

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 "&" in the course number, for example: ENGL& 101.

Many courses without an "&" also transfer between two-year and four-year colleges.

Unless otherwise specified, a minimum grade of 2.0 in prerequisite courses is required to enroll.

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.

American Culture and Equity Studies

HACES 100–Intro to American Ethnic Studies

Cr: 5 Wkly hrs: 5 hours Lecture

H/SS - This course introduces students to American Ethnic Studies through an emphasis on the wisdoms and activism of African Americans, Native Americans, Chicana/os, Latina/os, and Asian and Pacific Islander Americans. Attention is also given to contemporary social movements and the ways race and ethnicity intersect with gender, sexuality, class, nationality, ability, and the environment.

ACES 101–Diversity and American Culture

Cr: 5 Wkly hrs: 5 hours Lecture

H/SS - This course introduces students to the interdisciplinary study of diversity in American culture and society through the synthesis of theories, concepts, and insights from literature, sociology, and history. Students will have the opportunity to examine various media and their own complex identities and families in specific socio-historical and cultural contexts. Through careful reading and discussion of novelists, short story writers, artists, activists, historians, and sociologists, we will explore how meanings of race, ethnicity, class, gender, sexuality, and disability are formed in relationship to lived experiences and American ideologies. (Same as HUMAN 101)

Prerequisite: Completion of ENGL& 101 with a grade of 2.0 or above is strongly recommended.

ACES 102–The LGBTQ Experience

Cr: 5 Wkly hrs: 5 hours Lecture

H/SS - This course provides students with an introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies. Students will become familiar with critical approaches to the study of sexuality and gender from an interdisciplinary perspective. Focus will be on investigating the production and regulation of sexualities in relation to gender identities, popular culture, racial and national formations, and media aesthetics. The class will also engage varying competing arguments about contemporary controversies. Readings and primary texts will include historical materials, sociological studies, queer and transgender theory, activist publications, memoirs, literary fiction, nightclub culture, drag performances, and film. (Same as HUMAN 102)

Prerequisite: Completion of ENGL& 101 with a grade of 2.0 or above is strongly recommended.

ACES 110–Monsters & American Culture

Cr: 5 Wkly hrs: 5 hours Lecture

H/SS - Monsters...and slashers...and ghosts! Oh, my! This course provides an opportunity to explore American culture and society through a history of monsters in literary fiction, folklore, film, television, and popular culture. We will examine monsters in context, thinking about the ways in which they reveal broader cultural fears and anxieties concerning race, class, gender, sexuality, ability, sustainability, immigration, religion, and science. An eclectic, fun, and rigorous collection of texts will be examined.

ACES 160–Latina/os and Hollywood Imagery

Cr: 5 Wkly hrs: 5 hours Lecture

H/SS - This course is devoted to analyzing representations of Latina/os and Chicana/os in Hollywood culture and cinema. How are actors and filmmakers working to challenge stereotypes? How do past patterns of Hollywood imagery remain in our present? Through the study of narrative and cinematic art forms, students will decipher and critique how meanings of race, class, gender, and sexuality get produced and sometimes contest long-held beliefs about Latina/o and Chicana/o identities. Films, literary fiction, and television programs will be historically and theoretically situated in order to examine the social significance and political impact of Hollywood's imagery on one of the fastest growing social groups in American society. Special attention may be given to issues of labor, language, immigration, and Latina and Chicana feminism. *Note: "Latina/o" refers to people of Latina American descent in the U.S., while "Chicana/o" refers to people of Mexican descent in the U.S. (Same as HUMAN 160)

Prerequisite: Completion of ENGL& 101 with a grade of 2.0 or above is strongly recommended.

ACES 170–Black Voices in America

Cr: 5 Wkly hrs: 5 hours Lecture

H/SS - This course focuses on the voices and experiences of black people in the United States, emphasizing ideas and concepts in black social thought, political protest, and artistic efforts to initiate social change. By drawing from visual art, music, literature, history and the social sciences, the course will examine how the wide-spectrum of black leaders, intellectuals, and organizations have focused their energies in finding ways to thrive and to work toward the elimination of institutional racism, sexism, homophobia, and classism. Overall, students will acquire a fuller understanding of the cultural and historical developments of black America as they relates to issues of social justice. (Same as HUMAN 170)

Prerequisite: Completion of ENGL& 101 with a grade of 2.0 or above is strongly recommended.

American Sign Language

ASL 101–Fingerspelling and Numbering

Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab

This course includes an introduction to historical and physiological aspects of fingerspelling and number use in American Sign Language (ASL). Specialized instruction will be given to develop and master their abilities of expressive spelling, reading fingerspelled words and numerical incorporation including focus areas involving: time signs, money, measurements, game scores, and other amounts.

