students perform esthetic services with supervision, gaining hands on practical experience working in a training spa environment using knowledge and skills achieved from related instruction.  
Prerequisite: BMGMT 140, ENGL 100 or ENGL 101, OLRM 220.

COS 182–Esthetics Lab Clinic II  
Cr: 9 Wkly hrs: 18 hours Lab  
Students perform esthetic services with supervision, gaining hands on practical experience working in a training spa environment using knowledge and skills achieved from related instruction.  
Prerequisite: COS 160, COS 161, COS 171, COS 181.

COS 183–Esthetics Lab Clinic III  
Cr: 8 Wkly hrs: 16 hours Lab  
Students perform esthetic services with supervision, gaining hands on practical experience working in a training spa environment using knowledge and skills achieved from related instruction.  
Prerequisite: COS 162, COS 172, COS 182.

COS 200–Methods of Teaching & Learning  
Cr: 3 Wkly hrs: 3 hours Lecture  
This course for career education instructors covers teaching methods and classroom preparation to include: Qualities of the career education instructor, teaching plan and learning environment, teaching study and testing skills, basic learning styles and principles, methods of teaching and communicating confidently.  
Prerequisite: Instructor permission.

COS 201–Classroom Mgmt & Supervision  
Cr: 3 Wkly hrs: 3 hours Lecture  
This course for career education instructors covers effective presentations, effective classroom management and supervision and achieving learner results.  
Prerequisite: Instructor permission.

COS 202–Program Development & Lesson Planning  
Cr: 2 Wkly hrs: 2 hours Lecture  
This course for career education instructors covers program and curriculum development, lesson planning, educational aids and technology in the classroom, assessing progress and advising students.  
Prerequisite: Instructor permission.

COS 203–Basic Teaching Skills  
Cr: 3 Wkly hrs: 3 hours Lecture  
This course covers the student salon, performance goals, teamwork and record keeping requirements.  
Prerequisite: Instructor permission.

COS 204–Professional Development  
Cr: 3 Wkly hrs: 3 hours Lecture  
This course covers educator relationships, conditions for learning, integrating humor in the classroom and creativity in instruction, teaching success strategies for a successful career, teamwork, and evaluating professional performance.  
Prerequisite: Instructor permission.

COS 225–Advanced Hair Coloring  
Cr: 2 Wkly hrs: 2 hours Lecture  
Color correction and advanced hair color methods to expand skill level and ability to combine multiple hair color applications.  
Prerequisite: COS 115, COS 123, COS 130, COS 135, COS 153.

COS 231–Business Skills I  
Cr: 1 Wkly hrs: 1 hours Lecture  
Preparing for and seeking employment by creating a resume, cover letter and practicing interviewing skills to assist in obtaining a position in the field of cosmetology.  
Prerequisite: COS 115, COS 123, COS 130, COS 135, COS 153.

COS 232–Business Skills II  
Cr: 1 Wkly hrs: 1 hours Lecture  
Salon business and professionalism, business planning, marketing and retail.  
Prerequisite: Completion of: COS 121, COS 154, COS 225, COS 231.

COS 240–State Board Preparation  
Cr: 4 Wkly hrs: 4 hours Lecture  
Preparation for Washington State written and practical skills exam and review of basic, intermediate and advanced technical skills taught in previous quarters. Student will demonstrate skill and proficiency prior to completion of the program.  
Prerequisite: Completion of: COS 121, COS 154, COS 225, COS 231.

COS 251–Cadet Clinic Lab I  
Cr: 4 Wkly hrs: 8 hours Lab  
Student performs application of teaching methods while performing student teaching.  
Student will gain hands on practical experience working in a training salon/spa environment using knowledge and skills achieved from related instruction.  
Prerequisite: Instructor permission.

COS 252–Cadet Clinic Lab II  
Cr: 4 Wkly hrs: 8 hours Lab  
Student performs application of teaching methods while performing student teaching.  
Student will gain hands on practical experience working in a training salon/spa environment using knowledge and skills achieved from related instruction.  
Prerequisite: Instructor permission.

COS 253–Cadet Clinic Lab III  
Cr: 5 Wkly hrs: 10 hours Lab  
Student performs application of teaching methods while performing student teaching.  
Student will gain hands on practical experience working in a training salon/spa environment using knowledge and skills achieved from related instruction.  
Prerequisite: Instructor permission.

COS 254–Cadet Clinic Lab IV  
Cr: 5 Wkly hrs: 10 hours Lab  
Student performs application of teaching methods while performing student teaching.  
Student will gain hands on practical experience working in a training salon/spa environment using knowledge and skills achieved from related instruction.  
Prerequisite: Instructor permission.

Criminal Justice

CJ 100–Intro to Law Enforcement  
Cr: 5 Wkly hrs: 5 hours Lecture  
Survey of law enforcement including historical development, structure and function, goals and objectives of law enforcement agencies and critical issues.  
Prerequisite: Accuplacer placement in ENGL 101 strongly recommended.

CJB 101–Intro Criminal Justice  
Cr: 5 Wkly hrs: 5 hours Lecture  
Overview of the American system of criminal justice, crime prevention, police and law enforcement, legislation, courts and corrections.  
Prerequisite: Accuplacer placement in ENGL 101 strongly recommended.

CJB 105–Intro to Corrections  
Cr: 5 Wkly hrs: 5 hours Lecture  
SS - A study of the corrections process, history, and how correctional procedures and treatments affect inmates, correction officers, and society in general.  
Prerequisite: Accuplacer placement in ENGL 101 strongly recommended.

CJB 106–Juvenile Justice  
Cr: 5 Wkly hrs: 5 hours Lecture  
SS - The history and philosophy of society’s reaction to juvenile behavior and problems are covered.  
Prerequisite: Accuplacer placement in ENGL 101 strongly recommended.

CJB 110–Criminal Law  
Cr: 5 Wkly hrs: 5 hours Lecture  
Study of basic elements and philosophy of criminal law including the acts, mental state, and attendant circumstances that are the necessary elements of crime.
Culinary Arts

CULIN 101–Culinary Techniques
Cr: 8 Wkly hrs: 6 hours Lecture, 4 hours Lab
Working in the commercial kitchen: equipment, knife skills, and food product identification.
Prerequisite: Advisor signature and Food Handler's Permit.

CULIN 103–Food Production I
Cr: 7 Wkly hrs: 4 hours Lecture, 6 hours Lab
Prepare meats, seafood, poultry, soups, vegetables, starches and basic desserts for restaurant and commercial food service.
Prerequisite: Kitsap Food Workers Health Card/advisor signature.

CULIN 104–Dining Room Service
Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab
How to properly serve food to guests in a restaurant. For potential and actual waiters/ waitresses and also managers or supervisors who train the servers.
Prerequisite: Instructor signature.

CULIN 105–ServSafe® Food Safety Training
Cr: 2 Wkly hrs: 2 hours Lecture
The ServSafe® course provides accurate up-to-date information for all levels of employees on all aspects of handling food; from receiving and storing to preparing and serving.
Prerequisite: Instructor signature.

CULIN 121–Food Production II
Cr: 6 Wkly hrs: 2 hours Lecture, 8 hours Lab
Classic food preparation technique: sauces, soups, fabrication of poultry, seafood and meat.
Prerequisite: Cooks Helper Certificate.

CULIN 122–Garde Manger
Cr: 3 Wkly hrs: 1 hours Lecture, 4 hours Lab
Develop skills producing a variety of cold food products. Prepare items appropriate for buffet presentation including decorative pieces.
Prerequisite: Certificate/Prep Cook.

CULIN 123–International Cuisine
Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab
History of various countries' cuisine covering major food sources, cooking methods and influences on cuisine.
Prerequisite: Permission of instructor.

CULIN 125–Applied Food Service Computation
Cr: 2 Wkly hrs: 2 hours Lecture
Importance and relevance of math in the food service industry. Learn, understand and use math to meet goals of becoming a chef, baker, manager or other food service professional.

CULIN 126–Commercial Baking I
Cr: 3 Wkly hrs: 1 hours Lecture, 4 hours Lab
Applying fundamentals of baking science to the preparation of a variety of products.
Prerequisite: Certificate/Prep Cook.

CULIN 128–Baking Techniques I
Cr: 5 Wkly hrs: 2 hours Lecture, 6 hours Lab
Students will learn the basics of baking yeast-leavened breads, quick breads, pies, tart, cookies, cakes and Pate Choux. Topics will also include use and safety of baking tools and equipment.
Prerequisite: CULIN 128 with a passing grade of 2.0 or permission of instructor.

CULIN 129–Baking Techniques II
Cr: 5 Wkly hrs: 2 hours Lecture, 6 hours Lab
Students will learn to bake a variety of products, including: laminated doughs, meringues, creams, custards, puddings. Topics will also include use of mixes and other value added products, fillings and toppings for pastries and baked goods, and decorating and finishing techniques for cakes.
Prerequisite: CULIN 128 with a passing grade of 2.0 or permission of instructor.

CULIN 130–Baking Techniques III
Cr: 5 Wkly hrs: 2 hours Lecture, 6 hours Lab
In this advanced baking course, students will learn artful presentations of baked goods and desserts and nutritional aspects of baking. Topics will include: chocolate, ice creams, sorbets hot and cold souffles, marzipan, candies, pastillage and royal icing.
Prerequisite: CULIN 129 with a passing grade of 2.0 or permission of instructor.

CULIN 131–Food Production III
Cr: 7 Wkly hrs: 4 hours Lecture, 6 hours Lab
This course will cover creation of a menu from start to finish, breakfast to dinner.
Prerequisite: Permission of instructor.

CULIN 132–Quantity Food Purchasing
Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab
The operations of purchasing and receiving including invoicing, pricing, product costing, and inventories to promote fiscal controls.
Prerequisite: Permission of instructor.

CULIN 134–Nutrition for Culinary Professionals
Cr: 3 Wkly hrs: 3 hours Lecture
For students in the culinary program; this course is for those needing to use nutritional principles in menu and recipe planning.

CULIN 200–Food Production IV
Cr: 3 Wkly hrs: 1 hours Lecture, 4 hours Lab
Create menus, buffets, and specialty dishes for fine dining from preparation to order (including ala carte) and determine entire cost.
Prerequisite: Permission of instructor.

CULIN 210–Culinary Management
Cr: 3 Wkly hrs: 1 hours Lecture, 4 hours Lab
The chef as a supervisor, trainer, and as a manager in the day to day working of a food service operation.
Prerequisite: Permission of instructor.

CULIN 220–Culinary Internship
Cr: 6 Wkly hrs: 18 hours Clinic
This is an unpaid six week work experience related to the Culinary/Hospitality field of study.

CULIN 250–International Cuisine Experience
Cr: 9 Wkly hrs: 6 hours Lecture, 6 hours Lab
Travel and cultural immersion are employed to learn about local cuisines and cooking methods. Students visit restaurants and markets of a region.
Prerequisite: CULIN 140 or permission of the instructor.

Digital Media Arts

DMA 120–Beginning Flash
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
Students learn the various foundation aspects of Flash software, a powerful animation tool for the web, for creative and technical use.

DMA 136–Beginning Digital Photography
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
An introduction to basic digital photography, including historical background, equipment, shooting techniques, lighting, scanning, manipulation, and output (web or print).

DMA 137–Intermediate Digital Photography
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
Intermediate instruction and practice in digital photography, including background, equipment, shooting techniques, lighting, scanning, manipulation, and output (web or print).
Prerequisite: DMA 136 or permission of instructor.

DMA 220–Intermediate Photoshop
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
Students learn advanced creative aspects and skill sets of Photoshop, an image manipulation software tool.

DMA 230–Intermediate Flash
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
Students use action script to design and create interactive and dynamic digital media for the web, gaming and presentation applications.
Prerequisite: DMA 130 or permission of instructor.

Dramatic Arts

DRMA 101–Intro to Theatre
Cr: 5 Wkly hrs: 5 hours Lecture
H - An overview of theatre arts, including the nature of theatre, its role in society, activities of playwrights, directors, designers, and performers. Attendance at two outside performances is required.

DRMA 120–Theatre Production Workshop
Cr: 3 Wkly hrs: 1 hours Lecture, 4 hours Lab
Course can be offered as: DRMA 120/220. H/SP - Lecture and discussion on all aspects of theatre productions currently being prepared. May be repeated for up to nine credits for each course number.

DRMA 195–Independent Study-Voice Over/Actors
Cr: 1-5 Wkly hrs: 30 hours per credit Clinic
Allows the student to pursue topics not offered in the College Catalog through in-depth coursework under the direction of an instructor. This course may include directed readings, coverage of special topics, and other independent study. The topic and scope of study, learning objectives, work required, methods of evaluation, and academic level (195 versus 295) will be determined in conference between the student and instructor. May be repeated for a maximum of 15 credits.
Prerequisite: Instructor permission–Contact Tim Hagan at thagan@olympic.edu or 360.475.7315.

DRMA 201–Introduction to the Art of Film
Cr: 5 Wkly hrs: 5 hours Lecture
H - An introductory study of the narrative, visual and aural elements of film, including the cultural and social forces that create the variety of film styles. (Same as HUMAN 201)

*See course description for prerequisite.
**DRMA 210–Stagecraft**  
Cr: 4  
Wkly hrs: 3 hours Lecture, 2 hours Lab  
H - Basics of scenic planning, drafting, construction, rigging, and shifting techniques.

**DRMA 211–Costume Fundamentals**  
Cr: 4  
Wkly hrs: 3 hours Lecture, 2 hours Lab  
H - Theory and practice of costume and makeup design including script analysis, design process, and application of construction techniques.

**DRMA 212–Lighting Design I**  
Cr: 4  
Wkly hrs: 3 hours Lecture, 2 hours Lab  
H - Theory and practice of lighting design, including planning, handling and rigging lighting instruments, color theory, and special effects.

**DRMA 240–Acting for the Camera I**  
Cr: 5  
Wkly hrs: 5 hours Lecture  
H - An applied study of the camera actor's craft. Topics include feature film, daytime drama and television series performance styles.

**DRMA 241–Acting for the Camera II**  
Cr: 5  
Wkly hrs: 5 hours Lecture  
H - An intermediate applied study of the camera actor's craft. Topics include feature film, daytime drama and television series performance styles.  
Prerequisite: DRMA 240.

**DRMA 242–Acting for the Camera III**  
Cr: 5  
Wkly hrs: 5 hours Lecture  
H - An advanced applied study of the camera actor's craft. Topics include feature film, daytime drama and television series performance styles.  
Prerequisite: DRMA 241.

**DRMA 243–Acting for the Camera IV**  
Cr: 5  
Wkly hrs: 5 hours Lecture  
H - An advanced and professional applied study of the camera actor's craft. Topics include feature film, daytime drama and television series performance styles.  
Prerequisite: DRMA 242.

**DRMA 245–Screenwriting I**  
Cr: 5  
Wkly hrs: 5 hours Lecture  
H - Students use computerized tools to practice the art and craft of screenwriting at an intermediate level. Emphasis is placed on genre-specific story structure development and execution.  
Prerequisite: DRMA 245.

**DRMA 247–Screenwriting III**  
Cr: 5  
Wkly hrs: 5 hours Lecture  
H - Students use computerized tools to practice the art and craft of screenwriting at an advanced level. Emphasis is placed on genre-specific story structure development and execution.  
Prerequisite: DRMA 246.

**DRMA 248–Screenwriting IV**  
Cr: 5  
Wkly hrs: 5 hours Lecture  
H - Students use computerized tools to practice the art and craft of screenwriting at an advanced and professional level. Emphasis is placed on genre-specific story structure development and execution.  
Prerequisite: DRMA 247.

**DRMA 251–Beginning Acting**  
Cr: 5  
Wkly hrs: 5 hours Lecture  
H - An introduction to theory and practice of acting with emphasis on the development of fundamental processes of imagination, concentration, observation, and recall.  
Prerequisite: DRMA 251 or permission of instructor.

**DRMA 252–Intermediate Acting**  
Cr: 5  
Wkly hrs: 5 hours Lecture  
H - An in-depth study of theory and practice of acting, continued development of fundamentals and techniques of physical and psychological integration, communication with a partner, and script analysis.  
Prerequisite: DRMA 252 or permission of instructor.

**DRMA 253–Advanced Acting**  
Cr: 5  
Wkly hrs: 5 hours Lecture  
H - Advanced study of theory and practice with emphasis on communication with partner, extensive analysis of plays and detailed preparation of scenes from historical and contemporary theatre.  
Prerequisite: DRMA 252 or permission of instructor.

**DRMA 256–Theatre Speech**  
Cr: 3  
Wkly hrs: 3 hours Lecture  
H - Analysis and application of vocal production and articulation techniques.  
Prerequisite: DRMA 256.

**DRMA 260–Scenic Design**  
Cr: 4  
Wkly hrs: 3 hours Lecture, 2 hours Lab  
H - An introduction to the basics of scenic design, including working in colors and three dimensions, script analysis and working with a design team.  
Prerequisite: DRMA 260.

**DRMA 265–Stage Management**  
Cr: 4  
Wkly hrs: 3 hours Lecture, 2 hours Lab  
H - An introduction to Stage Management responsibilities and techniques, including working with directors, actors and design teams.  
Prerequisite: DRMA 265.

**DRMA 270–Intro to Filmmaking**  
Cr: 5  
Wkly hrs: 5 hours Lecture  
H - Introduces the fundamental techniques, technology, and specialized knowledge associated with feature film production including producing, directing, budgeting, distribution, marketing and film financing.  
Prerequisite: DRMA 270.

**DRMA 280–Film Directing**  
Cr: 5  
Wkly hrs: 5 hours Lecture  
H - Introduces the professional practices and techniques of feature film directing including pre-visualization, storyboarding, film language, staging, lighting, editing, camera angles and framing composition.  
Prerequisite: DRMA 280.

**DRMA 281–Film Directing II**  
Cr: 5  
Wkly hrs: 5 hours Lecture  
H - Practical application and intermediate techniques of feature film directing including pre-visualization, film language, staging, lighting, camera angles, framing composition and key frame methodology.  
Prerequisite: DRMA 281.

**DRMA 285–Digital Filmmaking I**  
Cr: 5  
Wkly hrs: 5 hours Lecture  
H - This hands-on introductory course focuses on single camera filmmaking production, digital cinematography, audio recording, postproduction editing and other production related skills. Emphasis is on the technical and artistic elements of digital filmmaking with a concentration on narrative storytelling.  
Prerequisite: DRMA 285.

**DRMA 286–Digital Filmmaking II**  
Cr: 5  
Wkly hrs: 5 hours Lecture  
H - This hands-on intermediate course focuses on single camera filmmaking production, digital cinematography, audio recording, postproduction editing and other production related skills. Emphasis is on the technical and artistic elements of digital filmmaking with a concentration on narrative storytelling.  
Prerequisite: DRMA 286.

**Early Childhood Education**

**ECE 120–Intro Childcare–Integrated**  
Cr: 2  
Wkly hrs: 2 hours Lecture  
Meets initial training requirements outlined by the Washington State Training and Registry System (STARS) while integrating basic skills. Topics include an overview of best practices related to child development, child guidance, health and safety.  
Prerequisite: Orientation/qualifying score on state standardized assessment.

**ECE 186–Survey of Centers**  
Cr: 2  
Wkly hrs: 4 hours Lab  
Provides the student with opportunity to read about and visit various programs. After exposure to different philosophies, student will be expected to develop their own.  
Prerequisite: Permission of instructor.

**ECE 250–Infant-Toddler Internship Seminar**  
Cr: 1  
Wkly hrs: 4 hours Lecture  
Discuss, plan, and evaluate the fundamentals of infant/toddler caregiving. Seminar, assignments, and discussions will be based on theories and methods in early childhood education from birth to age three best practices.  
Prerequisite: ECE 163 and ECE 170, or permission of instructor. Concurrent enrollment in ECE 251.

*See course description for prerequisite.*
**Course Descriptions**

**ECE 251--Infant-Toddler Internship**
Cr: 3  Wkly hrs: 6 hours Lab
Intermediate level of practical application in the working world of the theories and methods studied in the Early Childhood Education programs. Students will work in infant-toddler settings with children ages 0-3.
Prerequisite: ECE 163, ECE 170, or permission of instructor. Concurrent enrollment in ECE 250.

**ECE 263--Relationship Focused Care, Birth-3**
Cr: 3  Wkly hrs: 3 hours Lecture
Focus on infant/toddler social emotional development, attachment, nurturing relationships and appropriate environments. Provides background knowledge that results in optimal programming for this age group.
Prerequisite: ECE 163, ECE 170 or permission of instructor.

**ECED&100--Child Care Basics**
Cr: 3  Wkly hrs: 3 hours Lecture
Designed to meet licensing requirements for early learning lead teachers and family home child care providers, STARS 30 hour basics course recognized in the MERIT system. Topics: child growth and development, cultural competency, community resources, guidance, health/safety/nutrition and professional practice. (Formerly 2-credit ECE 100)

**ECED 101--Professionalism and Ethics in ECE**
Cr: 1  Wkly hrs: 1 hour Lecture
Examine personal philosophy, professional qualifications, ethical practices and the development of interpersonal skills necessary in the early learning workplace.

**ECED&105--Intro Early Child Ed**
Cr: 5  Wkly hrs: 5 hours Lecture
SS - Overview of the foundations of early childhood education. Examine theories defining the field, issues and trends, best practices, and program models. Observe children, professionals, and programs in action. (Formerly ECE 170)

**ECED&107--Health/Safety/Nutrition**
Cr: 5  Wkly hrs: 5 hours Lecture
Develop knowledge and skills to ensure good health, nutrition and safety of children in group care and education programs. Recognize the signs of abuse/neglect and reporting and available community resources. (Replaced 3-credit ECE 184)

**ECED&120--Practicum-Nurturing Rel**
Cr: 2  Wkly hrs: 1 hour Lecture, 2 hours Lab
Introductory level application of theories of best practice in an early learning setting. Focus on developing supportive relationships while keeping children healthy and safe. (Replaced 3-credit ECE 101)

**ECE 125--Child Advocacy (CASA Training)**
Cr: 3  Wkly hrs: 3 hours Lecture
The skills, knowledge, and attitudes needed to be a CASA/GAL (Court Appointed Special Advocates/Guardian ad Litem) volunteer - an advocate for children who are court-involved as a result of neglect or abuse. (Formerly ECE 125s) (Same as HS 125s)
Prerequisite: ENG&L 101 with a 2.0 or better.

**ECED&132--Infants/Toddlers Care**
Cr: 3  Wkly hrs: 3 hours Lecture
Examine the unique developmental needs of infants and toddlers. Study the role of the caregiver, relationships with families, developmentally appropriate practices, nurturing environments for infants and toddlers, and culturally relevant care. (Formerly ECE 163)

**ECED&134--Family Child Care**
Cr: 3  Wkly hrs: 3 hours Lecture
The basics of home/family child care program management. Topics include: licensing requirements; business management; relationship building; health, safety, & nutrition; guiding behavior and; promoting growth & development. (Formerly ECE 189)

**ECED&139--Admin Early Lrng Prog**
Cr: 3  Wkly hrs: 3 hours Lecture
Focuses on developing administrative skills required to develop, open, operate, manage, and assess early childhood education and care programs. Explore techniques and resources available for licensing and NAECY standard compliance. (Formerly ECE 191).