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. Students, who have taken ASL classes at their previous high schools/colleges in the past, need to be seen and evaluated by the ASL faculty to test their receptive and expressive signing skills to determine their skill level to be placed in the appropriate class.

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. Students, who have taken ASL classes at their previous high schools/colleges in the past, need to be seen and evaluated by the ASL faculty to test their receptive and expressive signing skills to determine their skill level to be placed in the appropriate class.

Anthropology

ANTH&100–Survey of Anthropology

Cr: 5 Wkly hrs: 5 hours Lecture

SS - 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

SS - Techniques, principles, issues, and goals of archaeological research; also prehistoric record examined.

ANTH&205–Biological Anthropology

Cr: 5 Wkly hrs: 5 hours Lecture

NS/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 adaption to the environment. Globalization, ethnoecology, political ecology, environmental justice, history, theory, methods of Environmental Anthropology.

ANTH 270–Archaeology Field School

Cr: 12 Wkly hrs: 2 hours Lecture, 4 hours Lab

SS - Taught entirely in the field. Training given in archaeological field research methods and techniques, including survey, excavation, artifact analysis, report preparation, and museum curation of archaeological collections.

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 - Introduces student to an anthropological perspective on disease, illness, and health. Examines cultural explanations of and responses to disease and illness, different cultural approaches to treatment and curing, and factors that influences the distribution of disease, illness and wealth within and between cultures.

Prerequisite: ANTH& 206 or ADN degree recommended

ANTH 350–Applied Anthropology

Cr: 5 Wkly hrs: 5 hours Lecture

SS - This course explores the practical application of anthropology's methods and theories to address the needs of society, including the challenges and research needs of communities and organizations.

Prerequisite: Acceptance into BAS OLTM program or BAS DF program or Instructor Permission

Art

ART& 100–Art Appreciation

Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab

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 - Introduction to techniques in drawing the figure with emphasis on form, light, shadow, and HUMAN anatomy

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 - Introduction to digital image editing software using the elements and principles of art.

Prerequisite: ART 110.

ART 117–Art History/Northwest Coast

Cr: 5 Wkly hrs: 5 hours Lecture

H - Art History of the Northwest Coast introduces students to the Native Arts of the Northwest coastal region from Prehistory to the present.

ART 120–Public Art Mural Painting

Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab

H/SP - Course will cover historical and cultural as well as the economic role of public murals. Students will work collaboratively in both the classroom and the field to create a large mural for an actual client during the quarter. Through coursework students will collaboratively experience design, presentation and construction of mural concept.

ART 125–Ceramics I

Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab

H/SP - 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.

ART 173–Art for Teachers

Cr: 5 Wkly hrs: 5 hours Lecture

H - Survey course that consider how children engage in the artistic process as a means of constructing their knowledge including 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. Uses the elements of art and principles of design and how societal/cultural/historical factors give rise to art.

ART 206–Drawing III

Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab

H/SP - Continuation of ART 107 with further study of the figure and emphasis on techniques in drawing hands and portraiture.

Prerequisite: ART 107.

ART 210–Design III

Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab

H/SP - Introduction to digital illustration with emphasis on the elements and principles of art.

Prerequisite: ART 111 OR DMA 120 with Grade of 0.7 or better.

Prerequisite: ART 225–Ceramics II

Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab

H/SP - Continuation of ART 125, with new emphasis on introduction of additional forms and construction methods. Introduction to Glaze calculation and mixing. Introduction to kiln firing.

Prerequisite: ART 125.

ART 226–Ceramics III

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 106, 110, and 225.

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 an 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 night-time 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.

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. (Same as POLS 323).

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 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.

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. Successful completion of or concurrent enrollment in BNURS 409.

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 assessment 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 hours 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 hours 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.

Biology

BIOL 101–Introduction to Marine Science**Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab**

NS - 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**

NS - 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**

NS - Field, lecture, and laboratory course emphasizing the identification, habits, habitats, adaptations, and interrelationships of plants and animals that constitute the biomes of the Pacific Northwest.

BIOL 115–Freshwater Biology**Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab**

NS - 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**

NS - 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 130–Ecology of the Northwest**Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab**

NS - 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**

NS - 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.

Prerequisite: One year of Biology.

BIOL 132–Ecology of the Northwest**Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab**

NS - 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.

BIOL 140–Environmental Issues**Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab**

NS - Ecological principles, the relationship of humans to the environment, and solutions to environmental problems. Recommended for non-science majors. Community service requirement.

Prerequisite: None.

BIOL&160–General Biology w/Lab**Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab**

NS - 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.

BIOL 170–In Health and Disease w/Lab**Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab**

NS - Selection of contemporary topics on the health and disease of the HUMAN body. Recommended for non-science majors.

Prerequisite: None.

BIOL&175–HUMAN Biology w/Lab**Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab**

NS - 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.

BIOL 199--Practicum

Cr: 1-5 Wkly hrs: 10 hours Lab

Course can be offered as: BIOL 199/299.

A practical application in the working world of the basic theories studied in the above program or discipline.

Prerequisite: Permission of instructor.

BIOL&211--Majors Cellular (Formerly BIOL 201)

Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab

NS - A general overview of life at the cellular and molecular level, including biochemical and cellular structures, cell division, metabolism, genetics, advances in DNA technology. First in a three-course sequence for science majors and pre-professionals. (Formerly BIOL 201)

Prerequisite: None, however, to satisfy the prerequisite for upper division biology courses at some institutions, a year of general chemistry must be completed.

BIOL&212--Majors Animal

Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab

NS - A continuation of BIOL& 211 emphasizing evolution and zoology. For majors, prepares students for advanced biology courses and pre-professional programs.

Prerequisite: BIOL& 211 or permission of instructor.

BIOL&213--Majors Plant

Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab

NS - A continuation of BIOL& 211 and 212 emphasizing reproduction, growth, and homeostasis in plants as well as the major topics of ecology, e.g., populations, communities, and ecosystems. For majors; prepares students for advanced biology courses and pre-professional programs.

Prerequisite: BIOL& 211 or permission of instructor.

BIOL&241--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 ensures transferable credit.

Prerequisite: CHEM& 121 and CHEM& 131 (concurrent enrollment in CHEM& 131 is permitted or CHEM& 131 may be waived by exam); or CHEM& 141 and CHEM& 142.

BIOL&242--HUMAN A & P 2

Cr: 6 Wkly hrs: 4.5 hours Lecture, 3 hours Lab

NS - A continuation of BIOL& 241 with emphasis on blood, immunity, respiration, urinary function, digestion, and reproduction. Lab includes dissections and structure identification.

Prerequisite: BIOL& 241 with a grade of 2.0 or better and CHEM& 131 (CHEM& 131 may be waived by exam.)

BIOL&260--Microbiology

Cr: 5 Wkly hrs: 3 hours Lecture, 4 hours Lab

NS - The structure, function, metabolism, genetics, control and cultivation of microorganisms, and their role in immunity and disease. For pre-professionals.

Prerequisite: CHEM& 121 or CHEM& 141/142 and a minimum of 5 credits in any of the following Biology courses with a lab (BIOL& 160, BIOL 201, BIOL& 241) all with a grade of 2.0 or better.

Prerequisite: BIOL 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.

Prerequisite: Ten (10) credits of Biological Science or permission of instructor.

BIOL 360--Pathophysiology

Cr: 5 Wkly hrs: 5 hours Lecture

NS - A concise overview of the disordered physiological processes associated with disease or injury of the adult HUMAN body.

Prerequisite: BIOL& 242 grade of 2.0 or better.

Business

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 torts, 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.

Prerequisite: MATH 099 within the last 6 years with a grade of 2.0 or above, or satisfactory placement test score.

BUS 330--Business Finance

Cr: 5 Wkly hrs: 5 hours Lecture

This course broadens the non-finance manager/student's understanding of financial concepts and tools needed in financial management and decision making. Students will gain knowledge of finance terms, including time value of money, risk and return, securities valuation, risk management, and capital budgeting. Using basic accounting principles, students will be able to extrapolate data from financial statements for the purpose of financial analysis, goal setting, and budgeting.

Prerequisite: Acceptance into the OLTM BAS program or permission of instructor

Business Management

BMGMT 102--Introduction--International Business

Cr: 5 Wkly hrs: 5 hours Lecture

Examines the fundamental risks of international exposure and investment. Regional Integration, international firm structure and strategy, the global monetary system including foreign exchange, and the world's basic religions and social structure dynamics are also covered.

BMGMT 105--Introduction to Financial Planning

Cr: 5 Wkly hrs: 5 hours Lecture

Explores money management, and wealth creation strategies to include a personal financial plan. Stocks, Bonds, Mutual Funds, Real Estate, Money Markets, Insurance needs, transportation options, and retirement planning. Consumer Credit, Predatory Lending, Identity Theft are also covered.

BMGMT 123--Discover Business & Leadership

Cr: 1 Wkly hrs: 1 hours Lecture

Discover the many educational and career options in the world of Business, Management, and Organizational Leadership. Includes exploring educational options at OC, transfer options, and short and long-term employment options. Plan educational pathways and set career goals.

BMGMT 138--Business Mathematics I

Cr: 3 Wkly hrs: 2 hours Lecture, 2 hours Lab

Formulating and solving practical business mathematical problems, in an applied context including: using one-variable linear equations, percent's, fractions, decimals, trade and cash discounts, partial payments, mark-ups based on cost/selling price, and perishables. Successful completing of both BMGMT 138 & 139 is equivalent to BMGMT 140.