**ECED 151--Practicum II**
Cr: 5  Wkly hrs: 2 hours Lecture, 6 hours Lab
Intermediate level practical application in the working world of theories and methods studied in the Early Childhood program. (Formerly ECE 151/151A)
Prerequisite: ECED& 120, ECED& 160, and ECED& 190, or permission of instructor.

**ECED&160--Curriculum Development**
Cr: 5  Wkly hrs: 5 hours Lecture
Investigate learning theory, program planning, and tools for curriculum development promoting fine/gross motor, social-emotional, cognitive and creative skills and growth in young children. (Includes content formerly in 3-credit ECE 165).

**ECED 164--Mathematics for Early Childhood Ed**
Cr: 5  Wkly hrs: 5 hours Lecture
Math for early learning environments. Addresses how children learn and understand mathematical concepts including whole numbers, fractions, geometry, measurement, data analysis and problem solving. (Formerly ECE 164)
Prerequisite: MATH 090A with a grade of at least 2.0 or placement test score.

**ECED 166--Environmental Evaluation**
Cr: 1  Wkly hrs: 1 hours Lecture
Evaluating the early childhood environment using an industry standard tool (the ECERS) for quality learning, nurturing experiences, and optimize the development of young children. (Formerly ECE 167)

**ECED 172--Introduction to Montessori**
Cr: 3  Wkly hrs: 3 hours Lecture
This course provides an introduction to the Montessori method and philosophy, focusing on an analysis and application of Montessori principles of learning, teaching, sequence, use of didactic materials and classroom organization. (Formerly ECE 172)

**ECED 173--Art and Creative Activities**
Cr: 3  Wkly hrs: 3 hours Lecture
Children’s art and the development of the young child. Developmentally appropriate methods of planning and implementing creative activities in all areas of the ECE curriculum. (Formerly ECE 173)

**ECED 174--Multicultural Education**
Cr: 3  Wkly hrs: 3 hours Lecture
This course focuses on the need to recognize and understand the similarities and differences among people and develop a respect for all individuals and groups. Assist teachers to recognize the learning needs of children from different racial, ethnic, cultural and socioeconomic groups and to encourage teachers to integrate multicultural/diversity teaching into the early learning environment. (Formerly ECE 190)

**ECED 176--Music and Movement for Young Children**
Cr: 3  Wkly hrs: 3 hours Lecture
This course introduces teachers to the sequence of physical and motor development of young children as well as activities and equipment to promote optimum movement and physical education to the young child. In addition, musical concepts such as body rhythms, songs, sounds, instruments, records, and musical environments suitable for the early learning environment are introduced. (Formerly ECE 176 and 182)

**ECED 177--Science for Young Children**
Cr: 3  Wkly hrs: 3 hours Lecture
The role of science in the education and development of the young child, including an overview of cognitive characteristics, appropriate materials and activities. (Formerly ECE 177)

**ECED 175--Children’s Literature**
Cr: 3  Wkly hrs: 3 hours Lecture
History of, methods and criteria for evaluation and selection of children’s literature. Exploration of genres, authors, illustrators of literature for children ages birth through eight, including use throughout the curriculum. (Formerly ECE 178)

**ECED&180--Lan/Literacy Develop**
Cr: 3  Wkly hrs: 3 hours Lecture
Develop strategies for language acquisition and literacy skill development at each developmental stage through the four interrelated areas of speaking, listening, writing, and reading. (Formerly ECE 179).

**ECED 187--Special Topics--CDA Credential I**
Cr: 6  Wkly hrs: 12 hours Lab
The basics of physical, social, emotional, and intellectual development, and observing/ recording child behavior and growth necessary to obtain the Child Development Associate (CDA) Credential. (Formerly ECE 187)

*See course description for prerequisite.*
Course Descriptions

EDUC 188–Child Abuse and Neglect
Cr: 2 Wkly hrs: 2 hours Lecture
Course focuses on the research, theory and practice in child welfare; physical, emotional and sexual abuse and neglect causation; and prevention with emphasis on practices in Washington State. (Formerly ECE 188)

ECEDE190–Observation/Assessment
Cr: 3 Wkly hrs: 2 hours Lecture, 2 hours Lab
Collect and record observation and assessment data in order to plan for and support the child, the family, the group and the community. Practice reflection techniques, summarizing conclusions and communicating data.

Prerequisite: ECED 120, ECED 151, or permission of instructor.

ECEDE 201–Practicum III
Cr: 5 Wkly hrs: 1 hours Lecture, 12 hours Clinic
Students apply cumulative knowledge to practice skills with children and professional interactions with families and staff in a developmentally appropriate early childhood setting. (Formerly ECE 201)

Prerequisite: ECED 120, ECED 151, or permission of instructor.

ECEDE 215–ECE Professional Portfolio
Cr: 1 Wkly hrs: 1 hours Lecture
A seminar to develop an individual professional portfolio documenting essential areas of study in early childhood education and to plan short and long term professional improvement goals. (Formerly ECE 215)

ECEDE 225–Issues and Trends in ECE
Cr: 3 Wkly hrs: 3 hours Lecture
Current issues and trends impacting ECE field. National/international developments, concerns facing teachers, families, children and society today. (Formerly ECE 225)

ECEDE 287–Special Topics–CDA Credential II
Cr: 6 Wkly hrs: 12 hours Lab
The basics of program operation/management, professionalism, productive relationships with families, and safe/healthy environments necessary to obtain the Child Development Associate (CDA) Credential. (Formerly ECE 287)

EDUC&115–Child Development
Cr: 5 Wkly hrs: 5 hours Lecture
Build a functional understanding of the foundation of child development, prenatal to age eleven. Observe and document physical, social, emotional, and cognitive development of children, reflective of cross cultural and global perspectives.

EDUC&121–Child Development I: Birth to 8
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Provides an overview of typical developmental sequences for children from birth to age 8, the conditions impacting development and the history and theories of child development. (Formerly EDUC& 115)

EDUC&122–Child Development II: 8-Teen
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Survey of the development of children from middle childhood through adolescence. Includes social, emotional, physical, motor, intellectual, moral and language characteristics. Prerequisite: EDUC& 121.

EDUC&130–Guiding Behavior
Cr: 3 Wkly hrs: 3 hours Lecture
Examine the principles and theories promoting social competence in young children and creating safe learning environments. Develop skills promoting effective interactions, providing positive individual guidance, and enhancing group experiences. (Formerly ECE 185)

EDUC&136–School Age Care
Cr: 3 Wkly hrs: 3 hours Lecture
Develop skills to provide developmentally appropriate and culturally relevant activities and care, specifically: preparing the environment, implementing curriculum, building relationships, guiding academic/social skill development, and community outreach. (Formerly ECE 160)

Prerequisite: EDUC&115–Child Development

Educational Technology/K-12 Setting
Cr: 5 Wkly hrs: 5 hours Lecture
This course is designed to provide students a foundation of the instructional process, from planning, implementing, and evaluating instruction. Students will gain an understanding of the role of the learning process, best educational practices, the use of on-going assessment, and modifying instruction to meet the needs of all learners.

Exceptional Child
Cr: 3 Wkly hrs: 3 hours Lecture
Integrate the family and community in which a child develops. Explore cultures and demographics of families in society, community resources, strategies for including families in the education of their child, and tools for effective communication. (Formerly ECE 210)

Prerequisite: EDUC&120, EDUC&151, or permission of instructor.

Practicum
Cr: 1-5 Wkly hrs: 10 hours Lab
Course can be offered as: EDUC 199/299.
A practical application in the working world of the basic theories studied in the above program or discipline. Prerequisite: Instructor permission.

Intro to Education
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Introduction to the role of education in society, the sociological and psychological aspects; an orientation to the personal, academic, and professional requisites that contribute to success.

Culturally Responsive Classrooms
Cr: 5 Wkly hrs: 5 hours Lecture
SS - The course will enhance the students' understanding of the relationship between culture, society and education to create a culturally responsive classroom.

Economics

ECON 200–Essentials of Economics
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Overview of major micro/macro economic principles to include: supply and demand, opportunity cost, competition, monopoly, income determination, money creation and credit.

Micro Economics
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Supply and demand; cost and revenue analysis; pure competition; agriculture; monopoly; imperfect competition; antitrust policy; regulation; factor incomes; unions.

Prerequisite: MATH 109 or above with a grade of 2.0 or above and an Accuplacer Reading Comprehension test score of 84 or above or permission of instructor.

Macro Economics
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Fundamentals of a private-enterprise economy; national income; employment; inflation; growth; money; the monetary system; Keynesian Economics; Monetarist Economics; international trade.

Prerequisite: MATH 109 or above with a grade of 2.0 or above and an Accuplacer Reading Comprehension test score of 84 or above or permission of instructor.

Electronics

ELECT 101–Direct Current
Cr: 5 Wkly hrs: 5 hours Lecture
Fundamentals of direct current from Ohm's Law through network theorems. Prerequisite: MATH 094 or equivalent.

ELECT 102–Alternating Current
Cr: 5 Wkly hrs: 5 hours Lecture
Principles of inductance, capacitance, impedance, resonance, and filters. Prerequisite: ELECT 101 or equivalent.

EDUC 110–Reading Techniques for At-Risk Child
Cr: 5 Wkly hrs: 5 hours Lecture
The course is a good exploratory elective for people pursuing a para education degree, for future teachers, or for parents seeking to boost their child's reading skills. Provides an exposure to basic tutorial strategies for use in a K-8 school setting.

Prerequisite: Instructor permission.

Practicum
Cr: 1-5 Wkly hrs: 10 hours Lab
Course can be offered as: EDUC 199/299.
A practical application in the working world of the basic theories studied in the above program or discipline. Prerequisite: Instructor permission.

Intro to Education
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Introduction to the role of education in society, the sociological and psychological aspects; an orientation to the personal, academic, and professional requisites that contribute to success.

Culturally Responsive Classrooms
Cr: 5 Wkly hrs: 5 hours Lecture
SS - The course will enhance the students' understanding of the relationship between culture, society and education to create a culturally responsive classroom.

ECON 200–Essentials of Economics
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Overview of major micro/macro economic principles to include: supply and demand, opportunity cost, competition, monopoly, income determination, money creation and credit.

Micro Economics
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Supply and demand; cost and revenue analysis; pure competition; agriculture; monopoly; imperfect competition; antitrust policy; regulation; factor incomes; unions.

Prerequisite: MATH 109 or above with a grade of 2.0 or above and an Accuplacer Reading Comprehension test score of 84 or above or permission of instructor.

Macro Economics
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Fundamentals of a private-enterprise economy; national income; employment; inflation; growth; money; the monetary system; Keynesian Economics; Monetarist Economics; international trade.

Prerequisite: MATH 109 or above with a grade of 2.0 or above and an Accuplacer Reading Comprehension test score of 84 or above or permission of instructor.

Electronics

ELECT 101–Direct Current
Cr: 5 Wkly hrs: 5 hours Lecture
Fundamentals of direct current from Ohm's Law through network theorems. Prerequisite: MATH 094 or equivalent.

ELECT 102–Alternating Current
Cr: 5 Wkly hrs: 5 hours Lecture
Principles of inductance, capacitance, impedance, resonance, and filters. Prerequisite: ELECT 101 or equivalent.

ELECT 103–Introduction to Solid-State
Cr: 5 Wkly hrs: 5 hours Lecture
Introduction to the fundamentals of diode and bipolar transistor theory. Prerequisite: ELECT 102 or equivalent.
ELECT 106—Electronic Fabrication
Cr: 1 Wkly hrs: 2 hours Lab
Basic skill development through hands-on practice is emphasized covering such topics as soldering techniques and circuit board assembly.

ELECT 111—Direct Current Circuit Laboratory
Cr: 3 Wkly hrs: 6 hours Lab
Laboratory practice and experimentation in elementary circuitry using basic electronic instrumentation.
Prerequisite: Concurrent enrollment in ELECT 101.

ELECT 112—Alternating Current Circuit Lab
Cr: 3 Wkly hrs: 6 hours Lab
Practice in the application of AC concepts: Techniques in using electronic instruments, such as oscilloscopes, digital multimeters, frequency counters, and 2 meters.
Prerequisite: Concurrent enrollment in ELECT 102.

ELECT 113—Basic Solid-State Laboratory
Cr: 3 Wkly hrs: 6 hours Lab
Applications of diodes and transistors in electronic circuits.
Prerequisite: Concurrent enrollment in ELECT 103.

ELECT 160—Computer Applications I
Cr: 2 Wkly hrs: 2 hours Lecture
Practice in the application of typical data processing operations for solving direct current problems.
Prerequisite: Must be taken concurrently with ELECT 101.

ELECT 165—Introduction to Digital Logic
Cr: 4 Wkly hrs: 4 hours Lecture
Introduction to the theory, practices and application of digital electronics.
Prerequisite: ELECT 102.

ELECT 166—Introduction to Digital Logic Lab
Cr: 2 Wkly hrs: 4 hours Lab
Introduction to the theory, practices and application of digital electronics. Theoretical concepts and trouble-shooting techniques are demonstrated through lab experiments.
Prerequisite: Concurrent enrollment in ELECT 165.

ELECT 170—Computer Applications II
Cr: 2 Wkly hrs: 2 hours Lecture
Course helps familiarize the student with the use of personal computers, the school's computer labs, and using computers to solve electronic-related problems.
Prerequisite: Must be taken concurrently with ELECT 102.

ELECT 200—Basic Electronics Theory/Assessment
Cr: 2 Wkly hrs: 2 hours Lecture
This course reviews fundamental theory associated with the first year electronics program and assesses students' preparation for advanced instruction.
Prerequisite: Permission of instructor.

ELECT 201—Solid-State Devices
Cr: 5 Wkly hrs: 5 hours Lecture
Continuation of solid-state theory, use of approximation techniques in circuit analysis, development of parameters, evaluation of circuit potentials and applications.
Prerequisite: Concurrent enrollment in ELECT 211.

ELECT 202—Advanced Solid-State Devices
Cr: 5 Wkly hrs: 5 hours Lecture
Continuation of analysis in using equivalent circuit concepts. Various types of solid-state components and introduction to analog integrated circuits.
Prerequisite: ELECT 201 and concurrent enrollment in ELECT 212.

ELECT 203—Special Circuits
Cr: 5 Wkly hrs: 5 hours Lecture
Solid-state devices/integrated circuits in industry: active filters, phase-locked loops, SCRs, Triacs, and other power control semiconductors.
Prerequisite: ELECT 202 and concurrent enrollment in ELECT 213.

ELECT 211—Solid-State Laboratory
Cr: 3 Wkly hrs: 6 hours Lab
Laboratory practice in the construction, analysis, and trouble shooting of bipolar transition circuits.
Prerequisite: Completion of first-year core program or equivalent.

ELECT 212—Advanced Solid-State Circuit Lab
Cr: 3 Wkly hrs: 6 hours Lab
Development of and experimentation with transistor amplifiers and analog integrated circuits.
Prerequisite: ELECT 201, 211.

ELECT 213—Special Circuits Laboratory
Cr: 3 Wkly hrs: 6 hours Lab
Laboratory practice in analysis and troubleshooting of active filters, phase locked loops, and solid-state power control circuits.
Prerequisite: Concurrent enrollment in ELECT 203.

ELECT 225—Advanced Digital Circuits
Cr: 5 Wkly hrs: 5 hours Lecture
A continuation of basic digital circuits, with emphasis on counters, decoders, and registers. Course also includes an introduction to microprocessors.
Prerequisite: ELECT 165 or equivalent.

ELECT 227—Microcomputers
Cr: 3 Wkly hrs: 3 hours Lecture
Digital circuit types used in industry for machine control such as microprocessors and microcomputers.
Prerequisite: ELECT 165, 225 or equivalent.

ELECT 228—Advanced Microprocessors
Cr: 3 Wkly hrs: 3 hours Lecture
Theory and applications of interface systems used in the control of microprocessors.
Prerequisite: ELECT 225 or equivalent.

ELECT 235—Advanced Digital Circuits Laboratory
Cr: 2 Wkly hrs: 4 hours Lab
A continuation of the basic digital circuits laboratory, with an emphasis on counters, decoders, registers, and an introduction to microcomputers.
Prerequisite: Concurrent enrollment in ELECT 225.

ELECT 237—Microcomputer Laboratory
Cr: 2 Wkly hrs: 4 hours Lab
Introduction to the use of machine/assembly language programming to control microprocessors for problem solving or A/D and D/A interfacing.
Prerequisite: Concurrent enrollment in ELECT 227.

ELECT 238—Advanced Microprocessor Lab
Cr: 2 Wkly hrs: 4 hours Lab
This class gives hands-on experience constructing, testing and evaluating a microprocessor control project.
Prerequisite: ELECT 225 or equivalent. Concurrent enrollment in ELECT 228.

**Engineering**

ENGR 100—Introduction to Engineering
Cr: 1 Wkly hrs: 1 hours Lecture
Introduction to fields and careers of engineering. How does one become an engineer? All engineering majors should take ENGR 100 early in the curriculum. (Pass/No Credit)

ENGR&104—Intro to Design
Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab
SS - Revolutionary technologies and how they have shaped the world. Introduction to design and communication principles through engineering project approach.

ENGR 111—Engineering Problems
Cr: 3 Wkly hrs: 3 hours Lecture
Introduces students to engineering problem solving techniques, including using calculators and computers. Students will be introduced to MATLAB as a problem solving tool.
Prerequisite: MATH& 142 or MATH& 143 with 2.0 or better or co-enrollment in MATH& 142 with instructor permission.

ENGR&114—Engineering Graphics
Cr: 5 Wkly hrs: 5 hours Lecture
Usage of graphics (sketching and parametric modeling software) in engineering design. Up to two team design projects.

ENGR&204—Electrical Circuits
Cr: 6 Wkly hrs: 5 hours Lecture, 2 hours Lab
Introduction to electrical engineering. Basic circuit and systems concepts. Solution of first and second order linear differential equations associated with basic circuit forms. Laboratory activities illustrate principles explored in lecture. (Offered Summer Quarter only.)
Prerequisite: MATH 221 and PHYS 225, both with 2.0 grade or higher.
ENGR214–Statistics 
Cr: 5 Wkly hrs: 5 hours Lecture 
A study of the forces and loads acting on objects at rest using vector applications. (Offered Spring Quarter only.)

Prerequisite: ENGR 111 and MATH& 152 (each with a grade of 2.0 or higher) or ENGR 111 (grade of 2.0 or higher) and co-enrollment in MATH& 152 with instructor permission.

ENGR215–Dynamics 
Cr: 5 Wkly hrs: 5 hours Lecture 
Studies of motion using vector calculus, central force motion, Newtonian mechanics, energy, and impulse momentum methods. (Offered Spring Quarter only.)

Prerequisite: ENGR 214 and MATH 221 with a grade of 2.0 or higher or ENGR 214 with a grade of 2.0 or higher and co-enrollment in MATH 221.

ENGR 216–CAD Applications for Engineering Design 
Cr: 3 Wkly hrs: 6 hours Lab 
Advanced CAD applications for engineering design; surfaces, sheet metal, weldments, molds, multibody parts, advanced assembly modeling, CAD FEA, CFD, motion studies and CAD documentation.

Prerequisite: ENGR 114 and ENGR 225 each with a grade of 2.0 or above or instructor permission.

ENGR224–Thermodynamics 
Cr: 5 Wkly hrs: 5 hours Lecture 
Introduction to energy conservation topics with application to engineering design; including energy transformation and maximum efficiency.

Prerequisite: MATH 163 and PHYS 254 both with 2.0 grade or higher or MATH 163 with 2.0 grade and co-enrollment in PHYS 254 with instructor permission.

ENGR225–Mechanics of Materials 
Cr: 5 Wkly hrs: 5 hours Lecture 
Introduces the concepts of stress, deformation, and strain in solid materials; design implications are explored.

Prerequisite: ENGR 214 with a grade of 2.0 or higher.

ENGR 240–Applied Numerical Methods for Engr 
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab 
NS - Numerical solutions to engineering problems using MATLAB programming. Application of mathematical judgment in selecting computational algorithms and communicating results.

Prerequisite: MATH 163 with 2.0 grade or higher required. Co-enrollment in MATH 250 desired. CIS 131 recommended.

ENGR 270–Fundamentals of Materials Science 
Cr: 4 Wkly hrs: 4 hours Lecture 
Elementary principles underlying the structure and properties of materials used in engineering practice. Relation of microstructure to physical properties. (Formerly ENGR 170)

Prerequisite: CHEM 141 with a grade of 2.0 or higher AND ENGR 225 with a grade of 2.0 or higher AND co-enrollment in ENGR 271.

ENGR 271–Materials Sciences Laboratory 
Cr: 2 Wkly hrs: 4 hours Lab 
Laboratory experience in various testing and experimental stress analysis methods, engineering data analysis and report writing. (Formerly ENGR 171)

Prerequisite: ENGR & 225 with 2.0 or higher and co-enrollment in ENGR 270.

English

ENGL 091–Reading & Writing in Life & College 
Cr: 5 Wkly hrs: 2 hours Lecture, 6 hours Lab 
Course can be offered as: ENGL 091/092. This intro course helps students develop strategies for reading, writing, reflection, and problem solving. Assignments focus on individual and group processes for personal/academic writing.

Prerequisite: Assessment test score or instructor permission.

ENGL 093–Developing Skills in English 
Cr: 5 Wkly hrs: 5 hours Lecture 
An introduction to discourse within the business community, focusing on appropriate usage and on effective reading, writing, editing, and speaking skills.

Prerequisite: Acceptance into non-certificate or non-degree program.

ENGL 098–Reading/Writing for Academic Success 
Cr: 5 Wkly hrs: 2 hours Lecture, 6 hours Lab 
This course develops students' critical strategies for reading, writing, problem solving, and handling academic life. Reading/writing assignments focus on personal academic/career interests.

Prerequisite: Assessment test score, 2.0 in ENGL 091/092 or instructor permission.

ENGL 099–Reading/Writing Academic Disciplines 
Cr: 5 Wkly hrs: 5 hours Lecture 
This course develops students' critical strategies for reading, writing, problem solving, and handling academic life. Reading/writing assignments focus on academic topics.

Prerequisite: Assessment test score, or completion of ENGL 098 with a grade of 2.0 or better, or completion of ENGL 091/092 with a grade of 2.0 or better, or permission of instructor.

ENGL 100–Composition–Selected Prof/Tech/Voc 
Cr: 5 Wkly hrs: 5 hours Lecture 
English composition focusing on critical reading and thinking, and work-related writing assignments.

Prerequisite: Appropriate placement score, ENGL 093 or higher with a grade of 2.0 or better, or instructor permission.

ENGL101–English Composition I 
Cr: 5 Wkly hrs: 5 hours Lecture 
A college-level introduction to effective written composition for academic, vocational, and occupational students, with emphasis on exposition.

Prerequisite: Appropriate placement test score; or completion of ENGL 098 with a grade of 3.0 or better; or completion of ENGL 099 with a grade of 2.0 or better; or completion of all three courses in IE 094 with grades of 3.0 or better; or completion of all three courses in IE 100 with grades of 2.0 or better; or permission of instructor.
Course Descriptions

ENGL 200–Major Authors and Works
Cr: 5 Wkly hrs: 5 hours Lecture
H - An in-depth study of a single author’s works or of selected works by two or more authors, related by theme, time period, or cultural milieu. This course may be repeated for up to 15 credits.

ENGL 262–Asian American Literature
Cr: 5 Wkly hrs: 5 hours Lecture
H - A survey of literary works by Asian-American authors, from the late nineteenth century to the present.