Prerequisite: MATH 090 with a grade of 2.0 or above OR satisfactory placement test score.

BMGMT 139--Business Mathematics II

Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab

Formulating and solving practical business mathematical problems, in an applied context including: using one-variable linear equations, Metric System and US Customary conversions, PV/FV determinations, simple, compound, and effective interest calculations, and discounting interest bearing notes before maturity. Successful completion of both BMGMT 138 & 139 is equivalent to BMGMT 140.

Prerequisite: Completion of BMGMT 138: Business Mathematics I with a min. grade of 2.0 or permission of instructor.

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, Metric System, PV, FV, Chain Discounting, and Discount Notes are also covered.

Prerequisite: MATH 091 with a grade of 2.0 or above or satisfactory placement test score.

BMGMT 145–Business Ethics**Cr: 2 Wkly hrs: 2 hours Lecture**

Discover resources to engage in an ethical decision making process. This course explores conflicts inherent in whistle blowing, ethical theory application, legal reforms, and potential workplace dilemmas.

BMGMT 146–Entrepreneurship--Financial Analysis**Cr: 2 Wkly hrs: 2 hours Lecture**

An entrepreneurial course focusing on basic small business financial statements, and the use of ratio and trend analysis in managing the profitability, liquidity and efficiency of small business operations.

BMGMT 147–H.R. Interviewing/Risk Management**Cr: 2 Wkly hrs: 2 hours Lecture**

An entrepreneurial course focusing on the development of interviewing questions, based on specific job criteria for a small business position, in the HR regulatory environment. A Mock Interview experience is provided.

BMGMT 148–Deadline and Project Management**Cr: 1 Wkly hrs: 1 hours Lecture**

An entrepreneurial course introducing basic tips on how to manage multiple projects/deadlines, and interpret and draw basic project management PERT Diagrams and Gantt Charts.

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, word-of-mouth communication, advertising, press releases, public relations 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 182–Retail Management Essentials**Cr: 5 Wkly hrs: 5 hours Lecture**

Fundamental knowledge and skills needed to effectively supervise or manage a retail business are learned including supply chain management, merchandising, customer service, technology and laws and regulations that can impact retailers.

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 course outlines strategies on how to conduct objective performance review discussions that encourage an exchange of information that promote productivity. The HR legal environment and performance review form analysis is also covered.

BMGMT 282–Principles of Leadership/Management**Cr: 5 Wkly hrs: 5 hours Lecture**

Exploration of the principles of management and strategies for effective leadership are integrated with an overview of management theory, and cross cultural workplace competencies. A Skill-Based Career Portfolio and Management Skills Profile are developed.

Business Technology

BSTEC 101–Adaptive Keyboarding--One-Handed**Cr: 3 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**Cr: 1 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**Cr: 3 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****Cr: 3 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****Cr: 3 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****Cr: 3 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****Cr: 3 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**Cr: 3 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.****Cr: 3 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****Cr: 3 Wkly hrs: 1 hours 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**Cr: 3 Wkly hrs: 1 hours 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****Cr: 3 Wkly hrs: 1 hours 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

Cr: 1 Wkly hrs: 1 hours 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

Cr: 1 Wkly hrs: 1 hours 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

Cr: 2 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

Cr: 1 Wkly hrs: 1 hours 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

Cr: 1 Wkly hrs: 1 hours 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

Cr: 1 Wkly hrs: 1 hours Lecture

Understanding presentation software using Microsoft PowerPoint for simple applications. Hands-on training. Textbook required. (Pass/No Credit or grade)

BSTEC 119–MS Access

Cr: 1 Wkly hrs: 1 hours Lecture

Microsoft Access database system, file structures and practical applications in the Windows environment. Computer skills suggested. Text required.

BSTEC 120–MS Transitions

Cr: 2 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

Cr: 1 Wkly hrs: 1 hours 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

Cr: 4 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

Cr: 4 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

Cr: 4 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

Cr: 2 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

Cr: 4 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

Cr: 5 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

Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab

Control and operation of electronic printing and display calculators. Emphasis on attaining minimum office proficiency.

BSTEC 133–Computerized Accounting

Cr: 4 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

Cr: 5 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.

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–SAGE 50 Accounting

Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab

Automated approach to small business accounting using specialized "Sage 50" complete accounting software, and integration with Microsoft Word and Excel 2013. (Formerly OFTEC 138)

Prerequisite: BSTEC130 or ACCT&201 or permission of instructor.

BSTEC 145–Bus Writing/Grammar for the Wkplce

Cr: 5 Wkly hrs: 5 hours Lecture

A workplace-centered approach to improving writing skills by reviewing grammar, language usage, and punctuation, and using effective composition to write and revise basic workplace/business documents, including memos, letters, and reports.

Prerequisite: Appropriate placement score to enter ENGL 98; or 2.5 grade or higher in ENGL 91; or instructor permission.

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 154–MS Access Specialist (Formerly CIS 154)

Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab

Specialist approach to MS Access. Design and development of databases. The creation and use of tables, various types of queries, forms and macros. (Formerly CIS 154)

Prerequisite: Skill with using Windows and Files is recommended.

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 220–Business Computer Applications****Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab**

Strategic use of software applications to support business activity with emphasis on tasks in business communications, accounting, business decision-making, and information management. Create professional documents, build effective business presentations, use problem-solving spreadsheet models and utilize database content to inform business decisions. Determine the appropriate software and integrate content to produce effective business projects.

Prerequisite: Computer user familiar with the keyboard, browsing the internet, and common business software such as MS Office. Not a beginner level computer course. (Skills can be gained through personal use or formal coursework.) This course meets prerequisite skills for transfer to WWU's bachelor in business program.**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**

Study of Federal Income taxation and Washington State business taxation and its application to business entities.

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.**Chemistry****CHEM&110–Chemical Concepts w/Lab****Cr: 6 Wkly hrs: 5 hours Lecture, 2 hours Lab**

NS - 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.**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 or MATH 99I with a 2.0 or above or satisfactory placement test score.**CHEM&131–Intro to Organic/Biochem****Cr: 6 Wkly hrs: 5 hours Lecture, 2 hours Lab**

NS - Organic compounds including nomenclature and reactions of: hydrocarbons, alcohols, aldehydes and ketones, carboxylic acids, esters, amines. Biochemistry of carbohydrates, lipids, proteins and enzymes, nucleic acids, metabolism.

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 99 or Math 99I with a 2.0 or above or satisfactory placement test score.**CHEM&141–General Chemistry I****Cr: 5 Wkly hrs: 5 hours Lecture**

NS - Principles of chemistry including stoichiometry, enthalpy, atomic theory, gasses, periodicity, chemical bonding.

Prerequisite: Chem &139 or Chem &121 with a 2.0 or above or successful completion of chemistry exam and Math 99 or Math 99I with a 2.0 or above or satisfactory placement test score.**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 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 199–Practicum**Cr: 1-5 Wkly hrs: 10 hours Lab**

Course can be offered as: CHEM 199/299.

A practical application in the working world of the basic theories studied in the above program or discipline.

Prerequisite: Permission of instructor.

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, aryl 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.

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. (Formerly HUMAN 290 and JOURN 290)

CMST 105–Photojournalism**Cr: 5 Wkly hrs: 5 hours Lecture**

H - The basics of digital photojournalism with special attention to news value and composition. (Formerly JOURN 105)

CMST 199–Practicum**Cr: 1-5 Wkly hrs: 10 hours Lab**

A practical application in the working world of the basic theories studied in the above program or discipline. (Formerly SPCH 199)

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. (Formerly SPCH 152)

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. (Formerly SPCH 151B)

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–Intro to Comm in Organizations**Cr: 5 Wkly hrs: 5 hours Lecture**

H - The purpose of this course is to help students understand communication theory and practice in organizations and how to take effective action in their organizations. Topics addressed in the course include organizational culture, organizational climate, diversity, and leadership in the context of organizational communication.

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 255–Political Communication**Cr: 5 Wkly hrs: 5 hours Lecture**

H/SS - Exploration of political communication in historical and contemporary settings. Investigating political cultures as constructed through public rhetorics, traditional media, and digital communication practices. This course looks at the history and impact of political communication in local and global contexts (same as POLS 255).

Prerequisite: English 101

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. (Formerly HUMAN 293)

Computer Information Systems**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.

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)

CIS 107–Introduction to Personal Computers**Cr: 1 Wkly hrs: 1 hours Lecture**

Introduction to personal computers for first time users. Computer terminology, PC hardware options, windows operating systems, basic software techniques and basic Internet use.

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.

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 technical introduction to operating system theory and common operating systems found in business environments, like Windows and Linux, with hands-on activities.

Prerequisite: CIS 110 or concurrent enrollment or permission of instructor. Basic knowledge of Windows XP or later. Competent keyboarding skills.

CIS 114–Introduction to HTML**Cr: 1 Wkly hrs: 1 hours 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)

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.

CIS 116–Intro to MS Visio**Cr: 1 Wkly hrs: 1 hours Lecture**

Introduction to Microsoft Visio to create flow diagrams, basic organizational charts, and network diagrams. Knowledge of basic computer skills suggested. Text required.

CIS 124–Logic and Pattern Matching**Cr: 5 Wkly hrs: 5 hours Lecture**

Students will evaluate mathematical expressions in computer numbering systems, evaluate propositional logic using sets and Boolean circuits, and search and manipulate strings using patterns with regular expressions to support programming and network environments. (Formerly CIS 202)

Prerequisite: MATH 091 within the last 6 years with a grade of 2.0 or above or satisfactory placement test score.