ENGL 264–Native American Literature
Cr: 5 Wkly hrs: 5 hours Lecture
H - A survey of a wide spectrum of Native American verbal art, from traditional narratives and song to contemporary poetry, fiction, and film. Emphasis on cultural contexts and continuity.

ENGL 270–Creative Writing–Narration
Cr: 5 Wkly hrs: 5 hours Lecture
H - Development of a historical and autobiographical context. Students and instructor read and critique materials in a workshop setting.

ENGL 271–Creative Writing–Family History/Bio
Cr: 5 Wkly hrs: 5 hours Lecture
H - Writing out episodes or complete works of family history or biography. Students and instructor read and critique materials in a workshop setting.

ENGL 272–Creative Writing–Poetry
Cr: 5 Wkly hrs: 5 hours Lecture
H - Writing poems, constructing ballads and other appropriate forms, including free form or spontaneous free form subject matter. Students and instructor read and critique materials in a workshop setting.

ENGL 273–Creative Writing–Drama
Cr: 5 Wkly hrs: 5 hours Lecture
H - Invention and development of dramatic material: Dialogue, action, stage location, and music. Students and instructor read and critique materials in a workshop setting.

ENGL 274–Creative Writing–Short Story
Cr: 5 Wkly hrs: 5 hours Lecture
H - Development of short fictional narratives. Students and instructor read and critique materials in a workshop setting.

ENGL 275–Creative Writing–Long Narrative
Cr: 5 Wkly hrs: 5 hours Lecture
H - The development of a long fictional narrative. Students and instructor read and critique materials in a workshop setting.

ENGL 276–Creative Writing–Advanced Poetry
Cr: 5 Wkly hrs: 5 hours Lecture
H - Further experience in writing poetry. Students and instructor read and critique materials in a workshop setting.
Prerequisite: ENGL 272.

ENGL 279–Shakespeare’s Plays & English History
Cr: 5 Wkly hrs: 5 hours Lecture
H - After reading historical sources about English history, students will enjoy the art of Shakespeare’s History plays and investigate his creative interpretation of the historical process.

ENGL 283–Asian Literature
Cr: 5 Wkly hrs: 5 hours Lecture
H - Representative selections from modern Chinese, Japanese, and Indian literature in translation.

ENGL 284–Survey of World Lit–20th Century
Cr: 5 Wkly hrs: 5 hours Lecture
H - A survey of 20th Century literature from many countries. Covers literary genre, critical methodologies, and research. (Same as HUMAN 284)

ENGL 286–Women Authors
Cr: 5 Wkly hrs: 5 hours Lecture
H - A study of the distinctive contributions of women to literature.

ENGL 301–Writing in the Disciplines
Cr: 5 Wkly hrs: 5 hours Lecture
Theory and practice of writing in various academic disciplines.

ENGL 328–British Literature - Advanced
Cr: 1-5 Wkly hrs: 5 hours Lecture
H - A study of Colonialism and Post-Colonialism in British Literature. Not a continuation of ENGL 228. Students may receive credit for ENGL 228 or ENGL 328, but not both.
Prerequisite: ENGL 101 or the equivalent with a 2.0 or better.

ENGL 264–Native American Literature
Cr: 5 Wkly hrs: 5 hours Lecture
H - A survey of literary works by Native American authors, from the late nineteenth century to the present.

ENGL 276–Creative Writing–Advanced Poetry
Cr: 5 Wkly hrs: 5 hours Lecture
H - Further experience in writing poetry. Students and instructor read and critique materials in a workshop setting.

ENGL 279–Shakespeare’s Plays & English History
Cr: 5 Wkly hrs: 5 hours Lecture
H - After reading historical sources about English history, students will enjoy the art of Shakespeare’s History plays and investigate his creative interpretation of the historical process.

ENGL 283–Asian Literature
Cr: 5 Wkly hrs: 5 hours Lecture
H - Representative selections from modern Chinese, Japanese, and Indian literature in translation.

ENGL 284–Survey of World Lit–20th Century
Cr: 5 Wkly hrs: 5 hours Lecture
H - A survey of 20th Century literature from many countries. Covers literary genre, critical methodologies, and research. (Same as HUMAN 284)

ENGL 286–Women Authors
Cr: 5 Wkly hrs: 5 hours Lecture
H - A study of the distinctive contributions of women to literature.

ENGL 301–Writing in the Disciplines
Cr: 5 Wkly hrs: 5 hours Lecture
Theory and practice of writing in various academic disciplines.

ENGL 328–British Literature - Advanced
Cr: 1-5 Wkly hrs: 5 hours Lecture
H - A study of Colonialism and Post-Colonialism in British Literature. Not a continuation of ENGL 228. Students may receive credit for ENGL 228 or ENGL 328, but not both.
Prerequisite: ENGL 101 or the equivalent with a 2.0 or better.

French

FRCH&121–French I
Cr: 5 Wkly hrs: 5 hours Lecture
H - Deals with principles of pronunciation and with elementary vocabulary and grammar structures for immediate basic communication. Explores geographical and cultural aspects of French speaking countries.
Prerequisite: FRCH &121 or equivalent.

FRCH&123–French III
Cr: 5 Wkly hrs: 5 hours Lecture
H - Deals with practical vocabulary and broader grammar patterns for communication in a daily, urban context. Explores geographical and cultural aspects of French speaking countries and peoples.
Prerequisite: FRCH &122 or equivalent.

General Studies

GEN-S 101–Orientation to College
Cr: 1 Wkly hrs: 1 hours Lecture
Students develop an understanding of what it means to be a college student, how to identify, locate and utilize student support services, develop strategies to transition to college, understand the importance of diversity in the immediate learning environment and explore technology tools and resources.

GEN-S 102–Math Study Skills
Cr: 2 Wkly hrs: 2 hours Lecture
Covers math discomfort, note-taking, homework, textbook study, learning styles, test preparation, language of mathematics and problem solving.
Prerequisite: Concurrent enrollment in a mathematics course recommended.

GEN-S 120–Leadership in Society
Cr: 2 Wkly hrs: 2 hours Lecture
Students develop an understanding of the purpose of leadership, their unique leadership style, and how to apply leadership concepts and styles in a variety of contexts.

GEN-S 121–Success for Student Cohorts
Cr: 2 Wkly hrs: 2 hours Lecture
Intensive seminar to help prepare student cohorts for success at Olympic College and beyond, including identifying expectations in higher education, improving academic skills and self-awareness, and defining educational and career goals.

GEN-S 130–Dependable Strengths Process
Cr: 2 Wkly hrs: 2 hours Lecture
Use a writing and dialog process to assess and problem solve.
Prerequisite: ENGL 264.

GEN-S 131–Student Success Skills
Cr: 3 Wkly hrs: 3 hours Lecture
Support in the learning and application of self-assessment and study skills for students new to higher education.

*See course description for prerequisite.
GEN-S 140–Career Planning/Life Exploration
Cr: 1 Wkly hrs: 1 hours Lecture
Identify interests and values in relationship to the world of work. Establish or change career goals and learn skills for ongoing career and life planning.

GEN-S 150–4-Year College Transfer Preparation
Cr: 1 Wkly hrs: 1 hours Lecture
Identify the steps for transferring to a 4-year college including admissions requirements, majors, and program prerequisites. Career exploration and navigating Olympic College’s degrees and graduation requirements will also be addressed.

GEN-S 160–Vet & Military Transition to College
Cr: 2 Wkly hrs: 2 hours Lecture
A study of the challenges veterans and military members face transitioning from military or work to higher education and strategies to assist them.

GEN-S 163–Psychology of Self-esteem
Cr: 1 Wkly hrs: 1 hours Lecture
An examination of the sources of self-esteem and multicultural factors that affect self-esteem.

GEN-S 211–Research Skills in History
Cr: 2 Wkly hrs: 2 hours Lecture
An introduction to information literacy/research skills employed in the humanities disciplines with an emphasis on history. This is one of three courses in an integrated learning community.

Geography

GEOG&100–Introduction to Geography
Cr: 5 Wkly hrs: 5 hours Lecture
NS/SS - Survey of Geography including cartography and remote sensing, physical geography, human geography, regional geography and human impact on Earth. (Formerly GEOG 101)

GEOG 150–Physical Geography with Lab
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
NS - Basic physical elements of the environment and their regional and global distribution. Topics include seasons, weather, climate, landscape formation, distribution of plants and animals. Includes laboratory and field exercises. (Formerly GEOG 102)

GEOG&200–Human Geography
Cr: 5 Wkly hrs: 5 hours Lecture
H/SS - Cultural human geography focusing on geographical concepts, population, migration, folk and popular culture, language, religion, ethnicity, political geography and resource issues. (Formerly GEOG 103)

GEOG&207–Economic Geography
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Economic geography is concerned with the distribution of economic activity, the use of the world’s resources, and the spatial organization and expansion of the world economy. (Formerly GEOG 207)

GEOG&250–Geography of the Pacific Northwest
Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab
SS - A lecture/field course introducing the physical, economic and cultural geography of the Pacific Northwest. This is one of three courses in a modified, coordinated studies program. (Formerly GEOG 120)
Prerequisite: ENGL 099 or equivalent.

GEOG 260–Earth from Space
Cr: 5 Wkly hrs: 5 hours Lecture
NS - A study of Earth remote sensing: history; instruments; satellites; and data uses including agriculture, forestry, disaster management, geology, archaeology, oceanography and ice. (Formerly GEOG 250)

Geology

GEOL&100–Survey of Earth Science
Cr: 5 Wkly hrs: 5 hours Lecture
NS - The interplay of the solid Earth, the atmosphere, and the hydrosphere. Global climate change, ozone depletion, and loss of biodiversity are major focal points.
Prerequisite: MATH& 107 or equivalent.

GEOL 101–Intro Physical Geography
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
NS - An introduction to Earth’s materials, processes, and landscapes and how they were formed; labs parallel lecture content. Optional field trips.

GEOL 103–Historical Geology
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
NS - Topics are geologic history of earth since its formation, plate tectonic theory, organic evolution as interpreted in the fossil record, and the geologic time scale.

GEOL&110–Environmental Geology
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
NS - Geologic resources and processes important to human welfare: Volcanoes, earthquakes, slope stability, rivers and flood management, groundwater, soils, mineral and energy resources.

GEOL 155–Geologic Hazards
Cr: 5 Wkly hrs: 5 hours Lecture
NS - This course investigates a number of geologic hazards such as earthquakes, tsunami, volcanism, floods, landslides, and coastal hazards. Historic examples are used as case studies.

GEOL&208–Geology of Pacific NW
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
NS - Understand the geologic origins of the rocks and landscapes in Washington and neighboring parts of the Pacific Northwest.

German

GERM&121–German I
Cr: 5 Wkly hrs: 5 hours Lecture
H - Deals with principles of pronunciation with elementary vocabulary and grammar structures for immediate basic communication. Explores geographical and cultural aspects of German speaking countries.

GERM&122–German II
Cr: 5 Wkly hrs: 5 hours Lecture
H - Deals with practical vocabulary and broader grammar patterns of communication in a daily context. Explores geographical and cultural aspects of German-speaking countries.
Prerequisite: GERM& 121 or equivalent.

GERM&123–German III
Cr: 5 Wkly hrs: 5 hours Lecture
H - Deals with upper basic vocabulary and grammar structures for conversational purposes. Explores linguistic, geographical, and cultural aspects and differences of the German speaking countries.
Prerequisite: GERM& 122 or equivalent.

Health Education

HED 108–Human Anatomy
Cr: 5 Wkly hrs: 5 hours Lecture
Students study the structure of the human body systems: Integumentary, special senses, skeletal, muscular, respiratory, hemopoietic, cardiovascular, lymphatic, digestive, urinary, reproductive, endocrine and nervous systems.
Prerequisite: Permission of instructor or acceptance into a health care program.

HED 121–Cultural Diversity in Health Care
Cr: 1 Wkly hrs: 1 hours Lecture
This course provides a foundation for applications of cultural concepts in the health care setting. Considerations are given to the impact of biopsychosocial, ethical, legal, spiritual and cultural influences on the need to promote, maintain and restore health of the client/family unit.
Prerequisite: Permission of instructor or concurrent enrollment in a health care program.

HED 125–Medical Terminology
Cr: 5 Wkly hrs: 5 hours Lecture
This course introduces the roots, prefixes and suffixes comprising the structure of medical terms associated with all body systems with emphasis on medical eponyms, abbreviations and the correct spelling of all terms.
Prerequisite: Permission of instructor or acceptance into a health care program.

Health Occupations

H-OCC 110–Intro to Nursing Assistant
Cr: 2 Wkly hrs: 2 hours Lecture
Role of the nursing assistant, Basic Life Support, HIV/AIDS.

H-OCC 112–Tools for Success
Cr: 2 Wkly hrs: 2 hours Lecture
Interpersonal and intrapersonal tools for success in the workplace.
Prerequisite: 2.3 or better grade in H-OCC 110.

H-OCC 114–Fundamentals of Nsg Assist
Cr: 3 Wkly hrs: 3 hours Lecture
Basic nursing assistant classroom content as required by federal and state laws.
Prerequisite: 2.3 or better grade in H-OCC 112.

H-OCC 116–Basic Technical Skills
Cr: 2 Wkly hrs: 4 hours Lab
Theory and practice of the 24 skills that will be tested in the certification exam.
Prerequisite: 2.3 or better grade in H-OCC 114.

See course description for prerequisite.
H- OCC 118–Nursing Assistant Practicum
Cr: 4 Wkly hrs: 8 hours Lab
Demonstrate, in the clinical setting, knowledge, understanding, and application of theyskills learned in H-OCC 110, 112, 114, and 116.
Prerequisite: 2.3 or better grade in H-OCC 116, 75% or better grade in H-OCC 116 final exam. Pass a DSHS criminal background check (RCW43.43.830-845) and complete all required documentation.

History

HIST 110–Modern Asia
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Survey of common heritage and historical events that crafted Asia: events since 1800 from different perspectives, major societies in the region, interactions among societies and with larger world.

HIST&amp;116–Western Civilization I
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Introduction to development of Western Civilization from its earliest beginnings up to 1300 AD examining the major political, economic, religious, and social trends.

HIST&amp;117–Western Civilization II
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Introductory course in development of Western Civilization from 1300-1815 AD analyzing major political, religious, economic, and social trends.

HIST&amp;118–Western Civilization III
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Introductory course in development of Western Civilization from 1815, analyzing the major political, religious, economic, and social trends of this era.

HIST&amp;136–US History 1
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Survey of the political, social, economic, and intellectual forces involved in the foundation and development of the U.S. from pre-Columbian America through the Civil War.
Prerequisite: ENGL&amp; 101 with a grade of 2.0 or above.

HIST&amp;137–US History 2
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Survey of the political, social, economic, and intellectual forces involved in the development of the United States from Reconstruction to the present.
Prerequisite: ENGL&amp; 101 with a grade of 2.0 or above.

HIST&amp;214–Pacific NW History
Cr: 5 Wkly hrs: 5 hours Lecture
SS - The Pacific Northwest, from earliest times to the present, with emphasis upon political, economic, social, and cultural developments.

HIST&amp;215–Women in US History
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Explores the social, political and economic roles of women, pre-contact to the present. Comparative approach illustrates the variety of experiences among women of diverse races, social and economic classes, and ethnic groups.

HIST&amp;219–Native American History
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Explores the general history of Indian life since 1600, U.S. Indian policy from 1789 to present, and the nature and effects of Native American and Euro-American contact and conflict.
Prerequisite: Completion of ENGL&amp; 101 with a grade of 2.0 or above is strongly recommended.

HIST 230–Films in American Culture
Cr: 5 Wkly hrs: 5 hours Lecture
H/SS - The history and culture of America as seen in 20th Century American film.

HIST 253–World War I in History and Literature
Cr: 5 Wkly hrs: 5 hours Lecture
SS - An interdisciplinary study of World War I, including a historical view of the causes, nature, and outcome of the war, and a literary/cultural view of the impact of The Great War. (Same as HUMAN 253)

HIST 257–History of World War Two
Cr: 5 Wkly hrs: 5 hours Lecture
SS - A history of the Second World War covering the political, economic, and racial issues leading up to the war. The coming of war and its course in both Europe and Asia will be covered. The winning and losing of the war; the Holocaust; the atomic bomb; and finally the war crimes trials and the world that followed.

Homeland Security

Emergency Management

HSEM 102–Introduction to Emergency Management
Cr: 5 Wkly hrs: 5 hours Lecture
Provides groundwork on which emergency services can build a strong foundation for disaster and emergency management for homeland security in the 21st century. Addresses issues, policies, questions, best practices, and lessons learned through recent years; requirements of NFPA 1600, Standard on Emergency Management and exposure to new and developing theories, practices, and technology in emergency management.
Prerequisite: This is a required first course to enter the HSEM degree program. Must earn a grade of 2.0 or better before taking other HSEM courses.

HSEM 110–Basic Incident Command System/NIMS
Cr: 2 Wkly hrs: 2 hours
This course introduces the Incident Command System (ICS) and provides the foundation for higher-level ICS training. This course describes the history, features, and principles and organization structure of the Incident Command System. It also explains the relationship between ICS and the National Incident Management System (NIMS). (Course will meet ICS 100/200 requirements)

HSEM 120–All Hazards Emergency Planning
Cr: 3 Wkly hrs: 3 hours Lecture
This course is designed to introduce students to developing an effective emergency planning system. This course offers training in the fundamentals of the emergency planning process, including the rationale behind planning. Emphasis will be placed on hazard risk analysis and planning team development.

Other topics, such as Continuity of Operations (COOP), Emergency Support Functions, National Response Plan, Washington State Comprehensive Emergency Management Plan and contingencies planning for areas such as Special Needs (Vulnerable Populations) or Animal Sheltering are included.
Prerequisite: HSEM 102.

HSEM 130–Technology in Emergency Management
Cr: 3 Wkly hrs: 3 hours Lecture
This class provides a detailed overview of the technology used, and also clearly explains how the technology is applied in the field of emergency management. Students will learn how to utilize technology in emergency planning, response, recovery and mitigation efforts and they’ll uncover the key elements that must be in place for technology to enhance the emergency management process. Course overviews include: Web Emergency Operations Center (EOC), using technology with training and exercises, reverse 911 notification systems, video conferencing/downtown links and Geographic Information System (GIS)/ Global Positioning System (GPS) capabilities.
Prerequisite: HSEM 102.

HSEM 157–Public Information Officer
Cr: 2 Wkly hrs: 2 hours Lecture
The course is designed to train participants for coordinating and disseminating information released during emergency operations and for assisting in the scheduling and coordination of news conferences and similar media events. After completing this course the student will have met the sections required for Public Information Officer as outlined by NFPA 1035.

HSEM 160–Emergency Response Awareness to Terrorism
Cr: 5 Wkly hrs: 5 hours Lecture
Provides current and relevant information about terrorism, terrorist behavior, homeland security policies and dilemmas, and how to deal effectively with threats and the consequences of attacks. Student will gain insight into the key players involved in emergency management, local and state issues, particularly as they need to interact and work with FEMA and other federal agencies. Course components include identifying terrorism, causes of terrorism, preventing terrorist attacks, responding to terrorism attacks and avoidance in communication and leadership collapse.

HSEM 180–Public Administration
Cr: 3 Wkly hrs: 3 hours Lecture
This course provides an overview in the structure and issues of public service. Course participants will examine the context of public administration: the political system, the role of federalism, bureaucratic politics and power, and the various theories of administration that guide public managers today. Course components include public administration, personnel, budgeting, decision-making, organizational behavior, leadership, and policy implementation. Lessons will be drawn from the most current applications of public administration today, such as Hurricane Katrina efforts and Homeland Security.
HSEM 190—Special Topics in HSEM
(X=E,A,B,C,D,E,Or F)
Cr: 1-5 Wkly hrs: 5 hours Lecture
Special topics will be developed for areas outside the usual course offerings in Homeland Security Emergency Management degree. Topics developed will focus on a specific current issue or concept in the areas of homeland security or emergency management. Prerequisite: HSEM 102. Must have completed 12 HSEM credits or HSEM Program Coordinator approval.

HSEM 200—Emergency Operations Center
Cr: 2 Wkly hrs: 2 hours Lecture
This course provides the student with skills and knowledge to manage an Emergency Operations Center (EOC), acquire and control resources, and interface with on-scene responders within Incident Management Systems. Topics include EOC design, preparing, staffing and operating, jurisdictional setting, and the critical link between Incident Management Systems and emergency management operations. Prerequisite: HSEM 110 and HSEM 102.

HSEM 210—Exercise Design and Evaluation
Cr: 3 Wkly hrs: 3 hours Lecture
This course provides participants with the knowledge and skills to develop, conduct, evaluate and report effective exercises that test a community's operations plan and operational response capability. Throughout the course, participants will learn about topics including exercise program management, design and development, evaluation, and improvement planning. It also builds a foundation for subsequent exercise courses, which provide the specifics of the Homeland Security Exercise and Evaluation Program (HSEEP) and the National Standard Exercise Curriculum (NSEC). Prerequisite: HSEM 102 and HSEM 120 or Program Coordinator approval.

HSEM 220—Developing and Managing Volunteer Resources
Cr: 2 Wkly hrs: 2 hours Lecture
This course will focus on methods and procedures for involving private-sector organizations and volunteers in emergency management programs in ways which benefit both parties. The focus of the course is on maximizing the effectiveness of volunteer resources by implementing a people-oriented system that addresses defining volunteer roles, designing a plan of action, recruiting volunteers, training individuals who volunteer and motivation and maintenance of a successful program. Participants will acquire skills and knowledge to make appropriate volunteer assignments that enhance the effectiveness of an integrated emergency management system. Prerequisite: HSEM 102.

HSEM 230—Disaster Response and Recovery
Cr: 2 Wkly hrs: 2 hours Lecture
The purpose of this course is to enable students to understand and think critically about response and recovery operations in the profession of emergency management. Students will utilize problem based learning by analyzing actual disaster events and applying the theories, principals, and practice of response and recovery. In addition, students will learn about the issues faced by special populations and how to address these special needs in natural disaster response and recovery. Prerequisite: HSEM 102 and HSEM 120 or program coordinator approval.

HSEM 240—HSEM Work-Based Learning
Cr: 5 Wkly hrs: 5 hours Lecture
Provides students real world experiences in homeland security and emergency management. Students learn to work within time constraints and are exposed to appropriate workplace behaviors. Students will have opportunities to refine the core skills they have learned from the courses or curriculum. Prerequisite: HSEM 102. Requires HSEM program coordinator approval.

HSEM 250—Homeland Security Law and Ethics
Cr: 3 Wkly hrs: 3 hours Lecture
This course is designed to give the student an overview of various statutes, regulations, constitutional law, and common law associated with Homeland Security. This course examines emergency response, weapons of mass destruction, local government powers, Federal Emergency Management Agency (FEMA), Department of Homeland Security, civil rights, international anti-terrorism efforts, Homeland Security Act of 2002, and the Patriot Act. Students will be introduced to the legalities and ethics relevant to organizing for counterterrorism, investigating terrorism and other national security threats, crisis and consequence management. Prerequisite: HSEM 102.

**Hospitability Management**

HMGMT 102—Intro to Hospitality Industry
Cr: 3 Wkly hrs: 3 hours Lecture
Intro to Hospitality is a comprehensive tour of the fascinating and challenging fields of the hospitality industry: travel and tourism, lodging, food service, meetings, conventions and exposition, and recreation. Prerequisite: Instructor signature.