CIS 140–Exploring Coding**Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab**

An exploration of computer programming for non-programmers presented in a fun, engaging, and visual format.

CIS 141–Programming Concepts**Cr: 5 Wkly hrs: 5 hours Lecture**

An introduction to programming concepts.

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 with a grade of 2.0 or above, or permission of instructor and concurrent enrollment in CIS 200.

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 with a grade of 2.0 or above, or permission of instructor and concurrent enrollment in CIS 200.

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.

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.

CIS 155–Web Development I**Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab**

Students are introduced to HTML5 elements and CSS3 to develop simple Web pages that integrate responsive (mobile) design, media, tables, and forms to produce consistent, navigable Web sites.

Prerequisite: Basic computer use.

CIS 156–Multimedia for the Web**Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab**

Students will explore how digital multimedia is optimized to integrate into a HTML5 web page based on current standards and technologies. Managing and manipulating fonts, images, audio, video, and animation formats and codecs, and issues with hosting and legal considerations will also be covered.

Prerequisite: None, though proficiency with HTML is helpful.

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 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.

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, the TCP/IP network protocol, software, cabling and connectivity.

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.

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. May be repeated up to 3 credits. (Formerly CMPTR 200)

Prerequisite: Concurrent enrollment in CIS 142, or CIS 143 or 145.

CIS 205–Web Transport Languages**Cr: 2 Wkly hrs: 2 hours Lecture**

Introduction to web transport languages including XML and JSON, and the use of HTTP protocols for data transport in web services. Students will create and use data formats for data transport and use in web services.

Prerequisite: CIS 141 with grades of 2.0 or better, CIS 155 with grades of 2.0 or better

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.

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.

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.

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.

Prerequisite: CIS 142, CIS 155, and CIS 210, all with a 2.0 or higher, or instructor permission.

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.

CIS 240–Microsoft LAN Administration I**Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab**

Introduces the student to Windows Server 2012 Active Directory Configuration, preparing the student for the MCITP exam--Exam 70-640.

CIS 242–Microsoft LAN Administration II**Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab**

Introduces the student to Windows Server 2012 Active Directory Configuration, preparing the student for the MCITP exam 70-642.

CIS 243–Java III - Java Certification**Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab**

Review the details of the Java language as covered in the Java Certification Oracle Certified Associate Exam 1Z0-808 and Java Certification Oracle Certified Professional Exam 1Z0-809. Topics covered include Core Java APIs, Class Design, Exceptions, Generics, Lambdas, Streams, I/O, Concurrency. Prepares students for the Oracle Certification Exams 1Z0-808 and 1Z0-809. Students are required to take and pass one of the two exams.

Prerequisite: CIS 143 OR CS 143 with grade of 2.0 or better, or Instructor Permission.

CIS 245–Microsoft LAN Administration III**Cr: 5 Wkly hrs: 4 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.

CIS 247–Certified Ethical Hacker**Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab**

Students learn to use current security systems. Students will learn perimeter defenses, how to scan networks for attacks, how intruders escalate privileges and what steps can be taken to secure a system.

Prerequisite: CIS 111 and CIS 182 with a 2.0 or higher, or instructor permission.

CIS 249–Computer Hacking Forensic Investigator**Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab**

Students learn to use current computer forensic procedures and tools. Students will learn the techniques and processes for detecting cybercrime intrusions, implement the steps to properly extract and evaluate evidence, and conduct system audits to prevent future cybercrimes.

Prerequisite: CIS 111 and CIS 182 with a 2.0 or higher, or instructor permission.

CIS 255–Web Scripting**Cr: 5 Wkly hrs: 5 hours Lecture**

Students build upon the skills of Web Development I to introduce JavaScript, libraries, and simple server side processing within the HTML5 framework.

Prerequisite: CIS 141 and CIS 155.

CIS 258–Web 2.0**Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab**

Students will focus on emerging trends in Web 2.0 technologies like search engine optimization, analytics, Web APIs, adaptive/responsive Web sites, and content management systems. Students will work in teams to explore and demonstrate key Web 2.0 technologies and concepts.

Prerequisite: CIS 155 - Web Development I

CIS 261–Linux I**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.

Prerequisite: CIS 111 and 141 with a grade of 2.0 or above or permission of instructor.

CIS 262–Linux II**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.

Prerequisite: CIS 261 or permission of instructor.

CIS 270–Cisco I**Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab**

The student will be introduced to and understand the development in the design and installation of local area networks to ensure optimal throughput.

CIS 271–Cisco II**Cr: 6 Wkly hrs: 5 hours Lecture, 2 hours Lab**

An introduction to Cisco basic router configuration for local area networks.