HMGMT 124—Dining Room Supervision
Cr: 6 Wkly hrs: 2 hours Lecture, 8 hours Lab
The secret to success in the hospitality industry is SERVICE or more precisely EXCELLENT SERVICE... and the secret to providing excellent service is the training provided to the waitstaff by the supervisor. This course will provide the potential supervisor with the knowledge and skills required to insure EXCELLENT SERVICE. Prerequisite: CULIN 104: Dining Room Service.

HMGMT 133—Elements of Hospitality Management
Cr: 6 Wkly hrs: 2 hours Lecture, 8 hours Lab
This course offers an overview of the characteristics and attributes of leaders and compares different leadership styles. The functions of management are detailed and the distinction between leadership and management is made.

HMGMT 135—Beverage Management
Cr: 3 Wkly hrs: 3 hours Lecture
This course covers the fundamental areas of beverage operations: the planning of the bar, bar staffing, legal factors to consider, drink costing, purchasing, receiving and storage, and beverage production methods. Prerequisite: Instructor signature.

**Human Services**

HS 105—Substance Abuse Prevention
Cr: 3 Wkly hrs: 3 hours Lecture
Students will acquire the skills and knowledge of substance abuse prevention theory and practice. Prerequisite: ENGL 101 with 2.0 or better.

HS 107—Intro to Human Services
Cr: 5 Wkly hrs: 5 hours Lecture
SS - A survey of the key concepts and guiding principles in human services theory and practice. Prerequisite: ENGL 101 with 2.0 or better.

HS 110—Diversity, Ethics & the Law
Cr: 3 Wkly hrs: 3 hours Lecture
Explores the ethical issues of confidentiality, duty to care, duty to warn and other related issues for counselors and therapists. Includes 4 hours of AIDS prevention education. Prerequisite: ENGL 101 with 2.0 or better.

HS 112—Case Management for CDP
Cr: 3 Wkly hrs: 3 hours Lecture
Assessment, case management, and documentation for Chemical Dependency Professionals. Prerequisite: ENGL 101 with 2.0 or better, HSSA 101.

HS 113—CDP Individual Counseling
Cr: 3 Wkly hrs: 3 hours Lecture
Survey of accepted one-on-one counseling modalities, techniques and methods for treating chemical dependency. Prerequisite: ENGL 101 with 2.0 or better, HSSA 101.

HS 114—CDP Group Counseling
Cr: 3 Wkly hrs: 3 hours Lecture
Survey of accepted group counseling modalities, techniques and methods for treating chemical dependency. Prerequisite: ENGL 101 with 2.0 or better, HSSA 101.

HS 115—Adolescent Addiction and Treatment
Cr: 2 Wkly hrs: 2 hours Lecture
Survey of accepted counseling modalities, techniques and methods for assessing and treating chemically dependent adolescents. Prerequisite: ENGL 101 with 2.0 or better, HSSA 101.

HS 120—Relapse Prevention/Family Counseling
Cr: 3 Wkly hrs: 3 hours Lecture
Review of the stages of relapse, relapse prevention, the development of refusal skills, and methods and strategies of integrating significant others into the treatment process. Prerequisite: ENGL 101 with 2.0 or better, HSSA 101.
Course Descriptions

Olympic College Catalog 2014-2015

*See course description for prerequisite.

COURSE NOTES: H=Humanities, H/SP=Humanities/Skills Performance, NS=Natural Science, SS=Social Science

HS 121–Treating Gambling Addiction
Cr: 3 Wkly hrs: 3 hours Lecture
Students will develop the skills necessary to identify, assess, diagnose and treat problem gambling and pathological gambling; to learn treatment best practices for individual and group therapy; to understand counseling necessary for family members.
Prerequisite: ENGL 101 with a 2.0 or better.

HS 122–Suicide Risk Assessment & Management
Cr: 3 Wkly hrs: 3 hours Lecture
An exploration of the theoretical foundation in suicide risk assessment and management with a special emphasis on epidemiology of US suicide, mental illness and substance abuse, and evidenced-based risk and protective factors. Role play and skill development exercises included.
Prerequisite: ENGL 101 with a 2.0 or better.

HS 123–Co-Occurring Disorders
Cr: 3 Wkly hrs: 3 hours Lecture
An overview of guiding principles and core components of co-occurring disorders treatment using lecture and experiential learning methods.
Prerequisite: ENGL 101 with a 2.0 or better, HSSA&101 and PSYC&220.

HS 125–Child Advocacy (CASA Training)
Cr: 3 Wkly hrs: 3 hours Lecture
The skills, knowledge, and attitudes needed to be a CASA/GAL (Court Appointed Special Advocates/Guardian ad Litem) volunteer—an advocate for children who are court-involved as a result of neglect or abuse. (Same as ECED 125)
Prerequisite: ENGL 101 with a 2.0 or better.

HS 275–Human Services & CDP Practicum 1
Cr: 5 Wkly hrs: 2 hours Lecture, 9 hours Clinic
Practicum offers opportunities for students to demonstrate competence in work settings such as human services agencies and chemical dependency treatment facilities.
Prerequisite: Completion of core requirements for Human Services Certificate Program. Instructor permission required before enrolling.

HS 276–Human Services & CDP Practicum 2
Cr: 5 Wkly hrs: 2 hours Lecture, 9 hours Clinic
Practicum offers opportunities for students to demonstrate competence in work settings such as human services agencies and chemical dependency treatment facilities.
Prerequisite: Completion of core requirements for Human Services or Chemical Dependency Professional Certificate Programs. Instructor permission required before enrolling.

HSSA&101–Intro to Addictive Drugs
Cr: 5 Wkly hrs: 5 hours Lecture
SS - An introduction to substance abuse and dependence focusing on the dynamics of addiction and its economic, psychological, and pharmacological impacts.
Prerequisite: ENGL 101 with a 2.0 or better.

Humanities

Also see Anthropology, Art, Communication Studies, Dramatic Arts, English, Geography, History, Library Research, Music, Philosophy, and Political Science disciplines for other courses that qualify for the Humanities Distribution.

HUMAN 145–Language & Culture of the Middle East
Cr: 5 Wkly hrs: 5 hours Lecture
H/SS - An introduction to the language and culture of the Middle East, with special emphasis on Islam.

HUMAN 175–Politics and Literature
Cr: 5 Wkly hrs: 5 hours Lecture
H - An examination of the central issues and concepts of politics through the perspective provided by great literature. Included will be the questions of authority, responsibility, freedom, and power. (Same as POLS 175)

HUMAN 201–Introduction to the Art of Film
Cr: 5 Wkly hrs: 5 hours Lecture
H - An introductory study of the narrative, visual and aural elements of film, including the cultural and social forces that create the variety of film styles. (Same as DRMA 201)

HUMAN 202–Literature and Film
Cr: 5 Wkly hrs: 5 hours Lecture
H - A survey of literary and film techniques and a comparison of verbal and visual languages.

HUMAN 203–Introduction to Western Religions
Cr: 5 Wkly hrs: 5 hours Lecture
H - Introduction to the study of religions, emphasizing the Western religious traditions, including Judaism, Christianity and Islam.

HUMAN 204–Introduction to Eastern Religions
Cr: 5 Wkly hrs: 5 hours Lecture
H - A study of the major religions of Asia, emphasizing India, China, and Japan.

HUMAN 220–Women in American Culture
Cr: 5 Wkly hrs: 5 hours Lecture
H - A survey of the role and status of American women from Colonial Times to the present, with emphasis on literature.

HUMAN 225–Labor and Film
Cr: 5 Wkly hrs: 5 hours Lecture
H - Using a combination of labor films and labor history, this course examines the role of unions in the United States and their trajectory of struggle for workers’ rights and welfare. (Same as POLS 235)

HUMAN 230–Women in American Culture-Advanced
Cr: 5 Wkly hrs: 5 hours Lecture
H - A survey of the role and status of American women from Colonial Times to the present, with emphasis on literature and the theoretics of gender. Not a continuation of HUMAN 220. Students may receive credit for HUMAN 220 or HUMAN 320, but not both.
Prerequisite: ENGL 101 or the equivalent with a 2.0 or better.

Information Systems

IS 300–IS Foundations
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
This course forms the cohort and prepares students with the foundational topics used throughout the BAS program. It creates the required learning platform by focusing on four subject areas: SQL, Web, Programming and Networking. Students will work collaboratively to create, manipulate and query data, configure a Windows server, practice HTML5, CSS3 and JavaScript, and develop applications using server-side scripting.
Prerequisite: Acceptance into the BAS program and co-enrollment in IS 302 or permission of instructor.

IS 302–Information Systems Integration
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
Students work collaboratively using divergent technologies to create a secure, self-hosted, database-driven website as a means to develop and hone skills, showcase incoming talents, and construct a working community for future projects used throughout the BAS program. Portfolio is introduced.
Prerequisite: Acceptance into the BAS program and co-enrollment in IS 300 or permission of instructor.

IS 305–Scripting for Automation
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
Students apply scripting languages to automate tasks, including those performed by applications, web pages, operating system shells, and embedded systems. General purpose and popular languages are explored and practiced for creating wrapper programs and custom commands, and performing networking tasks and unified queries.
Prerequisite: IS 300 with 2.0 or better or permission of instructor.

IS 330–Database & Data Analysis
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
Plan and design relational databases. Mine and analyze data using Structured Query Language (SQL) with real-world applications. Topics covered include: data modeling, data normalization and integrity, advanced queries, data manipulation, data analytics and functions, and tabular and graphical representation of analysis findings. Overview of data analytics, including issues of privacy and security. An introduction to NoSQL databases is included.
Prerequisite: IS 300 with 2.0 or better or permission of instructor.
Course Descriptions

IS 337—Information Assurance I
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
The student will develop and apply knowledge and skill in planning, designing and evaluating computer system components and procedures of organizational security and information assurance.
Prerequisite: Acceptance into the BAS program.

IS 346—LAN Administration IV
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
Students will focus on upper-administrator planning tasks for Windows Server 2008, choose the appropriate Windows Server solution for a design requirement, and perform domain- or forest-wide server administration tasks.
Prerequisite: IS 302 with 2.0 or better.

IS 350—Project Management I
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
Students learn the main phases, strategies and tools that support effective project management processes. The course covers all the stages of the project life cycle: including selecting projects, project planning, and risk assessment through execution, monitoring and control. Through case studies students have the opportunity to assess and apply best project management practices in the context of real-world scenarios.
Prerequisite: Acceptance into the BAS program.

IS 390—IS Reading and Research
Cr: 5 Wkly hrs: 2 hours Lecture, 6 hours Lab
Independently or in small teams, and mentored by a faculty member, students do intensive and self-directed research that results in an original scholarly paper or other product that can be formally presented. Students set goals and objectives that help form their own professional development strategy, and that clearly define the research project, reflect original research questions(s), and deepen technical knowledge in specific area of interest.
Prerequisite: Acceptance into BAS program.

IS 415—Informatics and Analytics
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
Studies the roles of informatics and analytics in today's business environment and explores the trends that are related to big data. Uses data to support effective decision-making process in a wide range of business contexts. Topics include research methods in informatics; big data management and analytics; predictive analytics; recognizing data patterns and trends; a information ethics, law and policy. Through the use of case studies, students collaborate to research and present data-driven solutions to real-world problems.
Prerequisite: IS 330 with 2.0 or better.

IS 438—Information Assurance II
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
In this course students will explore current issues and advanced topics in network security and digital forensics.
Prerequisite: IS 337 with a 2.0 or better.

IS 450—Project Management II
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
Students learn to apply project management strategies to information systems development and implementation projects. Covers computer systems life cycle management: including requirement identification and analysis, proposal evaluation and development, project planning, management and control, cost and risk analysis, project documentation and legal and licensing requirements. Also include discussions of current IS project management practices and trends and the role of the development team and its internal and external stakeholders and partners.
Prerequisite: IS 350 with 2.0 or above.

IS 470—Enterprise Systems
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
Students form work-based teams to apply significant knowledge, skills and abilities in developing an enterprise-level environment, taking on roles as network administrator, software developers, web database designers and project managers. Teams produce professional documentation to include auditable security plans, policies, procedural manuals, network diagrams, and wireframe schematics. Throughout the course, each team works closely with a faculty member to ensure that their project yields high quality results.
Prerequisite: IS 346 with a 2.0 or better.

IS 490—Senior Project
Cr: 5 Wkly hrs: 2 hours Lecture, 6 hours Lab
Students work with faculty facilitator on individually-selected advanced-level project or projects that demonstrate mastery of program outcomes and relevant skills. Students will prepare formal written proposals detailing project or goal activities, and will refine their respective portfolios for professional presentation.
Prerequisite: Overall program 2.5 GPA.

Intensive English

IE 080—American Culture and Language
Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
A P/N C-W English language course for non-native English speaking international students who want a short, non-intensive course to improve their English.
Prerequisite: Instructor permission.

IE 090—Summer Intensive
Cr: 1-10 Wkly hrs: 10 hours Lecture
Focus on writing, grammar usage, reading, vocabulary development, and listening and speaking skills. Adaptable to students at various skill levels. Designed to improve non-native English ability primarily for academic and career enhancement purposes.
Prerequisite: Admission to the college and instructor permission.

IE 091A—Beginning Writing, Grammar, and Usage
Cr: 1-5 Wkly hrs: 5 hours Lecture
An intensive academic English course designed to teach students at a beginner level basic oral and aural skills.
Prerequisite: Required scores on ESL Accuplacer Test or Instructor permission.

IE 092A—Low/Intermediate Writing, Grammar and Usage
Cr: 1-5 Wkly hrs: 5 hours Lecture
An intensive academic English course designed to give students at a low intermediate level proficiency using basic English grammar and developing short essays.
Prerequisite: IE091A with a 2.0 or better or required scores on ESL Accuplacer Test or Instructor permission.

IE 092B—Low/Intermediate/Read/Vocabulary Development
Cr: 1-5 Wkly hrs: 5 hours Lecture
An intensive academic English course designed to teach students at a low intermediate level vocabulary-building and reading skills.
Prerequisite: IE091B with a 2.0 or better or required scores on ESL Accuplacer Test or Instructor permission.

IE 092C—Low/Intermediate Listening/Speaking Skills
Cr: 1-5 Wkly hrs: 5 hours Lecture
An intensive academic English course designed to give students at a low intermediate level confidence and proficiency in basic oral/aural English skills.
Prerequisite: IE091C with a 2.0 or better or required scores on ESL Accuplacer Test or Instructor permission.

IE 093A—Hi/Intermediate Writing, Grammar and Usage
Cr: 1-5 Wkly hrs: 5 hours Lecture
An intensive academic English course designed to teach students at a high intermediate level grammar and writing skills necessary to produce simple unified, cohesive, and coherent five-paragraph essays.
Prerequisite: IE092A with a 2.0 or better or required scores on ESL Accuplacer Test or Instructor permission.

IE 093B—Hi/Intermediate/Read/Vocabulary Development
Cr: 1-5 Wkly hrs: 5 hours Lecture
An intensive academic English course designed to teach students at a high intermediate level vocabulary and reading skills necessary to read simple unabridged novels and articles.
Prerequisite: IE092B with a 2.0 or better or required scores on ESL Accuplacer Test or Instructor permission.

IE 093C—Hi/Intermediate Listening/Speaking Skills
Cr: 1-5 Wkly hrs: 5 hours Lecture
An intensive academic English course designed to teach students at a high intermediate level basic speech-making and conversational/academic listening comprehension skills.
Prerequisite: IE092C with a 2.0 or better or required scores on ESL Accuplacer Test or Instructor permission.
Course Descriptions

JAPN&122–Japanese II
Cr: 5 Wkly hrs: 5 hours Lecture
H - Deals with very basic vocabulary and the acquisition of basic skills for listening, speaking, reading, and writing in Hiragana, Katakana, and Kani. Explores cultural aspects of Japan.
Prerequisite: JAPN& 121 or equivalent.

KREA&121–Korean I
Cr: 5 Wkly hrs: 5 hours Lecture
H - This course deals with the principles of the Korean syntax, lexicon, and pronunciation as well as orthography. Explores the history, geography, and various cultural practices of Korea.
Prerequisite: KREA& 121 or equivalent.

KREA&122–Korean II
Cr: 5 Wkly hrs: 5 hours Lecture
H - This course expands on the basic knowledge of the Korean syntax, lexicon, and pronunciation as well as orthography. The course explores the history, geography, and various cultural practices of Korea. The course develops reading, writing, listening, and speaking skills through Korean books and movies.
Prerequisite: KREA& 121 or equivalent.

KREA&123–Korean III
Cr: 5 Wkly hrs: 5 hours Lecture
H - This course deals with advanced Korean syntax and lexicon. The course develops a sophisticated understanding of the history, geography, current events, and various cultural practices of Korea. The course continues to develop reading, writing, listening, and speaking skills through authentic materials.
Prerequisite: KREA& 122 or equivalent.

LIB-R 110–Internet Research Skills
Cr: 2 Wkly hrs: 2 hours Lecture
An introduction to the Internet as an information resource and search tool for academic and personal use. It includes a brief history of the Internet, as well as Internet navigation techniques, search tools, website evaluation criteria, advanced searching strategies and ethical/legal issues involving the Internet. This course covers online resources such as websites, electronic databases, search engines, web portals, listservs, blogs, wikis, library catalogs, and the invisible web. (Formerly GEN-S 110).

LIB-R 180–Research for the 21st Century
Cr: 5 Wkly hrs: 5 hours Lecture
Building skills and techniques for successful lifelong learning in an on-line environment, examining strategies for locating, evaluating, and applying information resources in the research process with attention to information policy issues such as censorship and freedom of information.
Prerequisite: Eligibility for ENGL 101 and basic computer skills, such as e-mail, word processing.

Manufacturing

MANU 101–Orientation to Manufacturing
Cr: 2 Wkly hrs: 2 hours Lecture
Overview of the manufacturing sector, including career exploration and local manufacturer presentations.

MANU 115–Applied Fundamental Skills
Cr: 5 Wkly hrs: 5 hours Lecture
Manufacturing and trade-related concepts, math skills, language skills, academic success strategies, interpersonal skills, and career planning specific to manufacturing careers.

MANU 120–Manufacturing Methodologies
Cr: 5 Wkly hrs: 5 hours Lecture
An introduction and survey of the concepts used in manufacturing, such as Lean, Green, and Just In Time.

MANU 130–Machine Tools/Precision Measurement
Cr: 6 Wkly hrs: 4 hours Lecture, 4 hours Lab
Precision measurement methods and tools, identification and use of hand and machine tools, and industrial safety practices.

MANU 140–Machining Operations & Procedures
Cr: 6 Wkly hrs: 5 hours Lecture, 2 hours Lab
Identify and practice common machining operations. Develop and expand machining knowledge, skills, and abilities. Perform process planning, quality assurance inspections, and lean mfg.
Prerequisite: MANU 130 with a grade of 2.0

MANU 150–Intro to Computer Numerical Control
Cr: 6 Wkly hrs: 4 hours Lecture, 4 hours Lab
Concepts/capabilities of Computer Numerical Control (CNC) machining. Basic programming, speeds, feeds, General & Misc. (G&M) codes, store and edit data.

MANU 160–Advanced Computer Numerical Control
Cr: 6 Wkly hrs: 4 hours Lecture, 4 hours Lab
Expand knowledge, skills, and abilities in CNC operations. Identify the applications and capabilities of Computer Aided Manufacturing (CAM) software. Begin using and navigating the Mastercam software package.
Prerequisite: Introduction to CNC (MANU 150) with a grade of 2.0.

MANU 165–Computer Aided Manufacturing I
Cr: 6 Wkly hrs: 4 hours Lecture, 4 hours Lab
Entry level course for the use of Computer Aided Manufacturing (CAM) software as it pertains to the programing and operation of CNC machine tools.
Prerequisite: MANU 160 with a grade of 2.0.

MANU 172–Manufacturing Materials
Cr: 5 Wkly hrs: 5 hours Lecture
Survey of materials typically found in aerospace, recreational, automotive, medical, and construction industries, and how their mechanical, physical, and, chemical properties impact design, manufacturing, and performance requirements. Hands on labs

*See course description for prerequisite.
will supplement the lectures giving students a broader understanding of materials and how they behave under different loading (thermal, mechanical, and environmental) conditions.

**Prerequisite:** Successful completion of TEC-D 145 (or equivalent) with a grade of 2.0 or better.

**MANU 180–Composites I**

**Cr:** 4  **Wkly hrs:** 4 hours **Lecture**

Entry-level composite materials manufacturing course offering students a basic foundation in the vocabulary, safety procedures, applied problem solving, material properties, handling techniques, and fabrication methods associated with the fiber reinforced polymers found in aerospace, recreational, automotive, and medical industries.

**Prerequisite:** MATH 090B (Scr) Essential Mathematics within the last six years with a grade of 2.0 or above, or satisfactory placement test score AND Co-enrollment in MANU 181.

**MANU 181–Composites I Lab**

**Cr:** 4  **Wkly hrs:** 8 hours **Lab**

Entry-level composite materials manufacturing lab providing students a hands-on experience to the topics covered in MANU 180 Composites I.

**Prerequisite:** Co-enrollment in MANU 181 or with the permission of the instructor.

**MANU 185–Composites II**

**Cr:** 3  **Wkly hrs:** 3 hours **Lecture**

Mid-Level composite materials manufacturing course, builds on the concepts of MANU 180 and MANU 181, offering students a more advanced foundation in the vocabulary, safety procedures, applied problem solving, material properties, handling techniques, and fabrication methods associated with advanced composite materials found in aerospace, recreational, automotive, and medical industries.

**Prerequisite:** Successful completion of MANU 101, MANU 180, and MANU 181 with a grade of 2.0 or better, or satisfactory placement test score.

**MANU 186–Composites II Lab**

**Cr:** 5  **Wkly hrs:** 10 hours **Lab**

Mid-Level composite materials manufacturing lab providing students a hands-on experience to the topics covered in MANU 180 Composites II.

**Prerequisite:** Successful completion of MANU 101, MANU 180 and MANU 181 with a grade of 2.0 or better, MATH& 141 or TEC-D 145 with a grade of 2.0 or better, AND Co-enrollment in MANU 186.

**MANU 280–Composites III**

**Cr:** 3  **Wkly hrs:** 3 hours **Lecture**

Advanced level composite materials manufacturing course, builds on the concepts of MANU-185 and MANU-186, to provide students with the knowledge and hands-on experience in the inspection and repair techniques of Advanced and Fiber Reinforced Polymer (FRP) composite materials. Real world labs will be assigned to student led teams preparing students for a career in the inspection and repair of composite material components found in aerospace, marine, recreational, automotive, and medical industries.

**Prerequisite:** Successful completion of TEC-D 107, MANU 130, MANU 175 or MANU 185 and MANU 186, with a grade of 2.0 or better, AND Co-enrollment in MANU 281.

**MANU 281–Composites III Lab**

**Cr:** 5  **Wkly hrs:** 10 hours **Lab**

Advanced level composite materials manufacturing lab providing students a hands-on experience to the topics covered in MANU 280 Composite III.

**Prerequisite:** Successful completion of MANU 175 or MANU 185, MANU 130, and TEC-D 107 with a grade of 2.0 or better, AND Co-enrollment in MANU 280.

**MANU 285–Composites IV**

**Cr:** 4  **Wkly hrs:** 8 hours **Lab**

Advanced lab course, expanding on the concepts of MANU 175 and 180, focused on the advanced manufacturing methods used in the fabrication of advanced composite material parts typically found in the found in aerospace, recreational, automotive, and medical industries. Each student will utilize the knowledge and experienced gained in previous courses to take a multi-week project from design to finished part with an emphasis on cost control, scheduling, quality, and communication.