Prerequisite: CIS 270

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.

Prerequisite: CIS 270

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.

Prerequisite: CIS 271 and CIS 272.

CIS 274–CCNA Security**Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Clinic**

This course will prepare students for successful achievement of the Cisco Certified Network Associate (CCNA) Security certification.

Prerequisite: CIS 271 or permission of the instructor

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.

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.

Prerequisite: CIS 142 or CIS 145 with a grade of 2.0 or above, or permission of instructor.

CIS 298–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.

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. (Formerly CS 176/MATH 176)

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. (Formerly CS 177/MATH 177)

Prerequisite: CS& 141 with grade of 2.0 or better

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.**Prerequisite: CS 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 MATH 240)

Prerequisite: MATH& 163 with grade of 2.0 or better.**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, or 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.**CO-OP 189A–Community Volunteer Service****Cr: 2 Wkly hrs: 6 hours Clinic**

Course can be offered as: CO-OP 189A, 189B, or 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, or 224.

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 225–Cooperative Work Experience****Cr: 1-13 Wkly hrs: 39 hours Clinic**

Course can be offered as: CO-OP 225, 226, 227, or 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, or 289C.

The Community Volunteer Service course utilizes Cooperative Education to enable students to experience volunteerism as a central component of life and career planning.

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: None**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: None**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: None**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 reformation.

Prerequisite: None**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: None**COS 113–Intermediate Haircutting****Cr: 2 Wkly hrs: 2 hours Lecture**

The technical elements of intermediate haircutting needed to provide additional knowledge and skills.

Prerequisite: Completion of or concurrent enrollment in COS 103 and COS 123.**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 104 or concurrent enrollment in COS 104.**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: Completion of or concurrent enrollment in COS 105 and COS 225.**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: None**COS 121–Facial Makeup****Cr: 1 Wkly hrs: 1 hours Lecture**

Basic makeup application techniques implementing cosmetic color theory concepts.

Prerequisite: None**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: Completion of or concurrent enrollment in COS 103 and COS 113.**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: None**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: None**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: None**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 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 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 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 154

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.

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 Esthiology.

Prerequisite: None

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: None

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, upselling 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: None

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 211–Braiding and Extension Techniques

Cr: 1 Wkly hrs: 1 hours Lecture, 2 hours Lab

Designed to introduce a variety of methods of hair additions and extensions.

Prerequisite: Proof of Current Cosmetology License or Proof of Cosmetology Student Enrollment in a Licensed School.

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: Concurrent enrollment in COS 105 and COS 115.

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 positing in the field of cosmetology.

Prerequisite: None

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 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: None

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.

Culinary Arts

CULIN 101–Culinary Techniques

Cr: 6 Wkly hrs: 4 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: 6 Wkly hrs: 3 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 120–Sustainable Food Sys, Kitsap County

Cr: 2 Wkly hrs: 2 hours Lecture

Sustainable Kitsap County is a comprehensive tour of food establishments and their practices as related to the food system of Kitsap County: The family farm/homestead, Barner property on Olympic College campus, bringing food/related items to market, Farmers Markets, grocery/Co-op stores, local certified kitchens, Kitsap Health District, Kitsap Poultry Grocers Co-op, Puget Sound Meat Producers Co-op, local seafood purveyors, foraging organizations, and gleaning programs.

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 131–Food Production III

Cr: 6 Wkly hrs: 3 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.

Digital Media Arts

DMA 120–Beginning Photoshop

Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab

Students learn basic skills of Photoshop, an image manipulation software tool 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 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 236–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). (Formerly DMA 137)

Prerequisite: DMA 136 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 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)

Early Childhood Education

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/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 hours 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 hours 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)

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&138–Home Visitor/Parent Engagement

Cr: 3 Wkly hrs: 3 hours Lecture

Plan and provide home visits and group activities that promote secure parent-child relationships and support families to provide high-quality early learning experiences that are embedded in everyday routines and experiences.

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 NAEYC 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 090 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) to ensure a quality experience for children and to optimize learning and development. (Formerly ECE 166)

ECED&170–Environments-Young Child

Cr: 3 Wkly hrs: 3 hours Lecture

Design, evaluate, and improve indoor and outdoor environments which ensure 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 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 178–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–Lang/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)

ECED 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)

ECED&190–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 community. Practice reflection techniques, summarizing conclusions and communicating data. (Includes content formerly in 2-credit ECE 171)

ECED 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.

ECED 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)

ECED 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)

ECED 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)

Economics

ECON&201–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. (Formerly BS-EC 202)

Prerequisite: MATH 099 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.

ECON&202–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. (Formerly BS-EC 201)

Prerequisite: MATH 099 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.