**Prerequisite:** Successful completion of MANU 172, 180, 185, and 280 with a grade of 2.0 or better.

**MANU 290–Capstone Project**

**Cr:** 5  **Wkly hrs:** 2 hours **Lecture**, 6 hours **Lab**

Capstone course that allows students to integrate knowledge from previous classes and demonstrate this in a collaborative, team based, multi-discipline project, in which they assist in the design and documentation of a product, and test that design through manufacturing of the product from the documentation and a final project report.

**Prerequisite:** TEC-D 205 and one of the following: MANU 285 with a 2.0 or better --or-- MANU 165 with a 2.0 or better.

**Mathematics**

**MATH 090A–Essential Mathematics**

**Cr:** 5  **Wkly hrs:** 5 hours **Lecture**

Concepts, calculations, and applications of arithmetic; use of a calculator.

**MATH 090B–Prealgebra**

**Cr:** 5  **Wkly hrs:** 5 hours **Lecture**

Prepares students for study of algebra. Includes signed numbers, variables, linear equations; rational expressions; radical expressions and rational exponents. A scientific calculator is required.

**MATH 094–Elementary Algebra**

**Cr:** 5  **Wkly hrs:** 5 hours **Lecture**

Second course in the sequence of Elementary Algebra and Intermediate Algebra. Graphing linear and quadratic functions; systems of equations; rational expressions; radical expressions and rational exponents. A scientific calculator is required.

**MATH 098I–Integrated Inter Algebra for MATH107**

**Cr:** 3  **Wkly hrs:** 3 hours **Lecture**

Part of iMATH course offering only. Algebraic expressions, rational exponents, radicals, linear and quadratic equations, graphs and applications.

**MATH 099–Intermediate Algebra**

**Cr:** 5  **Wkly hrs:** 5 hours **Lecture**

Part of iMATH course offering only. Linear and quadratic equations; systems of linear equations; rational expressions; radical expressions and rational exponents.

**Prerequisite:** MATH 098 with a grade of 3.5 or above within the last 2 years or MATH 094 with a grade of 2.0 or above within the last 2 years or satisfactory placement test score.

**MATH 099I–Integrated Inter Algebra for MATH141**

**Cr:** 3  **Wkly hrs:** 3 hours **Lecture**

Part of iMATH course offering only. Linear and quadratic equations; systems of linear equations; rational and radical expressions and equations.

**Prerequisite:** MATH 094 or MATH 098I within the last 6 years with a 2.0 or above or satisfactory placement test score.

**MATH 099–Intermediate Algebra**

**Cr:** 5  **Wkly hrs:** 5 hours **Lecture**

Part of iMATH course offering only. Linear and quadratic equations; systems of linear equations; rational and radical expressions and equations.

**Prerequisite:** MATH 094 with a grade of 3.5 or above within the last 2 years or MATH 099 with a grade of 2.0 or above within the last 2 years or satisfactory placement test score.

**MATH 100–Applied Math**

**Cr:** 5  **Wkly hrs:** 5 hours **Lecture**

Integrated presentation of topics in arithmetic, algebra and geometry; problem-solving, estimation, use of right triangle relationships; applications of math in practical workplace-related problems.

**Prerequisite:** MATH 094 within the last 6 years with a grade of 2.0 or above, or satisfactory placement test score.

---

*See course description for prerequisite. www.olympic.edu | Campus Switchboard: 360.792.6050 or 1.800.259.6718 123*
**Course Descriptions**

**MATH 103—Applied Trigonometry**  
*Cr: 5  Wkly hrs: 5 hours Lecture*  
Plane trigonometry for technical programs including trigonometric functions, inverse functions, identities and oblique triangles, radians, identities and graphing trigonometric functions.  
**Prerequisite:** MATH 100 or 099 within the last 6 years with a grade of 2.0 or above, or satisfactory placement test score.

**MATH 107—Math in Society**  
*Cr: 5  Wkly hrs: 5 hours Lecture*  
NS - Set Theory and Logic as tools for Critical thinking. Mathematical Models (Linear, Quadratic, and Exponential) as tools for solving real-world problems. Combinatorics and probability as tools for sophisticated counting. Basic descriptive statistics as an introduction to statistical thinking. Consumer Mathematics (loans, annuity’s, etc.) as a life skill.  
**Prerequisite:** MATH 099 within the last 6 years with a grade of 2.0 or above, satisfactory placement test score, or enrollment in MATH 098I.

**MATH 112—Mathematics and the Environment**  
*Cr: 5  Wkly hrs: 5 hours Lecture*  
NS - Real-life data relating to environmental issues are studied using linear, exponential and power functions, and elementary statistics.  
**Prerequisite:** MATH 099 within the last 6 years with a grade of 2.0 or above or satisfactory placement test score.

**MATH 131—Math for Elem Educ 1**  
*Cr: 5  Wkly hrs: 5 hours Lecture*  
NS - First course for elementary teachers. Emphases: math reasoning, problem solving, sets, real number system, number theory. Scientific calculator: fraction ability/statistical operations required.  
**Prerequisite:** MATH 099 or MATH 099I within the last 6 years with a grade of 2.0 or above, or satisfactory placement test score.

**MATH 132—Math for Elem Educ 2**  
*Cr: 5  Wkly hrs: 5 hours Lecture*  
NS - Second in a sequence for elementary teachers. Topics: geometry, probability, statistics. Emphases: representations, concepts, spatial reasoning. Calculator with statistical operations required.  
**Prerequisite:** MATH 131 within the last 6 years with a grade of 2.0 or above, or satisfactory placement test score.

**MATH 141—Precalculus I: Algebra**  
*Cr: 5  Wkly hrs: 5 hours Lecture*  
NS - Using numeric, analytic and graphical methods, linear, polynomial, rational, exponential, and logarithmic functions are studied. A graphing calculator is required (TI demonstrated).  
**Prerequisite:** MATH 099 or MATH 099I within the last 6 years with a grade of 2.0 or above, satisfactory placement test score, or enrollment in MATH 099I.

**MATH 142—Precalculus II: Trig**  
*Cr: 5  Wkly hrs: 5 hours Lecture*  
NS - Using numeric, analytic, and graphical methods, trigonometric functions and polar and parametric equations are studied. (Graphing calculator is required and demonstrated).  
**Prerequisite:** MATH 141 within the last 6 years with a grade of 2.0 or above, or satisfactory placement test score.

**MATH 143—Precalculus I & II**  
*Cr: 10  Wkly hrs: 10 hours Lecture*  
NS - An accelerated combination of MATH& 141 and MATH& 142, allowing the better prepared student to complete the precalculus preparation in one quarter rather than two. Topics include polynomial, rational, exponential, logarithmic, and trigonometric functions, vectors and parametric equations. A graphing calculator is required. Students completing MATH 143 may not receive graduation credit for MATH& 141 and/or MATH& 142.  
**Prerequisite:** Satisfactory placement test score.

**MATH 146—Intro to Statistics**  
*Cr: 5  Wkly hrs: 5 hours Lecture*  
NS - Application of statistics in the context of various fields; descriptive statistics, linear correlation and regression, probability, sampling, the Normal Distribution, confidence intervals, hypothesis testing.  
**Prerequisite:** MATH 099, MATH 098I, or MATH 099I within the last 6 years with a grade of 2.0 or above, or satisfactory placement test score.

**MATH 147—Business Algebra**  
*Cr: 5  Wkly hrs: 5 hours Lecture*  
NS - First in a two quarter sequence of algebra and calculus focusing on applications in business and economics; differentiation and integration, optimization, applications; partial derivative. Requires use of a graphing calculator.  
**Prerequisite:** MATH 099 within the last 6 years with a grade of 2.0 or above, or satisfactory placement test.

**MATH 148—Business Calculus**  
*Cr: 5  Wkly hrs: 5 hours Lecture*  
NS - Second in a two-quarter sequence of algebra and calculus focusing on applications in business and economics; differentiation and integration, optimization, applications; partial derivative. Requires use of a graphing calculator.  
**Prerequisite:** MATH 147 and MATH& 141 within the last 6 years with a grade of 2.0 or above.

**MATH 152—Calculus II**  
*Cr: 5  Wkly hrs: 5 hours Lecture*  
NS - Definite integrals, techniques of integration, numerical approximation, applications of integration, differential equations: Separable, growth and decay applications.  
**Prerequisite:** MATH& 151 with a grade of 2.0 or above.

**MATH 163—Calculus 3**  
*Cr: 5  Wkly hrs: 5 hours Lecture*  
NS - Series, functions of two variables and their graphs, contour diagrams, vector algebra, dot and cross products, multivariable functions, partial differentiation.  
**Prerequisite:** MATH& 152 with a grade of 2.0 or above.

**MATH 210—Introduction to Discrete Mathematics**  
*Cr: 5  Wkly hrs: 5 hours Lecture*  
NS - Basic logic, number theory, sequences and series, induction. Counting: permutations, combinations, probability, and binomial theorem, graphs and trees. (Same as CS 210)  
**Prerequisite:** MATH& 142 or MATH& 144 with grade of 2.0 or better.

**MATH 221—Differential Equations I**  
*Cr: 5  Wkly hrs: 5 hours Lecture*  
**Prerequisite:** MATH 221 and MATH 250 with a grade of 2.0 or above.

**MATH 222—Differential Equations II**  
*Cr: 5  Wkly hrs: 5 hours Lecture*  
NS - A second course in differential equations including systems of 1st order linear equations, nonlinear equations, partial differential equations, Fourier Series, boundary value problems.  
**Prerequisite:** MATH 221 or con-current enrollment.

**MATH 231—Mathematical Modeling I**  
*Cr: 2  Wkly hrs: 1.5 hours Lecture, 1 hours Lab*  
NS - An introduction to mathematical modeling in the context of addressing questions from science and engineering. Focus is on describing concrete, realistic processes using ordinary differential equations and systems of equations. A lab component is included. Specific topics may include: electrical circuits, spring-mass systems, heating and cooling models, population dynamics, and environmental problems.  
**Prerequisite:** MATH 221 or con-current enrollment.

**MATH 232—Mathematical Modeling II**  
*Cr: 2  Wkly hrs: 1.5 hours Lecture, 1 hours Lab*  
NS - A second course in mathematical modeling in the context of addressing questions from science and engineering. Focus is on describing concrete, realistic processes using partial differential equations and systems of equations. The Lab component is included. Specific topics may include: electrical circuits, spring-mass systems, heating and cooling models, population dynamics, and environmental problems.  
**Prerequisite:** MATH 222 or con-current enrollment.

*COURSE NOTES: H=Humanities, H/SP=Humanities/Skills Performance  
NS=Natural Science, SS=Social Science*
Course Descriptions

MATH 240—Discrete Structures
Cr: 5  Wkly hrs: 5 hours Lecture
NS - Fundamentals of logic and writing proofs, sets, functions, number theory, combinatorics, probability, relations, graphs and trees. (Same as CS 240)
Prerequisite: MATH& 163 with grade of 2.0 or better.

MATH 250—Linear Algebra
Cr: 5  Wkly hrs: 5 hours Lecture
NS - Systems of linear equations, vector spaces and subspaces, inner product spaces, orthogonality, least squares, determinants, eigenvalues, eigenvectors, linear transformations, and applications including systems of 1st order linear differential equations and linear operators on the plane.
Prerequisite: MATH& 163 with a grade of 2.0 or above, or permission of instructor.

MATH&264—Calculus 4
Cr: 5  Wkly hrs: 5 hours Lecture
NS - Gradients, directional derivatives, optimization, local and global extrema, multiple integrals, vector fields, line integrals, flux integrals, calculus of vector fields, divergence and curl of a vector field, Stokes’ Theorem, Green’s Theorem, The Divergence Theorem.
Prerequisite: MATH& 163 with a grade of 2.0 or above.

Medical Assisting

MEDA 109—Healthcare Calculations
Cr: 2  Wkly hrs: 2 hours Lecture
Math as used in ambulatory healthcare. Dosage calculations, reference ranges, temperature conversions, growth charts and use of the metric system.
Prerequisite: Accuplacer test scores which place the student into MATH 099 or completion of MATH 094 with a 2.0 or higher.

MEDA 110—Anatomy and Physiology
Cr: 5  Wkly hrs: 4 hours Lecture, 2 hours Lab
Principles of Anatomy and Physiology as related to ambulatory healthcare settings. Also includes basic microbiology, and laboratory experiences to enhance lecture materials.
Prerequisite: Accuplacer test scores which place the student into ENGL&101 or higher. Alternatively, completion of ENGL 098 with a grade of 3.0 or ENGL 099 with a grade of 2.0 or higher.

MEDA 111—Pathophysiology for Med Assisting
Cr: 4  Wkly hrs: 4 hours Lecture
The etiology, symptoms, diagnostic procedures and treatment of common disease systems as they relate to the medical assistant.
Prerequisite: Successful completion of MEDA 110 with a minimum grade of 2.0.

MEDA 112—Med Law, Ethics and Bioethics
Cr: 3  Wkly hrs: 3 hours Lecture
Medical law, ethics and bioethics as related to the ambulatory health care setting, including legal terminology, professional liability.

MEDA 113—Pharmacology for Medical Assisting
Cr: 2  Wkly hrs: 1 hours Lecture, 2 hours Lab
Overview of drug therapy and theory relative to medical assisting. Oral and parenteral medication administration techniques and practice included.
Prerequisite: Completion of MEDA 109 and MEDA 136 with minimum grade of 2.5 in both classes and acceptance into the MEDA program.

MEDA 114—Coding/Alternative Health Settings
Cr: 3  Wkly hrs: 3 hours Lecture
Introduction to specialized billing and coding rules that apply to alternative settings such as dental offices, home health, hospice, long term care and chemical dependency facilities.
Prerequisite: Completion of or concurrent enrollment in MEDA 205.

MEDA 115—Computers in the Medical Office
Cr: 4  Wkly hrs: 2 hours Lecture, 4 hours Lab
Using medical administrative software, students will learn to complete various administrative tasks necessary for working as medical billers and/or coders.
Prerequisite: MEDA 120 and BSTEC 110 with a 2.5 or higher. Accuplacer scores must place student above MATH 094 or students must complete MATH 094 with at least a 2.0.

MEDA 116—Pharmacology for Reimbursement
Cr: 2  Wkly hrs: 2 hours Lecture
Introduction to basic pharmacology principles, terminology, and billing principles as needed for reimbursement.
Prerequisite: Concurrent enrollment or completion of MEDA 111.

MEDA 117—Healthcare Customer Service
Cr: 3  Wkly hrs: 3 hours Lecture
Customer service skills and their application to working with patients and others in a medical facility.

MEDA 118—Ten-Key Skills
Cr: 1  Wkly hrs: 2 hours Lab
Using a web-based 10-key program, students will learn to use the numeric keypad with speed and accuracy.

MEDA 120—Medical Office Procedures I
Cr: 4  Wkly hrs: 3 hours Lecture, 2 hours Lab
Introduction to software, accounts receivable procedures, professionalism and record management in the medical office.
Prerequisite: Completion of CIS 150 with minimum grade of 2.5 and ability to type 30wpm and completion of MEDA 161 or MEDA 162 with a minimum grade of 2.5.

MEDA 121—Medical Office Procedures II
Cr: 4  Wkly hrs: 3 hours Lecture, 2 hours Lab
General medical office procedures; emphasis on use of electronic medical records and appointment scheduling.
Prerequisite: Completion of MEDA 120 with a minimum grade of 2.5.

MEDA 136—Examination Room Techniques
Cr: 5  Wkly hrs: 2 hours Lecture, 6 hours Lab
Intro to basic examination room techniques, including vital signs and documentation. Patient prep, physical environment safety and maintenance of supplies and equipment.
Prerequisite: MEDA 110 with a minimum grade of 2.5 and MEDA 161 or MEDA 162 with a minimum grade of 2.5 and acceptance into the MEDA program.

MEDA 137—Lab Procedures for Medical Assisting
Cr: 4  Wkly hrs: 2 hours Lecture, 4 hours Lab
Basic lab introduction, OSHA, CLIA, infection control, microbiology principles, specimen collection, hematology, serology, urinalysis, blood chemistry, venipuncture, x-ray principles.
Prerequisite: MEDA 136, MEDA 161 or MEDA 162 complete MEDA course application on file. Students completing the MEDA Certificate program over 2 years must take this course during the second year.

MEDA 140—Medical Receptionist Skills
Cr: 2  Wkly hrs: 2 hours Lecture
Oral, written and telephone skills development appropriate to a medical receptionist setting. Emphasis on professional attributes and job search readiness.

MEDA 141—Medical Receptionist Externship
Cr: 3  Wkly hrs: 9 hours Clinic
Students are placed in approved medical facilities for a supervised, unpaid front office experience as final preparation for working as a Medical Receptionist.
Prerequisite: Medical Receptionist students must have completed at least half of the certificate curriculum. MEDA 140 and MEDA 120 must have been completed with a GPA of 2.5. Permission of the instructor is necessary. Students must complete an application packet, including a background check prior to enrollment. A positive background check may prohibit placement in a healthcare facility for the externship.

MEDA 151—MEDA Professional Preparation I
Cr: 1  Wkly hrs: 1 hours Lecture
Discussion of the personal attributes, work setting, skills and responsibilities of a Medical Assistant. Investigation of the scope of practice defined by local and national regulations. Introduction to time management theory, therapeutic patient interaction techniques and critical thinking skills.

MEDA 152—MEDA Professional Preparation II
Cr: 1  Wkly hrs: 1 hours Lecture
Skills and techniques necessary to effectively function as an administrative medical assistant working in a medical setting. Emphasis on effective communication skills.
Prerequisite: MEDA 151 with a minimum grade of 2.5.

MEDA 153—MEDA Professional Preparation III
Cr: 1  Wkly hrs: 1 hours Lecture
Study of employment opportunities in the Medical Assisting field with emphasis on the professional responsibilities of Medical Assisting. Emphasis on job search readiness.
Prerequisite: MEDA 152 with a minimum grade of 2.5.

MEDA 160—Medical Terminology I
Cr: 3  Wkly hrs: 3 hours Lecture
The roots, suffixes, prefixes, abbreviations and combining forms used in basic medical terminology and their application to several body systems.
Prerequisite: Accuplacer test scores which place the student into ENGL&101 or completion of ENGL 098 with a 3.0 or above or completion of ENGL 099 with a 2.0 or above.

*See course description for prerequisite.
**Course Descriptions**

MEDA 161–Medical Terminology II
Cr: 3  Wkly hrs: 3 hours Lecture
Continuation of MEDA 160. Roots, suffixes, prefixes, abbreviations, and combining forms used in basic medical terminology and their application to several body systems.
Prerequisite: Completion of MEDA 160 with a 2.5 or above.

MEDA 162–Medical Terminology
Cr: 5  Wkly hrs: 5 hours Lecture
The roots, suffixes, prefixes, abbreviations, and combining forms used in medical terminology and their application to all body systems. Intro to medical specialties.
Prerequisite: Accuplacer test scores which place the student into ENGL&101 or higher. Alternatively, completion of ENGL 098 with a grade of 3.0 or ENGL 099 with a grade of 2.0 or higher.

MEDA 163–Medical Insurance Billing
Cr: 3  Wkly hrs: 3 hours Lecture
Introduction to medical insurance, billing and coding.
Prerequisite: Completion of or current enrollment in MEDA 160 or MEDA 162.

MEDA 164–Coding in Outpatient Settings
Cr: 3  Wkly hrs: 3 hours Lecture
Medical coding for various outpatient settings, including coding from reports and application of coding guidelines for third-party payers.
Prerequisite: Completion of MEDA 160 and MEDA 161 or MEDA 162; completion of MEDA 205 or concurrent enrollment.

MEDA 168–Medical Assisting Invasive Procedures
Cr: 2  Wkly hrs: 1 hours Lecture, 2 hours Lab
Introduction to invasive procedures necessary for Medical Assistants. Includes concepts of asepsis, venipuncture, skin punctures and injections.
Prerequisite: MEDA 110 and MEDA 160 or 162 with a 2.5 or higher and acceptance into the Medical Assisting program.

MEDA 180–AIDS/HIV/Blood Borne Pathogens
Cr: 1  Wkly hrs: 1 hours Lecture
Meets WA State requirement for professional license in health occupations and AIDS Omnibus Bill 1988 components for 7 hour education on HIV/AIDS and OSHA Blood Borne Pathogens standard. (Pass/No Credit)

MEDA 205–Medical Claims and Coding
Cr: 2  Wkly hrs: 1 hours Lecture, 2 hours Lab
Advanced CPT and ICD-9-CM coding for maximum reimbursement for physicians, offices and clinics. Preparation of CMS-1500 and UB-04 forms.
Prerequisite: MEDA 163 with a 2.5 or higher.

MEDA 208–Exit Testing for MEDA
Cr: 2  Wkly hrs: 2 hours Lecture
Demonstration of entry level skills for MEDA externship and a comprehensive theory examination.
Prerequisite: Completion of MEDA 111, 112, 120, 136, 168, 152 and 209 with a 2.5 or higher. Students completing the certificate program over two years must take this class the second year.

MEDA 209–Medical Office Emergencies
Cr: 2  Wkly hrs: 1 hours Lecture, 2 hours Lab
AHA Healthcare Provider CPR and Basic First Aid, infection control and medical asepsis, personal safety precautions, HIV/AIDS and bloodborne pathogens training and emergency preparedness.

MEDA 210–Practicum for Medical Assistants
Cr: 6  Wkly hrs: 18 hours Clinic
Students are placed in approved medical facilities for a supervised, unpaid office experience as a final preparation for working as a Medical Assistant.
Prerequisite: Completion of all required courses in the Medical Assisting program with a 2.5 or above in each course, concurrent enrollment in MEDA 211 and instructor permission. Proof of health insurance, healthcare provider level CPR, first aid certification, malpractice insurance and liability insurance are required to start the practicum.

MEDA 211–Human Relations/MEDA
Cr: 1  Wkly hrs: 1 hours Lecture
Discussion, problem-solving and evaluation of the clinical and administrative experiences gained in MEDA 210.
Prerequisite: Completion of all required courses in the Medical Assisting program with a 2.5 or above in each course, concurrent enrollment in MEDA 210 and instructor permission.

MEDA 213–Externship for Billing and Coding
Cr: 6  Wkly hrs: 18 hours Clinic
Students are placed in approved medical facilities for a supervised, unpaid office experience as a final preparation for working as a Billing/Coding Specialist. (Pass/No Credit)
Prerequisite: All previous required program courses must be completed within the last three years, with a cumulative GPA in these courses of 2.0 or better. Concurrent enrollment in MEDA 214 is required. Permission of the instructor is necessary.

MEDA 214–Human Relations for Billing/Coding
Cr: 2  Wkly hrs: 2 hours Lecture
Discussion, problem-solving and evaluation of the experience gained in MEDA 213.
Prerequisite: The student must have completed all other required medical assisting courses with a minimum cumulative grade point average of 2.0 in these courses. All required courses must be taken within the previous three years. Concurrent enrollment in MEDA 213 and instructor permission is required.

MEDA 215–Introduction to ICD-10-CM
Cr: 2  Wkly hrs: 1 hours Lecture, 2 hours Lab
An introduction to the new diagnostic coding system, ICD-10-CM which will be required beginning October 1, 2013. Key concepts, coding guidelines, and coding scenarios will be included. (Pass/No Credit)

**Meteorology**

MTEOR 101–Weather and Atmosphere
Cr: 5  Wkly hrs: 5 hours Lecture
NS - Study of atmospheric components, processes, and weather phenomena. Attention is given to measurement instruments, maps, and satellite images, including those on the Internet.
Prerequisite: ENGL 099 and MATH 094 must be passed with a 2.0 or better.

**Music**

MUSC 101–Fundamentals of Music
Cr: 5  Wkly hrs: 5 hours Lecture
H - The study of basic elements of music theory, to include but not limited to notation of music, key signatures, chords, scales, rhythms.

MUSC 102–History of American Popular Music
Cr: 5  Wkly hrs: 5 hours Lecture
H - Through readings, recordings, video, lecture, and live performances, the genres presented cover American Musical Theatre through modern Rock and Roll, and everything in-between.

MUSC 103–Concert Choir
Cr: 2  Wkly hrs: 1 hours Lecture, 2 hours Lab
Course can be offered as: MUSC 103/203.
H/SP - Study and performance of representative choral works of all musical style periods. May be repeated for up to 18 credits.

MUSC 105–Music Appreciation
Cr: 5  Wkly hrs: 5 hours Lecture
H/SP - Introduction to music in Western culture from the listener's point of perception. Recommended for students who wish to fulfill Humanities requirements in the area of music. Open to all students.

MUSC 106–Vocal Jazz Ensemble I (Jazzline)
Cr: 3  Wkly hrs: 1 hours Lecture, 4 hours Lab
Course can be offered as: MUSC 106/107/108 and 206/207/208.
H/SP - Study and performance of representative materials in the vocal jazz idiom.
Prerequisite: Audition.

MUSC 109–Jazz Band I
Cr: 2  Wkly hrs: 4 hours Lab
Course can be offered as: MUSC 109/110/111 and 209/210/211.
H/SP - Rehearsal, study, and performance of jazz from the big band era through modern fusion.
Prerequisite: Audition.

MUSC 117–Symphony Orchestra
Cr: 1  Wkly hrs: 2 hours Lab
Course can be offered as: MUSC 117/118/119 and 217/218/219.
H/SP - The study and performance of representative orchestral works of all style periods. A college and community orchestra. Approximately eight performances per year.
Prerequisite: Audition.

MUSC 120–Opera Production
Cr: 2  Wkly hrs: 1 hours Lecture, 2 hours Lab
Course can be offered as: MUSC 120/121/122 and 220/221/222.
H/SP - Rehearsal and performance of an opera or light opera. Performances will be fully staged and costumed and will be open to the public.
Prerequisite: Permission of instructor.

MUSC 123–Chamber Choir
Cr: 2  Wkly hrs: 4 hours Lab
Course can be offered as: MUSC 123/124/125 and 223/224/225.
H/SP - Advanced study and performance of choral works of all musical style periods.
Prerequisite: Audition only.

*See course description for prerequisite.*
MUSC 126–Vocal Jazz II
Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab
Course can be offered as: MUSC 126/127/128 and 226/227/228.
H/SP - Beginning study and performance of vocal jazz.

MUSC 133–Beginning Class Piano
Cr: 2 Wkly hrs: 2 hours Lecture
Course can be offered as: MUSC 133/134/135.
H/SP - Group and individualized instruction in keyboard techniques. Music theory and finger techniques taught and applied through piano performance.

MUSC 126–Class Guitar
Cr: 2 Wkly hrs: 2 hours Lecture
Course can be offered as: MUSC 136/137/138 and 236/237/238.
H/SP - Group instruction in guitar techniques. Music theory and elementary repertoire from various playing styles will be utilized. Student provides own instrument.

MUSC&141–Music Theory I
Cr: 5 Wkly hrs: 5 hours Lecture
H - A thorough overview of the fundamentals of music, pitch, harmony and rhythm.

MUSC&142–Music Theory II
Cr: 5 Wkly hrs: 5 hours Lecture
H - Extensive study of the basic elements of music and performance, chord structure, scales, harmonic analysis, rhythm-meter, and aural skills.
Prerequisite: MUSC& 141.

MUSC&143–Music Theory III
Cr: 5 Wkly hrs: 5 hours Lecture
H - Extensive study of chromaticism in the diatonic structure of music and performance, chord structure, scales, harmonic analysis, rhythm-meter, and aural skills.
Prerequisite: MUSC& 142.

MUSC 144–Wind Ensemble
Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab
Course can be offered as: MUSC 144/145/146 and 244/245/246.
H/SP - Rehearsal and performance of chamber/wind literature from classical through contemporary mediums. Open to all students and community members, based upon ability.

MUSC 150–Beginning Sight Reading
Cr: 1 Wkly hrs: 1 hours Lecture
H - Students will study rhythms and melodic and harmonic intervals. Students will be given music to read on-sight. Students will apply music theory to singing and rhythm reading.
Prerequisite: Permission of instructor.

MUSC 185–Music in Film and Television
Cr: 5 Wkly hrs: 5 hours Lecture
H - This course is an exploration of music in film and television. Students will develop and demonstrate methods for analyzing what they hear, leading to the recognition of the unique compositional styles of various film and television music composers. Students will trace the evolution of music in film and television to the present day encompassing Hollywood films, Independent, and International films and respective composers.

MUSC 187–Introduction to Ethnomusicology
Cr: 5 Wkly hrs: 5 hours Lecture
H - Introduces the student to the fundamentals of ethnomusicological theory and method, emphasizing the foundational role of Native American studies.

MUSC 188–Introduction to World Music
Cr: 5 Wkly hrs: 5 hours Lecture
H - An exploration of traditional and urban ethnic music of selected cultures of the world.

MUSC 189–Introduction to Jazz History
Cr: 5 Wkly hrs: 5 hours Lecture
H - A survey of the ethnic sources of jazz and influences on art and pop music of the U.S. and the world.

MUSC 233–Intermediate Class Piano
Cr: 2 Wkly hrs: 2 hours Lecture
Course can be offered as: MUSC 233/234/235.
H/SP - Group and individualized instruction in keyboard techniques. Music theory and finger techniques taught and applied through piano performance.
Prerequisite: Permission of instructor and/or MUSC 133/134/135.

MUSC 239–Jazz Musicianship I
Cr: 4 Wkly hrs: 4 hours Lecture
H - Extensive study of the basic elements of jazz music and performance. Jazz scales and their use, chord structure, rhythmic structure, and aural skills will be covered.

MUSC 240–Jazz Musicianship II
Cr: 4 Wkly hrs: 4 hours Lecture
H - Extensive study of the basic elements of jazz music and performance. Jazz scales and their use, chord structure, rhythmic structure, and aural skills will be covered.
Prerequisite: MUSC 239.

MUSC&241–Music Theory IV
Cr: 5 Wkly hrs: 5 hours Lecture
H - Discovery of chromatic harmony in the common practice period through analysis, composition, and performance.
Prerequisite: MUSC& 143.

MUSC&242–Music Theory V
Cr: 5 Wkly hrs: 5 hours Lecture
H - Discovery of style of the 18th Century by Mazas, Kreutzer, Fiorillo, and Rade. Also, contemporary music.

MUSC 247A–Clarinet/Low Woodwinds
Cr: 2 Wkly hrs: 2 hours Lecture
H - Individual instruction for clarinet/low woodwinds.
Prerequisite: Permission of instructor.

MUSC 247B–Jazz Piano
H/SP - Individual instruction for jazz piano.
Prerequisite: Permission of instructor.

MUSC 239–Jazz Ensembles
Cr: 2 Wkly hrs: 2 hours Lecture
H - Extensive study of the basic elements of jazz music and performance. Jazz scales and their use, chord structure, rhythmic structure, and aural skills will be covered.

MUSC 240–Jazz Musicianship II
Cr: 4 Wkly hrs: 4 hours Lecture
H - Extensive study of the basic elements of jazz music and performance. Jazz scales and their use, chord structure, rhythmic structure, and aural skills will be covered.
Prerequisite: MUSC 239.

MUSC&241–Music Theory IV
Cr: 5 Wkly hrs: 5 hours Lecture
H - Discovery of chromatic harmony in the common practice period through analysis, composition, and performance.
Prerequisite: MUSC& 143.

MUSC&242–Music Theory V
Cr: 5 Wkly hrs: 5 hours Lecture
H - Discovery of style of the 18th Century by Mazas, Kreutzer, Fiorillo, and Rade. Also, contemporary music.
Prerequisite: MUSC& 143.

MUSC 247A–Clarinet/Low Woodwinds
Cr: 2 Wkly hrs: 2 hours Lecture
H - Individual instruction for clarinet/low woodwinds.
Prerequisite: Permission of instructor.

MUSC 239–Jazz Ensembles
Cr: 2 Wkly hrs: 2 hours Lecture
H - Extensive study of the basic elements of jazz music and performance. Jazz scales and their use, chord structure, rhythmic structure, and aural skills will be covered.

MUSC 240–Jazz Musicianship II
Cr: 4 Wkly hrs: 4 hours Lecture
H - Extensive study of the basic elements of jazz music and performance. Jazz scales and their use, chord structure, rhythmic structure, and aural skills will be covered.
Prerequisite: MUSC 239.

MUSC&241–Music Theory IV
Cr: 5 Wkly hrs: 5 hours Lecture
H - Discovery of chromatic harmony in the common practice period through analysis, composition, and performance.
Prerequisite: MUSC& 143.

MUSC&242–Music Theory V
Cr: 5 Wkly hrs: 5 hours Lecture
H - Discovery of style of the 18th Century by Mazas, Kreutzer, Fiorillo, and Rade. Also, contemporary music.
Prerequisite: MUSC& 143.

Private Music Lessons:
Each course may be taken for .5 or 1 credit per quarter and may be repeated for up to 6 credits.

MUSC 147A–Electric Bass
H/SP - Individual instruction for electric bass.
Prerequisite: Permission of instructor.

MUSC 147B–Piano
H/SP - Individual instruction for piano.

MUSC 147C–Voice
H/SP - Individual instruction for voice.
Prerequisite: Permission of instructor.

MUSC 147D–String Instruments
H/SP - Course consists of scales, bowing technique, sight-reading, double stops, etc. Studies by Mazas, Kreutzer, Fiorillo, and Rade. Also, easier solos to the more difficult repertoire are studied.
Prerequisite: Permission of instructor.

MUSC 147E–Saxophone/Clarinet
H/SP - Individual instruction for saxophone/clarinet.

MUSC 147F–Brass Instruments
H/SP - Individual instruction for brass instruments.

MUSC 147G–Percussion Instruments
H/SP - Individual instruction for percussion instruments.

MUSC 147H–Classical Guitar
H/SP - Private instruction in basic musicianship as it applies to classical guitar and its role in contemporary music.

MUSC 147I–Guitar
H/SP - Individual instruction for guitar.
Prerequisite: Permission of instructor.

MUSC 147J–Clarinet/Low Woodwinds
H/SP - Individual instruction for clarinet/low woodwinds.

MUSC 147K–Low Brass
H/SP - Individual instruction for low brass.

MUSC 147M–Flute
H/SP - Individual instruction for flute.

MUSC 147P–Jazz Piano
H/SP - Individual instruction for jazz piano.
Prerequisite: Permission of instructor.

MUSC 147Q–Composition/Arranging
H/SP - Individual instruction in composition/arranging.

Nursing
associate degree nursing program admission not required for the following four courses:

NURSE 102–PubMed/CINAHL Database Search Skills
Cr: 2 Wkly hrs: 2 hours Lecture
A course which prepares the health-care provider to identify and use evidence-based research and perform in-depth health literature database searches in CINAHL and PubMed using controlled vocabularies.

NURSE 151–Dosage Calculations
Cr: 1 Wkly hrs: 1 hours Lecture
Mathematical computations used for medication administration and intravenous therapy in clinical practice.
Prerequisite: Completion of BIOL & 241 with a 2.0 or higher.

NURSE 152–Introduction to Pharmacology
Cr: 1 Wkly hrs: 1 hours Lecture
Examines the basics of clinical pharmacology.
Prerequisite: Completion of BIOL & 241 with a 2.0 or higher.
Course Descriptions

ADN Nursing Program Courses
Prerequisite: Admission to the Nursing Program.
NOTE: A grade of 2.2 (80%) or higher is required in all Nursing courses (Exception: 3.7 or higher is required in NURSE 151) for continuation in the Nursing Program.

First Year Winter Quarter:
Prerequisite: Successful completion of or concurrent enrollment in the following courses (NURSE 110, 114, 140, 144, 146, 151, 152, 154, 156).

NURSE 110—Professional Role Development I
Cr: 2 Wkly hrs: 2 hours Lecture
Introduction to the professional concepts of nursing including concept mapping, role of the student nurse, legal issues, critical thinking and learning styles.

NURSE 114—Nursing Communications
Cr: 2 Wkly hrs: 2 hours Lecture
An introduction to the Nurse/Client relationship, principles of communication and interviewing, assertiveness, and stress and adaptation.

NURSE 140—Clinical Applications Lab I
Cr: 1 Wkly hrs: 2 hours Lab
First in a series of 3 courses. Students learn and demonstrate, verbalize, and document direct nursing skills within a faculty-facilitated laboratory environment.

NURSE 144—Physical Assessment in Nursing Lab
Cr: 1 Wkly hrs: 2 hours Lab
The course provides the foundation for performance of physical assessments, the basis of nursing decisions and actions. Assessment principles and their role in nursing process are stressed.

NURSE 146—Nursing Care of the Older Adult
Cr: 1 Wkly hrs: 1 hours Lecture
Introduces students to the growth, development, cognitive and physiological changes of the older adult. The concept of ageism and theory regarding dementia will be introduced.

NURSE 151—Dosage Calculations
Cr: 1 Wkly hrs: 1 hours Lecture
Mathematical computations used for medication administration and intravenous therapy in clinical practice.

NURSE 152—Introduction to Pharmacology
Cr: 1 Wkly hrs: 1 hours Lecture
Examines the basics of clinical pharmacology.

NURSE 154—Nursing Foundations
Cr: 3 Wkly hrs: 3 hours Lecture
Introduces Nursing Students to the conceptual underpinnings needed to develop a personal and professional Nursing theoretical framework, focusing on well clients and maximizing the health potential of clients in their environment.

NURSE 156—Clinical Nursing Practice I
Cr: 3 Wkly hrs: 6 hours Lab
Student will develop professional relationships, critical thinking, and nursing assessment abilities. Emphasis on verbal/ written documentation using appropriate medical language/ theory.

First Year Fall Quarter:
Prerequisite: Successful completion of or concurrent enrollment in the following courses (NURSE 112, 116, 142, 156, 180, 182):

NURSE 112—Professional Role Development II
Cr: 1 Wkly hrs: 1 hours Lecture
Examines professional nursing concepts including the role of the nurse, inter-disciplinary relationships, and the nursing process.

NURSE 116—Nursing Ethics I
Cr: 1 Wkly hrs: 1 hours Lecture
Beginning concepts of ethical reasoning, including the values, principles, and guidelines on which nurses base ethical decision-making.

NURSE 118—Nutrition for Professional Nursing
Cr: 2 Wkly hrs: 2 hours Lecture
Professional nurse’s role in nutritional assessment, client education, dietary requirements for wellness and modifications for physical conditions throughout the lifespan.

Alternate prerequisite: Permission of instructor.

NURSE 142—Clinical Applications Lab II
Cr: 1 Wkly hrs: 2 hours Lab
This course prepares students to perform skills necessary for care of clients in acute and long term care facilities.

NURSE 158—Clinical Nursing Therapeutics
Cr: 4 Wkly hrs: 4 hours Lecture
Introduces concepts for promoting healthy physiological responses in clients. A nursing process framework will be utilized to foster critical thinking in the nursing role.

NURSE 160—Clinical Nursing Practice II
Cr: 5 Wkly hrs: 10 hours Lab
Will provide experiences with clients who have alterations in basic physiological functioning. Emphasis on utilizing the nursing process and evidence based nursing interventions.

NURSE 182—Chronic Health Problems in Elderly
Cr: 1 Wkly hrs: 1 hours Lecture
Link pathophysiological changes related to diseases in the elderly and nursing care to facilitate positive adaptations in the client’s response.

First Year Spring Quarter:
(OR Second Year Fall Quarter)
Prerequisite: Successful completion of NURSE 180, 181, and 202; or concurrent enrollment in the following courses (NURSE 176, 177, 178, 179):

NURSE 176—Nursing Care of Pediatric Clients
Cr: 3 Wkly hrs: 3 hours Lecture
Prepares students to care for pediatric clients, focusing on promotion and maintenance of family health, related to the physical, psychosocial, and emotional development of children.

NURSE 177—Pediatric Clinical
Cr: 3 Wkly hrs: 6 hours Lab
Allows students to provide direct care of pediatric clients and families, applying theoretical concepts learned in NURSE 176, in a variety of clinical settings.

NURSE 178—Maternal-Newborn Nursing
Cr: 3 Wkly hrs: 3 hours Lecture
Introduction of the professional nurse’s role during the perinatal period. Includes clients who are experiencing complications and women’s health issues.

NURSE 179—Maternal-Newborn Clinical
Cr: 3 Wkly hrs: 6 hours Lab
Application of theoretical content to care of perinatal and gynecology clients. Utilization of nursing process and critical thinking in the clinical setting.

NURSE 174—Mental Health Clinical
Cr: 3 Wkly hrs: 6 hours Lab
Students will apply the nursing process, crisis intervention, and therapeutic communication techniques in caring for clients with alterations in mental health.

NURSE 180—Medical Surgical Nursing I
Cr: 4 Wkly hrs: 4 hours Lecture
Prepares students to care for adult medical-surgical clients in acute and outpatient clinical settings. Builds on the foundation learned in NURSE 154 and NURSE 158.

NURSE 181—Medical Surgical Clinical
Cr: 3 Wkly hrs: 6 hours Lab
Provides students with opportunities to apply theoretical concepts learned in NURSE 180 and to utilize the nursing process primarily with adult clients in an acute care setting.

NURSE 202—Clinical Applications Lab III
Cr: 1 Wkly hrs: 2 hours Lab
The course prepares students to perform certain nursing care procedures and to manage clients with various types of therapies involving equipment. A nursing process framework is utilized.

Second Year Fall Quarter
Prerequisite: Successful completion of NURSE 176, 177, 178, and 179; or successful completion of 1st year winter quarter nursing courses.

NURSE 178—Maternal-Newborn Nursing
Cr: 3 Wkly hrs: 3 hours Lecture
Provides students with experiences with clients who have alterations in basic physiological functioning. Emphasis on utilizing the nursing process and evidence based nursing interventions.

NURSE 182—Chronic Health Problems in Elderly
Cr: 1 Wkly hrs: 1 hours Lecture
Link pathophysiological changes related to diseases in the elderly and nursing care to facilitate positive adaptations in the client’s response.

First Year Winter Quarter:
Prerequisite: Continuation in the Nursing Program and successful completion of 1st year fall quarter nursing courses.

NURSE 172—Mental Health Theory
Cr: 3 Wkly hrs: 3 hours Lecture
Presents the nurse’s role in assessing and intervening with clients who, as a result of a mental illness, have alterations in mood, personal identity, and coping.
Second Year Winter Quarter:
Prerequisite: Continued enrollment in the Nursing Program and successful completion of 2nd year fall quarter nursing courses. Successful completion of or concurrent enrollment in NURSE 200, 204, 208, and 210.

NURSE 200–Professional Role Development III
Cr: 1 Wkly hrs: 1 hours Lecture
Examines concepts of leadership and management utilized by the RN in providing care to a group of clients and in the role of team leader.

NURSE 204–Nursing Ethics II
Cr: 1 Wkly hrs: 1 hours Lecture
The student will apply ethical theory, concepts, and decision-making processes to client case studies.

NURSE 206–Nursing Practice Application (Optional)
Cr: 1 Wkly hrs: 2 hours Lab
Facilitate students practicing simulation and nursing skills on a drop in basis and in a self-directed manner throughout fifth quarter for a minimum of 20 hours.
Prerequisite: Currently enrolled in NURSE 208 and 210.

NURSE 208–Medical Surgical Nursing II
Cr: 4 Wkly hrs: 4 hours Lecture
Links pathophysiological changes related to particular disease entities and the client care needed to facilitate positive adaptation in the client's response.

NURSE 210–Clinical Nursing Practice III
Cr: 5 Wkly hrs: 10 hours Lab
Integration of previous learning and application of theoretical concepts to clinical practice with emphasis on critical thinking and the nursing process.

Second Year Spring Quarter:
Prerequisite: Continued enrollment in the Nursing Program and successful completion of 2nd year winter quarter nursing courses. NURSE 211 must be taken concurrently with NURSE 212.

NURSE 211–Professional Role Development Seminar
Cr: 2 Wkly hrs: 2 hours Lecture
Seminar will focus on group collaboration and topics to aid in transition from student to RN role.

NURSE 212–Professional Role Development/Mentor
Cr: 8 Wkly hrs: 16 hours Lab
Prepares students to manage care for clients in a long term care facility and to gain additional experience in direct patient care utilizing a mentorship program.

NURSE 252–Pharmacology Review (Optional)
Cr: 2 Wkly hrs: 2 hours Lecture
A review to enhance the student’s clinical nursing practice application of pharmacology.
Alternate prerequisite: NURSE 152 or permission of the instructor.

Oceanography
OCEA&101–Intro to Oceanography
Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab
NS - Quantitative and descriptive study of the oceans and their physics, chemistry, geology, and biology. Laboratory includes extensive field work.

Organizational Leadership/Resource Management
OLRM 103–Explore Your Strengths
Cr: 1 Wkly hrs: 1 hours Lecture
Explore your signature strengths based on a study of behavioral preferences linked to research by the Gallup Organization; apply to life and work situations. (Pass/No Credit)

OLRM 105–Appreciating Diversity
Cr: 1 Wkly hrs: 1 hours Lecture
Explores the various dimensions of diversity (gender, race, culture, etc.); fosters appreciation for the value of diversity in our living, learning and working communities. (Pass/No Credit)

OLRM 150–Improving Human Effectiveness
Cr: 2 Wkly hrs: 2 hours Lecture
Organizational performers are clear on their strengths and how they can be used in personal/professional settings. Explores how strengths can create a fulfilling career and life. (Pass/No Credit)

OLRM 160–Intro/Federal Civil Service HR
Cr: 3 Wkly hrs: 3 hours Lecture
Introduces students to the foundational concepts of Federal Civil Service Human Resources.

OLRM 197–Leadership Practicum
Cr: 3 Wkly hrs: 3 hours Lecture
A practical application in the working world of the basic theories studied in the above program or discipline.

OLRM 201–Intro to Organizational Leadership
Cr: 5 Wkly hrs: 5 hours Lecture
Introduction to leadership within organizations, history of leadership studies, leadership theories, case studies, vision, understanding relationships of leadership, motivation, and power.

OLRM 202–Introduction to Organizational Ethics
Cr: 5 Wkly hrs: 5 hours Lecture
Introduction to organizational ethics, understanding the correlation between leadership/management practice and the reflectiveness of moral philosophy, applying ethical decision making model to ethical dilemmas.

OLRM 205–Managing Diversity
Cr: 3 Wkly hrs: 3 hours Lecture
The various dimensions of diversity (gender, race, culture, etc.) from a personal, managerial and organizational perspective; examines the opportunities to grow.

OLRM 216–Strategic Planning for Leaders
Cr: 3 Wkly hrs: 3 hours Lecture
Explores the structure and processes leaders must utilize to engage in successful strategic planning wthfor their organizations.
Prerequisite: OLRM 201.

OLRM 218–Systems Thinking for Leaders
Cr: 3 Wkly hrs: 3 hours Lecture
Exploring how leaders impact and/or change organizations by understanding the patterns and relationships at work within their organizations.
Prerequisite: OLRM 201.

OLRM 220–Human Relations in the Workplace
Cr: 3 Wkly hrs: 3 hours Lecture
The study of interactions between people at the workplace. Focus on developing skills to work effectively as a team member and part of an organization.

OLRM 225–Human Relations in Organizations
Cr: 5 Wkly hrs: 5 hours Lecture
The study of interactions between people in organizational settings. The course focuses on developing skills to communicate effectively with other people as an individual, group, and a team member including verbal, non-verbal language, and listening skills.

OLRM 230–Starting a Non-Profit Organization
Cr: 3 Wkly hrs: 3 hours Lecture
The components and processes necessary to begin a non-profit organization.

OLRM 231–Intro to Non-Profit Organizations
Cr: 3 Wkly hrs: 3 hours Lecture
The concepts and structures of the non-profit organization including vision, mission, organizational structure, and societal significance.

OLRM 232–Executive Directors and Non-Profits
Cr: 3 Wkly hrs: 3 hours Lecture
The roles and responsibilities of the Non-Profit Executive Director including vocation, mission, networking, strategies, board-development, and funding.

OLRM 233–Funding/Grant Writing for Non-Profits
Cr: 3 Wkly hrs: 3 hours Lecture
The strategies and processes for supporting non-profit funding/development including grant writing basics and approaches.

OLRM 234–Volunteers and Non-Profits
Cr: 3 Wkly hrs: 3 hours Lecture
The importance of volunteers and non-profit organizations. Explore strategies and processes for recruiting, training, and retaining non-profit volunteers.

OLRM 235–Leadership and Applied Ethics
Cr: 3 Wkly hrs: 3 hours Lecture
An exploration of the unique ethical dilemmas facing leaders in a variety of organizational contexts.

OLRM 240–Learning Orgs/Intro to Systs Thinking
Cr: 3 Wkly hrs: 3 hours Lecture
Provides the knowledge and practice to understand how organizations work as systems and how to change organizations by intervening in the organizational system.
Course Descriptions

OLRM 250—Organizational Communication Cr: 5 Wkly hrs: 5 hours Lecture
Presents concepts of organizational communication based on a competency-based approach incorporating personal knowledge, interpersonal sensitivity, communications skills, and ethical values.

OLRM 260—Conflict Resolution Cr: 5 Wkly hrs: 5 hours Lecture
Provides the knowledge and practice to master the skills necessary to manage conflict, encourage cooperation, and create workable solutions.

OLRM 270—Organizational Change Cr: 5 Wkly hrs: 5 hours Lecture
Provides insights and practical tools for those involved in organizational change. Bridges current theory with practical applications; conceptual models with concrete examples.

OLRM 272—Foundations of Supervision Cr: 5 Wkly hrs: 5 hours Lecture
An introduction to the fundamental theories, strategies, and practices of supervision in a variety of organizational environments.

OLRM 280—Global Leadership Foundations Cr: 5 Wkly hrs: 5 hours Lecture
An introduction to global leadership focusing on the similarities and differences of leadership knowledge and practice across culture.

OLRM 320—Business/Leadership—Digital Economy Cr: 5 Wkly hrs: 5 hours Lecture
Students explore the impact of digital technologies on business processes to understand their leadership role in various organizations and professional-technical fields. Topics will focus on how leadership skills and practices support the implementation of new digital technologies in various business contexts, and how leadership, digital technologies and innovation intersect in the evolving business environment. Students will research and analyze how converging technologies, including mobile devices, cloud services, social media, search engine optimization and the emerging Internet of things, shape business functions such as customer and vendor relationships, marketing, process monitoring and optimization, and virtual collaboration.

Prerequisite: Acceptance into the BAS program.

PARED 115—Parent Education Cooperatives Cr: 1-2 Wkly hrs: 1 hours Lecture, 2 hours Lab
Course can be offered as: PARED 115/116/117.
Parents learn about child development and positive guidance from instructor, class discussions, or other activities. Topics selected based on individual needs/ages of children. (Pass/No Credit)
Prerequisite: Child enrolled in OC Parent Child Co-Op Preschool or OC Child Care or permission of instructor.

PARED 130—Becoming a Love and Logic Parent Cr: 2 Wkly hrs: 2 hours Lecture
Practical strategies for reducing behavior problems, increasing motivation, and building assets that contribute to lifelong responsibility and resiliency.

Prerequisite: Approval to be in Pharmacology Technician program.

PHARM 101—Introduction to Pharmacy Technician Cr: 3 Wkly hrs: 3 hours Lecture
This course introduces students to practice roles of pharmacy technicians. Employment opportunities, medical terminology, drug dosage forms, IV infusion, introduction to prescription interpretation and pharmacy law are emphasized.

PHARM 115—Mathematics for Pharmacy Technician Cr: 5 Wkly hrs: 5 hours Lecture
Students are introduced to the application of basic math skills to real-life scenarios in pharmacy technician career fields. This course includes review of basic skills, followed by applications of dosage calculations for IVs, tablets, liquids and injectables. Students are also introduced to the applications of math skills determined by body surface area, chemotherapy and pediatric dosing.

PHARM 119—Pharmacology Cr: 3 Wkly hrs: 3 hours Lecture
Students learn to identify drugs normally used in hospital and retail pharmacy settings. Therapeutic drug classifications, routes of administration, codes and abbreviations, and correct drug name spelling are emphasized. Students also learn to distinguish between generic and trade (brand) names of drugs.

PHARM 122—Advanced Pharmacology Cr: 5 Wkly hrs: 5 hours Lecture
Students learn to categorize the top 200 drugs into the major therapeutic classifications; distinguish between generic and brand names of drugs; identify accepted dosage forms, routes and dosing intervals of each drug. Human medical conditions relating to anatomy and physiology are emphasized.

Prerequisite: PHARM 119 with a 2.0 grade or better.

PHARM 123—Hospital Pharmacy Dispensing and Management Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab
Students learn to assist the pharmacist with preparing and dispensing prescription drugs within the hospital setting. Verbal and written communication skills are emphasized. Students are introduced to appropriate inventory control and purchasing.

Prerequisite: PHARM 101, 119 with a 2.0 grade or better.

PHARM 124—Community Pharmacy Dispensing and Management Cr: 3 Wkly hrs: 2 hours Lecture, 2 hours Lab
This course prepares students to develop the knowledge and skills needed to assist the pharmacist in preparing and dispensing prescription drugs in a community pharmacy setting. Verbal and written communications skills, prescription interpretation, and third party billing are emphasized.

Prerequisite: PHARM 101, 119 with a 2.0 grade or better.

PHARM 130—Entering the Work Environment Cr: 2 Wkly hrs: 2 hours Lecture
This course prepares students for success in health careers. Students learn job-readiness skills including work ethics, professionalism, resume writing, communication skills and self-esteem.

Prerequisite: PHARM 122, 123, 124 with a 2.0 grade or better.

PHARM 131—Pharmacy Law and Ethics Cr: 3 Wkly hrs: 3 hours Lecture
Students learn the law relating to pharmacy, agencies that regulate pharmacy practice and quality assurance.

Prerequisite: PHARM 101 with a 2.0 grade or better.

PHARM 132—Community Pharmacy Cr: 6 Wkly hrs: 1 hours Lecture, 10 hours Lab
The course introduces students to the procedures permitted the pharmacy technician in the state of Washington regarding community pharmacy.

Prerequisite: PHARM 122, 123, 124 with a 2.0 grade or better.

PHARM 133—Hospital Pharmacy Cr: 6 Wkly hrs: 1 hours Lecture, 10 hours Lab
This course offers practical clinical to perfect students’ competence in performing pharmacy technician functions that take place under direct supervision of the pharmacist. Students work in a hospital pharmacy assisting the pharmacist.

Prerequisite: Completion of all prior required courses with a 2.0 grade or better.

Philosophy

PHIL&101—Intro to Philosophy Cr: 5 Wkly hrs: 5 hours Lecture
HSS—Introduction to philosophical questions that deal with rational inquiry in the various areas of philosophical study: metaphysics, epistemology, ethics, religion, and other areas.

PHIL&115—Critical Thinking Cr: 5 Wkly hrs: 5 hours Lecture
HSS—Emphasis on analyzing, evaluating, and constructing thought in a clear logical fashion with application to other fields. A non-symbolic approach to logic and critical thinking. (Formerly PHIL 115)

PHIL&120—Symbolic Logic Cr: 5 Wkly hrs: 5 hours Lecture
NS/SS—Introduction to symbolic logic with focus on sentence logic with proofs and predicate logic with quantifiers and proofs. (Formerly PHIL& 106)
Prerequisite: MATH 099 with a 2.0 or better.
PHIL 240—Intro to Ethics  
Cr: 5 Wkly hrs: 5 hours Lecture  
HSS - Course will examine the development of moral philosophy, representing a broad range of some of the key ideas and thinkers as they have come to influence moral and ethical choices.

Physical Education—Education  

PE-ED 104—Health Science  
Cr: 2 Wkly hrs: 2 hours Lecture  
Survey course of health issues: emotional and physical health topics, drug abuse, lifestyle diseases, sexuality issues, consumerism, environmental/occupational health, and death and dying.

PE-ED 105—College First Aid and Community CPR  
Cr: 3 Wkly hrs: 3 hours Lecture  
Study of prevention of heart disease and practical skills leading to First Aid & CPR certifications. Students engage in writing and oral presentation projects.

PE-ED 106—Infant-Child CPR/First Aid  
Cr: 2 Wkly hrs: 2 hours Lecture  
Expanded course in Infant/Child CPR and First Aid, using American Red Cross (ARC) standards. Successful completion of ARC written and skill tests can lead to Red Cross certification.

PE-ED 107—Personal Wellness  
Cr: 3 Wkly hrs: 3 hours Lecture  
Focus on major wellness factors (stress management, tobacco use, nutrition, and fitness) as they impact individuals. Students engage in internet/library research, writing and presentation projects.

PE-ED 109—Basic CPR  
Cr: 1 Wkly hrs: 1 hours Lecture  
Course is Basic Adult CPR using American Red Cross (ARC) Standards.

PE-ED 110—Basic First Aid  
Cr: 1 Wkly hrs: 1 hours Lecture  
Course in Basic First Aid using American Red Cross (ARC) Standards. (Pass/No Credit)

PE-ED 112—CPR/AED for Professional Rescuers  
Cr: 2 Wkly hrs: 2 hours Lecture  
Course in CPR for Professional Rescuers and Health Care Providers. Course follows American Red Cross (ARC) standards. (Pass/No Credit)

PE-ED 125—Sport Psychology  
Cr: 3 Wkly hrs: 3 hours Lecture  
Introduction to applied strategies of sport and exercise psychology. Techniques such as goal setting, imagery, and self talk will be discussed as a means to increase performance.

PE-ED 126—Introduction to Coaching  
Cr: 3 Wkly hrs: 3 hours Lecture  
Provide students with the knowledge of the critical components involved in the profession of coaching.

Physical Education—Fitness and Sports  

PEFSP 100—Aerobics Weight Training/Conditioning  
Cr: 1 Wkly hrs: 2 hours Lab  
Physical fitness improvement through resistance training and cardiovascular exercise. (Pass/No Credit)

PEFSP 106—Golf  
Cr: 1 Wkly hrs: 2 hours Lab  
Course can be offered as: PEFSP 106/206. Course emphasizes the fundamental skills of golf, proper equipment usage, etiquette, and rules necessary to play golf as a recreational sport.

PEFSP 109—Self Defense  
Cr: 1 Wkly hrs: 2 hours Lab  
Course can be offered as: PEFSP 109/209. Course emphasizes the fundamental skills necessary to defend yourself and/or others in the event you are confronted by an attacker/assailant.

PEFSP 110—Karate  
Cr: 1 Wkly hrs: 2 hours Lab  
Course can be offered as: PEFSP 110/210. Emphasizes the fundamental skills of karate and develops an understanding of karate as an art form.

PEFSP 111—Tai Chi  
Cr: 1 Wkly hrs: 2 hours Lab  
Course can be offered as: PEFSP 111/211. This course will be an introduction to the study of Tai Chi focusing on the philosophy and postures of this martial art.

PEFSP 120—SCUBA Diving  
Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab  
Course can be offered as: PEFSP 120/220. Course provides the skills and knowledge of SCUBA diving necessary for safe diving in local or tropical waters. Certification arrangements may be made upon satisfactory course performance.  
Prerequisite: 16 years of age and pass swimming test.

PEFSP 128—Basketball  
Cr: 2 Wkly hrs: 4 hours Lab  
Course can be offered as: PEFSP 128/228. Emphasizes the fundamental skills of basketball, team strategies of offense and defense and rules necessary to play basketball as a recreational sport.

PEFSP 132—Volleyball  
Cr: 2 Wkly hrs: 4 hours Lab  
Course can be offered as: PEFSP 132/232. Course emphasizes the fundamental skills of volleyball, offenses, defenses, and rules necessary to play volleyball as a recreational sport.

PEFSP 135—Team-Soccer  
Cr: 2 Wkly hrs: 4 hours Lab  
Course can be offered as: PEFSP 135/235. Introduction to the fundamentals required to play Soccer. Emphasis on practical, skill-based training, technique and knowledge. For students interested in playing Soccer.

PEFSP 140—Beginning Yoga  
Cr: 2 Wkly hrs: 4 hours Lab  
Introduction to the theory and practice of yoga as a form of exercise, relaxation and improved posture. This course will help provide a foundation for sound physical and emotional health.

PEFSP 142—Intermediate Yoga  
Cr: 2 Wkly hrs: 4 hours Lab  
Provides further exploration into the practice of yoga. Additional postures and exercises designed to achieve strength, flexibility, and proper body alignment will be presented.

PEFSP 145—Aerobic Fitness and Conditioning  
Cr: 2 Wkly hrs: 4 hours Lab  
Course can be offered as: PEFSP 145/245. Explores the concepts of improving aerobic fitness and function. Uses vigorous exercise (including running, jumping, aerobic dance, step, conditioning equipment, and outdoor exercise) and related assignments.

PEFSP 148—Zumba Fitness  
Cr: 1 Wkly hrs: 2 hours Lab  
Course can be offered as: PEFSP 148/248. Zumba Fitness is a combination of Latin music and dance patterns which create a dynamic and effective fitness program. Routines include interval training of fast and slow rhythms.

PEFSP 153—Fast Fitness  
Cr: 2 Wkly hrs: 4 hours Lab  
Course can be offered as: PEFSP 153/253. Self-paced fitness class incorporating both resistance training and cardiovascular exercise.

PEFSP 171—Distance Track  
Cr: 2 Wkly hrs: 4 hours Lab  
Course can be offered as: PEFSP 171/271. Theory and conditioning for training and racing individually and as a team, necessary for successful competition. Track team students participating on the Varsity Track Team.

PEFSP 175—Jogging  
Cr: 2 Wkly hrs: 4 hours Lab  
Course can be offered as: PEFSP 175/275. Exploration of concepts of improving lifetime aerobic fitness. Students will jog a variety of distances and courses with sufficient stimulus to produce aerobic fitness.

PEFSP 178—Aerobic Walking  
Cr: 2 Wkly hrs: 4 hours Lab  
Course can be offered as: PEFSP 178/278. Exploration of concepts for improving lifetime aerobic fitness. Students will walk a variety of distances and courses with sufficient stimulus to produce aerobic fitness.

PEFSP 181—Weight Management and Exercising  
Cr: 3 Wkly hrs: 1 hours Lecture, 4 hours Lab  
Course can be offered as: PEFSP 181/281. For students ten or more pounds overweight who want to develop an exercise program for fitness and learn concepts for weight management.

PEFSP 183—TRX Suspension Training  
Cr: 1 Wkly hrs: 2 hours Lab  
Explores the concepts of improving strength, flexibility, balance and mobility utilizing the body’s own weight.
PEFSP 184—Introduction to Kettlebells
Cr: 1 Wkly hrs: 2 hours Lab
Course emphasizes safe and effective use of kettlebells. Students will be introduced to exercises including the swing, goblet squat and get-up.

PEFSP 187—Beginning Weight Training
Cr: 2 Wkly hrs: 4 hours Lab
Introduction to the basic principles of weight training. Students will learn how to use selected machines and free weights, as well as learn how to incorporate them into a comprehensive workout program.

PEFSP 189—Advanced Weight Training
Cr: 3 Wkly hrs: 1 hour Lecture, 4 hours Lab
Course can be offered as: PEFSP 189/289.
Course emphasizes advanced strength training techniques. Students will primarily utilize free weights, including Olympic platforms, with an emphasis on strength improvement.

PEFSP 190—Athletic Conditioning I
Cr: 2 Wkly hrs: 4 hours Lab
Prepares pre-season student athletes competing in intercollegiate sports at Olympic College through cardiovascular and flexibility training.

PEFSP 191—Athletic Conditioning II
Cr: 2 Wkly hrs: 4 hours Lab
Prepares student athletes competing in intercollegiate sports at Olympic College through general and sport specific strength development.

PEFSP 192—Athletic Conditioning III
Cr: 2 Wkly hrs: 4 hours Lab
Prepares student athletes competing in intercollegiate sports at Olympic College through sport specific movement and speed development.

PEFSP 289—Advanced Weight Training
Cr: 3 Wkly hrs: 1 hour Lecture, 4 hours Lab
Course can be offered as: PEFSP 289/299.
Course emphasizes advanced strength training techniques. Students will primarily utilize free weights, including Olympic platforms, with an emphasis on strength improvement.

Physical Education—Recreation and Dance

PE-RD 147—Ballroom/Swing Dance
Cr: 1 Wkly hrs: 2 hours Lab
Course can be offered as: PE-RD 147/247.
The history and cultural background in the Fox trot, Waltz, Swing, Rumba, Cha-Cha, Samba, and Tango dances. Includes technique, choreography, postural development/body placement, and terminology.

PE-RD 170—Backpacking and Survival
Cr: 3 Wkly hrs: 1 hour Lecture, 4 hours Lab
Explore topics related to camping, travel and survival techniques in the outdoors. Includes a minimum of 6 hiking/backpacking field trips.

PE-RD 172—Basic Mountaineering
Cr: 5 Wkly hrs: 2 hours Lecture, 6 hours Lab
Techniques in snow and rock climbing; field trips including exercises to develop proficiency in individual and team skills. Highest emphasis is placed on safety, confidence and responsibility in difficult terrain.

PE-RD 175—Basic Rock Climbing
Cr: 1 Wkly hrs: 2 hours Lab
Topics related to technical (5th class) rock-climbing. Includes 20 hours of activity in a structured rock-climbing environment.

PE-RD 270—Backpacking and Survival
Cr: 2 Wkly hrs: 4 hours Lab
Participate in activities related to camping, travel and survival techniques in the outdoors. Includes a minimum of 6 hiking/backpacking field trips.
Pre requisite: Successful completion of PE-RD 170 with a grade of 2.0 or better within the past 5 years.

PE-RD 272—Intermediate Mountaineering
Cr: 2 Wkly hrs: 4 hours Lab
Advanced techniques related to rock, ice, and snow climbing/travel, and alpine living skills.
Pre requisite: Completion of PE-RD 172 with a grade of 2.0 or better in the past 5 years.

Physical Therapist Assistant

First Year Fall Quarter:
Pre requisite: Admission into the Physical Therapist Assistant program.

First Year Winter Quarter:
Pre requisite: Passing grade (2.0 or better) in all previous Physical Therapist Assistant courses. Concurrent enrollment in PTA 107, 108, 121, and 125.

First Year Spring Quarter:
Pre requisite: Passing grade (2.0 or better) in all previous Physical Therapist Assistant courses. Concurrent enrollment in PTA 103, 110, 123, 126, and 151.

First Year Spring Quarter:
Pre requisite: Passing grade (2.0 or better) in all previous Physical Therapist Assistant courses.

First Year Summer Quarter:
Pre requisite: Passing grade (2.0 or better) in all previous Physical Therapist Assistant courses. Concurrent enrollment in PTA 105, 111, and 122.
PTA 111—Neuroscience for the PTA
Cr: 2 Wkly hrs: 2 hours Lecture
The course presents an in-depth view of neurological and neuromuscular conditions encountered in physical therapy. Review and development of functional neuroanatomy and pathology for each condition.

PTA 122—PTA Procedures III-Orthopedics
Cr: 6 Wkly hrs: 4 hours Lecture, 4 hours Lab
Students will learn to perform assessment and intervention techniques regarding orthopedic and musculoskeletal conditions. Extensive instruction with lab practice regarding therapeutic exercise in orthopedics.

Second Year Fall Quarter:
Prerequisite: Passing grade (2.0 or better) in all previous Physical Therapist Assistant courses. Concurrent enrollment in PTA 104, 124, 127, and 152.

PTA 104—Ethics and Administration
Cr: 2 Wkly hrs: 2 hours Lecture
Presents issues relating to administration and ethics in physical therapy.

PTA 124—PTA Procedures V-Neuromuscular
Cr: 6.5 Wkly hrs: 4 hours Lecture, 5 hours Lab
Prepares students to perform assessment and intervention techniques regarding neuromuscular conditions. Extensive instruction with lab practice in therapeutic exercise for neuromuscular conditions.

PTA 127—PTA Procedures VIII—Functional Rehab
Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab
Provides the student with skills related to the patient’s functional mobility within a variety of settings and involves prosthetic and orthotic intervention techniques as well as cardiopulmonary functional rehabilitation.

PTA 152—Clinical Experience II
Cr: 4 Wkly hrs: 12 hours Clinic
Clinical education to allow students to incorporate components of Orthopedics, basic skills and functional rehab. (Students will be placed in clinical facilities for 3 weeks, 40 hours per week, for a total of 120 hours under the direct supervision of a physical therapist/PTA.)

Second Year Winter Quarter:
Prerequisite: Passing grade (2.0 or better) in all previous Physical Therapist Assistant courses. Concurrent enrollment in PTA 251 and 252. Successful passing of lab practical exit exam.

PTA 251—Clinical Affiliation I
Cr: 7 Wkly hrs: 21 hours Clinic
Terminal clinical education experience will be fulfilled under direct supervision of a physical therapist/PTA.

PTA 252—Clinical Affiliation II
Cr: 7 Wkly hrs: 21 hours Clinic
Final terminal clinical education experience will be fulfilled under direct supervision of a physical therapist/PTA.

Physics

PHYS 110—Introduction to Physics
Cr: 6 Wkly hrs: 5 hours Lecture, 2 hours Lab
Prerequisite: MATH 099 with a grade of 2.0 or above or concurrent enrollment in MATH 099 with permission of instructor.

PHYS 114—General Physics
Cr: 6 Wkly hrs: 5 hours Lecture, 2 hours Lab
NS - Mechanics: Fundamental quantities, vectors, one and two dimensional motion, statics, Newton’s Laws, gravitation, work and energy, impulse and momentum, and rotational motion.
Prerequisite: MATHA 141 with a grade of 2.0 or above.

PHYS 115—General Physics
Cr: 6 Wkly hrs: 5 hours Lecture, 2 hours Lab
NS - Simple harmonic motion, fluids, electric fields, forces and potential, direct current and resistance, capacitance and dielectrics, magnetism, and induction. (Offered Winter Quarter only.)
Prerequisite: PHYS 114 with a grade of 2.0 or above.

PHYS 116—General Physics
Cr: 6 Wkly hrs: 5 hours Lecture, 2 hours Lab
NS - Waves and sound, interference phenomena, heat, thermal equilibrium, ideal Gas Law and laws of thermodynamics, electromagnetic waves, reflection, refraction, polarization, lenses and optical instruments. Quantum, atomic and nuclear physics as time allows. (Offered Spring Quarter only.)
Prerequisite: PHYS 114 with a grade of 2.0 or above.

PHYS 254—Engineering Physics
Cr: 6 Wkly hrs: 5 hours Lecture, 2 hours Lab
NS - Mechanics: fundamental units, vectors, statics, laws of kinematics, linear and rotational motion, work, energy, momentum, impulse, equilibrium, inertia, and rocket propulsion.
Prerequisite: MATHA 163 and PHYS 110 with a grade of 2.0 or above.

Politics

POLIS8101—Intro Political Science
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Introduction to the principles and problems of the study of politics and government with focus on history and philosophy and systems used in the field.

POLIS 115—State/Local Government
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Political and legal foundations of state and local governments, including legislative functions, distribution and execution of power, administrative organizations, political parties and voter behavior, and state and local policy making.

POLIS 145—Politics of Middle East
Cr: 5 Wkly hrs: 5 hours Lecture
SS - A study of the historical and current politics of the Middle East. We will study the role of war, terror, oil, religion, ethnic cultures and the significance of these dynamics to the world.

POLIS 175—Politics and Literature
Cr: 5 Wkly hrs: 5 hours Lecture
SS - An examination of the central issues and concepts of politics through the perspective provided by great literature. Included will be the questions of authority, responsibility, freedom, and power. (Same as HUMAN 175)

POLIS & 201—Intro Political Theory
Cr: 5 Wkly hrs: 5 hours Lecture
HSS - An introduction to the major thinkers and philosophies that have shaped the Western political tradition.

POLIS & 202—American Government
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Development, structure, and role of U.S. Government, with attention to democratic traditions. Constitutionalism, federalism, civil liberties, political parties, and propaganda.

POLIS & 203—International Relations
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Rise of state and modern state system with emphasis on nationalism, sovereignty, national power, imperialism, economic and military rivalry, and the quest for security and peace and problems of developing nations.

POLIS 235—Labor and Film
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Using a combination of labor films and labor history, this course examines the role of unions in the United States and their trajectory of struggle for workers’ rights and welfare. (Same as HUMAN 235)

POLIS 323—U.S. Health Care Crisis
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Controversies and challenges of U.S. health care including accessibility and costs. (Formerly POLS 300) (Same as BNURS 323).

*See course description for prerequisite.
Course Descriptions

Practical Nursing

Practical Nursing program admission not required for the following four courses:

PNURS 108–Clinical Pharmacology
Cr: 1 Wkly hrs: 1 hours Lecture
An introduction to current practices in drug therapy and the pharmacokinetics that influence drug actions.
Prerequisite: BIO& 175 or BIO& 241.

PNURS 110–Medical Terminology
Cr: 2 Wkly hrs: 2 hours Lecture
An introduction to word roots, combining forms, suffixes, prefixes, spelling and pronunciation guidelines using a body systems approach.

PNURS 118–Nutrition
Cr: 3 Wkly hrs: 3 hours Lecture
The practical nurse's role in nutrition education, emphasizing nutrients and special dietary needs related to the different medical-surgical conditions throughout the lifespan.

PNURS 126–Dosage Calculations
Cr: 1 Wkly hrs: 1 hour Lecture
Introduction to the dosage calculations used in medication administration in the clinical setting.
Prerequisite: MATH 099.

PNURS 127–Dosage Calculation Applications
Cr: 1 Wkly hrs: 1 hour Lecture
The course will provide opportunities to apply theory relating to dosage calculations via work problems, doctors’ orders, IV rates, IV & IM dosages and oral routes.
Prerequisite: MATH 099 or higher. Concurrent enrollment in, or completion of PNURS 126 or NURSE 151.

PN Nursing Program Courses

Prerequisite: Admission into the Practical Nursing Program.

Note: A grade of 2.0 or higher is required in all Practical Nursing courses for continuation in the Nursing Program. (Exception: minimum grade of 3.7 is required in PNURS 126.)

Winter Quarter:

Prerequisite: Concurrent enrollment in or successful completion of the following courses (PNURS 102, 103, 104, 105, 110, 112, 114, 122):

PNURS 102–Physical Assessment Lecture
Cr: 2 Wkly hrs: 2 hours Lecture
Introduction to basic structures and functions of body systems and diagnostic tests. How the nurse assesses and distinguishes normal from abnormal findings is discussed.

PNURS 103–Physical Assessment Application Lab
Cr: 1 Wkly hrs: 2 hours Lab
Physical assessment of the adult client using interpersonal communication skills.

PNURS 104–Lab I, Lecture
Cr: 1 Wkly hrs: 1 hour Lecture
Introductory lecture course for planning, delivery and oversight of care for the client needing basic nursing skills, standard precautions, postmortem care and oral med administration.

PNURS 105–Lab I, Application
Cr: 1 Wkly hrs: 2 hours Lab
Introductory lab class for planning, delivery and oversight of care for the client needing basic nursing skills, standard precautions, postmortem care and oral med administration. Certified nursing assistants and military medics or corpsmen may receive course credit with successful Credit by Examination.

PNURS 110–Medical Terminology
Cr: 2 Wkly hrs: 2 hours Lecture
An introduction to word roots, combining forms, suffixes, prefixes, spelling and pronunciation guidelines using a body systems approach.

PNURS 112–Personal and Professional Roles
Cr: 2 Wkly hrs: 2 hours Lecture
Introduction to the personal and professional roles of the practical nursing student regarding laws and ethics, history, self-assessment, communication, nursing process, and planning care.

PNURS 114–Fundamentals I
Cr: 5 Wkly hrs: 5 hours Lecture
Theory course covering beginning nursing concepts, microbiology, HIV and geriatric care. Emphasizes growth/development health and prevention.

PNURS 122–Long Term Care Clinical
Cr: 3 Wkly hrs: 6 hours Lab
Introduction to common medical and surgical conditions using the nursing process.

PNURS 116–Fundamentals II
Cr: 5 Wkly hrs: 5 hours Lecture
The practical nurse’s role in nutrition education, emphasizing nutrients and special dietary needs related to the different medical-surgical conditions throughout the lifespan.

PNURS 118–Nutrition
Cr: 3 Wkly hrs: 3 hours Lecture
Direct care experience using practice/application of critical thinking, nursing process, care planning, physical assessment, communication, hygiene and safety with long-term care residents.

Spring Quarter:

Prerequisite: Successful completion of all Winter quarter courses. Concurrent enrollment in or successful completion of the following courses (PNURS 106, 116, 118, 124):

PNURS 106–Lab II
Cr: 2 Wkly hrs: 4 hours Lab
Lab class for psychomotor skill development and use of nursing process to care for the medical-surgical client, (oxygen therapy, drug administration, enteral feeding and sterile procedures).

PNURS 116–Fundamentals II
Cr: 5 Wkly hrs: 5 hours Lecture
Introduction to common medical and surgical conditions using the nursing process.

PNURS 118–Nutrition
Cr: 3 Wkly hrs: 3 hours Lecture
The practical nurse’s role in nutrition education, emphasizing nutrients and special dietary needs related to the different medical-surgical conditions throughout the lifespan.

PNURS 124–Medical-Surgical Clinical
Cr: 5 Wkly hrs: 10 hours Lab
Direct care experience of the hospitalized medical/surgical patient, emphasizing critical thinking, use of the Nursing Process, application of client care concepts and skills.

Summer Quarter:

Prerequisites: Successful completion of all Winter and Spring quarter courses. Concurrent enrollment in or successful completion of the following courses (PNURS 203, 204, 205, 208, 209):

PNURS 203–Fundamentals III-Mental Health
Cr: 1 Wkly hrs: 1 hours Lecture
Introduction to common mental health conditions using the nursing process.

PNURS 204–Fundamentals III Pediatrics
Cr: 2 Wkly hrs: 2 hours Lecture
Introduction to pediatrics using a nursing process framework. Includes critical thinking, stress/adaptation and ethical concepts.

PNURS 205–Fundamentals III Obstetrics
Cr: 2 Wkly hrs: 2 hours Lecture
Introduction to childbearing using a nursing process framework. Includes critical thinking, stress/adaptation and ethical concepts.

PNURS 208–Pediatric/Obstetric Clinical
Cr: 4 Wkly hrs: 8 hours Lab
Direct patient care experience emphasizing critical thinking and use of the Nursing Process in practice and application of theory/skills related to clients in Pediatric and Obstetric settings.

PNURS 209–Mental Health Clinical Experience
Cr: 1 Wkly hrs: 2 hours Lab
This clinical experience prepares students to care for clients with mental health alterations in a structured, inpatient mental health setting.

Fall Quarter:

Prerequisite: Successful completion of all Winter, Spring and Summer quarter courses. Concurrent enrollment in or successful completion of the following courses (PNURS 202, 206, 210):

PNURS 200–Practical Nursing Pharmacology
Review (Optional)
Cr: 1 Wkly hrs: 1 hour Lecture
Review of pharmacology to enhance clinical nursing practice. Focus is on classifications and nursing considerations.

PNURS 202–Client Care Management
Cr: 2 Wkly hrs: 2 hours Lecture
Discuss the Practical Nurse’s role in management and supervision, team building, client advocacy, trends in health care, resume writing and preparation to enter the workforce.

PNURS 206–Fundamentals IV
Cr: 4 Wkly hrs: 4 hours Lab
Nursing care process for more advanced medical surgical situations.

PNURS 210–Clinical Mentorship
Cr: 8 Wkly hrs: 16 hours Lab
Students will gain additional experience in direct patient care and management responsibilities using a mentorship with a Licensed Nurse.

COURSE NOTES: *See course description for prerequisite.

H=Humanities, H/SP=Humanities/Skills Performance
NS=Natural Science, SS=Social Science
Course Descriptions

Psychology

PSYC&100—General Psychology
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Survey of basic topics in psychology including methods, biological basis of behavior, sensation, perceptions, learning, memory, motivation, emotion, and clinical psychology.

PSYC 102—Psychology of Adjustment
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Systematic presentation of scientific psychological principles and procedures for the resolution of human problems and relationships.

PSYC&200—Life Span Psychology
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Introduces the development of different stages in physical, cognitive, personality, and socio-emotional changes over the life span.

PSYC&220—Abnormal Psychology
Cr: 5 Wkly hrs: 5 hours Lecture
SS - A survey of psychopathology, specifically a study of abnormal human behavior, its description and explanation from several theoretical perspectives and an overview of therapies to modify abnormal behavior.

PSYC 221—Social Psychology
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Social Psychology focuses on the interaction between individuals and their social context. Recent research is reviewed. Writing emphasis.

PSYC 230—Psychology of Aging
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Issues faced by an ever-expanding older adult population, with focus upon the physical, cognitive, and socio-emotional changes over the life span.

PSYC 240—Biological Psychology
Cr: 5 Wkly hrs: 5 hours Lecture
SS - A survey of the biological determinants of behavior with emphasis on current research findings and ethical issues.

PSYC 260—Introduction to Clinical Psych
Cr: 5 Wkly hrs: 5 hours Lecture
SS - An introduction to professional issues in clinical and counseling psychology and major therapeutic techniques used in the professions.

Science

SCI 100—Introduction to Science
Cr: 5 Wkly hrs: 5 hours Lecture
NS - Overview of sciences taught at Olympic College. Scientific methodology through inquiry, observation, experiment, and communication of science concepts in chemistry, biology, physics, and others. No prior science background required.

Sociology

SOC& 101—Intro to Sociology
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Introduces the subject matter, theories and methods of sociology. Focuses on the interaction between the individual and the social milieu.
Prerequisite: Accuplacer placement in ENGL& 101 strongly recommended.

SOC 109—Family Abuse and Neglect
Cr: 3 Wkly hrs: 3 hours Lecture
SS - The course focuses on sociological theories, research, cause and effect of family violence, abuse and neglect, with special emphasis on prevention.
Prerequisite: Accuplacer placement in ENGL& 101 strongly recommended.

SOC 125—Sociology of Aging
Cr: 5 Wkly hrs: 5 hours Lecture
SS - An introductory course on aging focusing particularly on the social and emotional dimensions of the aging process.
Prerequisite: Accuplacer placement in ENGL& 101 strongly recommended.

SOC 135—the Family
Cr: 5 Wkly hrs: 5 hours Lecture
SS - This course examines structural and personal change factors in families in Western and non-Western countries.

SOC& 201—Social Problems
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Students are asked to consider the value of studying social problems from a sociological perspective.
Prerequisite: Accuplacer placement in ENGL& 101 strongly recommended.

SOC& 215—Criminology
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Survey of different types of crime, patterns of offending, explanations of crime, and social responses to criminal behavior.
Prerequisite: Accuplacer placement in ENGL& 101 strongly recommended.

SOC 230—Sexuality and Gender
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Provides introduction to various discourses within social sciences on the sociocultural construction and meaning of human sexuality and gender.
Prerequisite: Accuplacer placement in ENGL& 101 strongly recommended.

SOC 271—Social Deviance
Cr: 5 Wkly hrs: 5 hours Lecture
SS - Exploration of deviant behavior, beliefs, and traits as well as mechanisms of social control. Theoretical explanations and social research will also be discussed.
Prerequisite: Accuplacer placement in ENGL& 101 strongly recommended.

Spanish

SPAN&121—Spanish I
Cr: 5 Wkly hrs: 5 hours Lecture
H - Deals with principles of pronunciation and with elementary vocabulary and grammar structures for immediate basic communication. Explores geographical and cultural aspects of Spanish speaking countries.

SPAN&122—Spanish II
Cr: 5 Wkly hrs: 5 hours Lecture
H - Deals with practical vocabulary and broader grammar patterns for communication in a daily, urban context. Explores geographical and cultural aspects of Spanish speaking countries.

SPAN&123—Spanish III
Cr: 5 Wkly hrs: 5 hours Lecture
H - Deals with upper basic vocabulary and grammar structures for conversational purposes. Explores linguistic, geographical, and cultural aspects and differences of the Spanish speaking countries and peoples.

Technical Design

TEC-D 107—Technical Drawing
Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab
A beginning drawing course teaching both introductory hand drawing and computer drafting skills. Concepts taught include: use and care of instruments, linetypes, sketching, numbering of planes, lettering and linework, orthographic projection, primary and secondary auxiliary projections, introduction to descriptive geometry, isometric drawing and isometric sections, orthographic sections, and an introduction to the theory of dimensioning.
Prerequisite: Students must have appropriate manual drafting tools and access to an Olympic College computer using AutoCAD software.
Course Descriptions

TEC-D 109—Descriptive Geometry
Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab
Introduction to principles of descriptive geometry used to solve 3 dimensional problems graphically via successive auxiliary projections. Study of space relationships for points, lines and planes that precede design. Also an introduction to development of surfaces and intersections.
Prerequisite: TEC-D 200 with a grade of 2.0 or above or permission of instructor. All students must have access to computer lab.

TEC-D 112—Blueprint Reading
Cr: 4 Wkly hrs: 4 hours Lecture
This is an introductory course in blueprint reading. Texts will emphasize industrial drawings for manufacturing, construction and transportation.
Prerequisite: Student must have appropriate manual drafting tools.

TEC-D 116—Computational Techniques/Technicians
Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab
Perform algebraic, geometric, and other complex interactive and repetitive calculations using hand calculators and spreadsheet calculation aids.

TEC-D 121—Plane Surveying
Cr: 4 Wkly hrs: 1 hours Lecture, 6 hours Lab
Introduction to plane surveying. Use of instruments, computations, error corrections, and mapping. Emphasis on public land surveys, physical measurements, and related problems.
Prerequisite: TEC-D 107, TEC-D 116 or permission of instructor.

TEC-D 122—Introduction to Legal Descriptions
Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab
This course introduces the student to the Public Land Survey System (PLSS). It defines how parcels of property are described and helps the student to understand these descriptions.

TEC-D 123—Introduction to Construction Staking
Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab
This course introduces the student to the process of construction staking as it applies to Civil Design projects.

TEC-D 127—Residential Architectural Drawing
Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab
Basic drawing equipment and techniques and their application to the production of single story house building plans, elevations, and sections suitable for residential construction. A pencil drawing course.
Prerequisite: TEC-D 107 or permission of instructor.

TEC-D 128—Adv Residential Architectural Drawing
Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab
Expands Residential Architectural Drawing 127. Students will use AutoCAD to create a complete Sheet Set of a two story residential building.
Prerequisite: TEC-D 127 or permission of instructor.

TEC-D 120—Construction Materials and Methods
Cr: 3 Wkly hrs: 3 hours Lecture
Familiarization with the applications of materials commonly used in construction and processes in manufacture.

TEC-D 145—Applied Problem Solving
Cr: 5 Wkly hrs: 5 hours Lecture
Uses math concepts and models in a lecture/discovery format to enhance problem-solving skills required in the workplace. (Same as AUT-T 145/WELD 145)
Prerequisite: MATH 090A with a grade of 2.0 or above or satisfactory placement test score and concurrent enrollment in or completion of ATA requirements in AUT-T or TEC-D or WELD vocational programs.

TEC-D 150—Introduction to GIS
Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab
An overview of GIS and its applications, plus: hands-on projects forming data relationships displayed in map or graphical formats.
Prerequisite: None (Equivalent to material offered in TEC-D 136, 137, 138, and 139 courses).

TEC-D 151—Intermediate GIS with ArcView
Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab
Intermediate GIS with ArcView expands upon introductory GIS topics and provides a working knowledge of various project applications.
Prerequisite: TEC-D 139, or TEC-D 150.

TEC-D 175—Introduction to Solid Edge
Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab
Solid Edge is a parametric 3D modeler for machine parts, assemblies, and consumer products; building 3D solids from constrained 2D sketches.

TEC-D 200—Computer-Aided Design I
Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab
Introduction to Computer-Aided Drafting using Autodesk ACAD software to create, edit, and plot engineering drawings.
Prerequisite: TEC-D 107 with a grade of 2.0 or above or permission of instructor.

TEC-D 205—Engineering Tech Project Planning
Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab
An introduction to the concepts used in planning engineering projects. This is a practical, hands-on approach to Engineering Project Planning. Microsoft Project Software may be used as a vehicle to outline this planning. This is intended for those seeking to be engineering technicians to enhance their ability to communicate with engineers. This course is not to teach software, but rather, to teach the engineering approach to building bridges, etc. as opposed to planning models used in business.

TEC-D 211—Geodatabases for GIS
Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab
This course is designed for experienced ArcGIS users who need an introduction to creating, editing, and managing data stored in a personal geodatabase. (Pass/No Credit)
Prerequisite: TEC-D 139 or TEC-D 150.

TEC-D 270—3D Analyst
Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab
This course is designed for those who want to apply three-dimensional visualization and analysis techniques to their spatial data. (Pass/No Credit)
Prerequisite: TEC-D 139 or TEC-D 150.

TEC-D 271—Geoprocessing with GIS
Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab
This course is designed for experienced ArcGIS users who want to use geoprocessing tools and models in their GIS projects. (Pass/No Credit)
Prerequisite: TEC-D 139 or TEC-D 150.

TEC-D 273—Map Projections in GIS
Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab
This course is designed for students and GIS professionals who want to understand the properties of different map projections and coordinate systems. (Pass/No Credit)
Prerequisite: TEC-D 139 or TEC-D 150.

TEC-D 274—Natural Resource GIS
Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab
This course teaches methods for acquiring, evaluating, creating, manipulating, and integrating data in preparation for analysis and map creation. It addresses problems commonly encountered by those in the natural resource and conservation fields. (Pass/No Credit)
Prerequisite: TEC-D 139 or TEC-D 150.

*See course description for prerequisite.
WELD 100–Oxyacetylene Welding
Cr: 6 Wkly hrs: 2 hours Lecture, 8 hours Lab
Oxyacetylene welding and brazing in the flat, horizontal and vertical positions on mild steel plate; Oxy fuel cutting and plasma arc cutting processes.
Prerequisite: Completion of or concurrent enrollment in WELD 106 or by permission of instructor.

WELD 101–Arc Welding I
Cr: 6 Wkly hrs: 2 hours Lecture, 8 hours Lab
Shielded metal arc welding (SMAW) in the flat and horizontal positions on low carbon steel plate using E6010 and E7018 electrodes; Arc cutting with compressed air (CAC-A).
Prerequisite: Completion of or concurrent enrollment in WELD 106 or by permission of instructor.

WELD 102–Arc Welding II
Cr: 6 Wkly hrs: 2 hours Lecture, 8 hours Lab
Shielded metal arc welding (SMAW) making sound groove welds and fillet welds in all positions using E7018 electrodes on plain carbon steel.
Prerequisite: WELD 101 or permission of instructor.

WELD 103–Arc Welding III
Cr: 6 Wkly hrs: 2 hours Lecture, 8 hours Lab
Producing sound groove welds in the 2G and 3G positions on mild steel welded with the shielded metal arc welding (SMAW) process using E7018 electrode classification.
Prerequisite: WELD 102 and completion of WELD 106 or permission of instructor.

WELD 104–Gas Tungsten Arc Welding
Cr: 6 Wkly hrs: 2 hours Lecture, 8 hours Lab
Students develop skills required for Gas Tungsten Arc Welding (TIG) in the flat, horizontal and vertical positions on mild steel, stainless steel and aluminum plate.
Prerequisite: WELD 100 and 107 or concurrent enrollment in WELD 107 or permission of instructor.

WELD 105–Gas Metal Arc/Flux Cored Arc Welding
Cr: 6 Wkly hrs: 2 hours Lecture, 8 hours Lab
Students develop skills required for Gas Metal Arc (MIG) and flux cored arc welding in the flat, horizontal and vertical positions on mild steel and aluminum plate.
Prerequisite: WELD 107 or concurrent enrollment in WELD 107 or permission of instructor.

WELD 106–Welding Technical Orientation I
Cr: 5 Wkly hrs: 5 hours Lecture
Beginning welding theory with emphasis on safety, weld processes of oxyacetylene welding (OAW), oxyfuel cutting (OFC), shielded metal arc welding (SMAW), carbon arc cutting with compressed air (CAC-A), electrical fundamentals and blue print reading.

WELD 107–Welding Technical Orientation II
Cr: 5 Wkly hrs: 5 hours Lecture
Advanced welding, cutting, and manufacturing processes and American Welding Society weld symbol reading and interpretation.
Prerequisite: WELD 106 or permission of instructor.

WELD 108–Welding Metallurgy
Cr: 5 Wkly hrs: 5 hours Lecture
A study of the metallurgy of welding and joining both ferrous and nonferrous metals, primarily as used in building and repair.

WELD 111–Pipe Welding I
Cr: 6 Wkly hrs: 2 hours Lecture, 8 hours Lab
Producing sound open root groove welds in the 2G, 5G, and 6G positions on mild steel pipe welded with the shielded metal arc welding (SMAW) process using ER 70 S-2 filler metal and E7018 electrode classification.
Prerequisite: A grade of 3.0 or higher in WELD 103 and WELD 106 or instructor approval.