Education

EDUC&101–Paraeducator Basics

Cr: 3 Wkly hrs: 3 hours Lecture

An introduction to roles and responsibilities of the Paraeducator in the K-12 educational system. Students will explore techniques supporting instruction, professional and ethical practices, positive and safe learning environments, effective communication and teamwork.

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.

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 120–Instructional Strategies

Cr: 5 Wkly hrs: 5 hours Lecture

This is a course designed to give 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.

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 123–Classroom Management

Cr: 5 Wkly hrs: 5 hours Lecture

Classroom management and student discipline as tools to enhance student learning in the classroom.

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 131–Trauma Informed Teaching

Cr: 3 Wkly hrs: 3 hours Lecture

Course addresses using social-emotional learning strategies and content for recognizing, understanding, and responding to trauma and toxic stress, developing trauma-sensitive classroom spaces and behavioral practices, and using trauma-informed approaches to build positive student, teacher, and family relationships.

EDUC 132–Educational Technology/K-12 Setting

Cr: 5 Wkly hrs: 5 hours Lecture

The role of educational technology in a K-12 setting to enhance academic learning and success.

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)

EDUC&150–Child/Family/Community

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 involving families in the education of their child, and tools for effective communication. (Formerly ECE 210)

EDUC 191–Field Experience

Cr: 5 Wkly hrs: 1 hours Lecture, 12 hours Clinic

In a pre-K-12 setting, work alongside a teacher/ paraeducator, observing and demonstration best practices. In seminar and reflection link experiences with WA state Paraeducator Basic Competencies and Teacher Standards.

EDUC 199–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.

EDUC&202–Intro to Education

Cr: 5 Wkly hrs: 5 hours Lecture

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. (Formerly EDUC 101)

EDUC&204–Introduction to Inclusive Education

Cr: 5 Wkly hrs: 5 hours Lecture

SS - Exploring trends, resources, and strategies for including children with disabilities, and their families, in the educational and the wider communities.

EDUC&240–Diversity in Education

Cr: 5 Wkly hrs: 5 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. Assists 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)

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 Z 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 trouble-shooting 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/assembler 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. (Formerly ENGR 120)

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.) (Formerly ENGR 215)

Prerequisite: MATH 221 and PHYS 255, both with 2.0 grade or higher.

ENGR&214–Statics

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.) (Formerly ENGR 210)

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.

ENGR&215–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.) (Formerly ENGR 230)

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.

ENGR&224–Thermodynamics

Cr: 5 Wkly hrs: 5 hours Lecture

Introduction to energy conservation topics with application to engineering design; including energy transformation and maximum efficiency. (Formerly ENGR 260)

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.

ENGR&225–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. (Formerly ENGR 220)

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 141 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 material 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: 2.5 hours Lecture, 5 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: 1-6 Wkly hrs: 4.5 hours Lecture, 3 hours Lab

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 ENGL 091 with grades of 2.00 or better, or ENGL 092 with grades of 2.00 or better, or instructor permission

ENGL&101–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. (Formerly ENGL 101)

Prerequisite: Appropriate placement test score, or ENGL 091 with grades of 3.30 or better, or ENGL 099 with grades of 2.00 or better, or completion of IE 094 and IE 004 with grades of 3.0 or better; with grades of 3.00 or better, or completion of IE 100 and IE 101 with grades of 2.0 or better; with grades of 2.00 or better, or English 101 instructor permission

ENGL&102–Composition II

Cr: 5 Wkly hrs: 5 hours Lecture

A continuation of ENGL& 101 with emphasis on argumentation, research, and documentation. (Formerly ENGL 102)

Prerequisite: Successful completion of ENGL& 101 with a 2.0 or better or its equivalent.

ENGL&111–Intro to Literature

Cr: 5 Wkly hrs: 5 hours Lecture

H - A study of major literary forms and methods of interpretation. (Formerly ENGL 140)

ENGL&113–Intro to Poetry

Cr: 5 Wkly hrs: 5 hours Lecture

H - The course covers a selection of poets writing in English. The nature and development of their poetry and its distinguishing features. Also considers several schools of literary criticism. (Formerly ENGL 143)

Prerequisite: ENGL& 101.

ENGL 135–Literature of Comic Books and Graphic Novels

Cr: 5 Wkly hrs: 5 hours Lecture

H - A survey of the rhetoric used in graphic novels and comic books with an emphasis on its representations of social issues and their place in history. The texts will include multiple authors who use comics as a medium to tell powerful stories, some of which are a very personal retelling of their own history. We will be look at the superhero genre as it is the dominant narrative used in comic books/graphic novels but will move beyond this genre towards texts that use this medium to provide powerful narratives and ideologies.

ENGL 141–The Short Story

Cr: 2 Wkly hrs: 2 hours Lecture

H - The nature and development of short fiction.

ENGL 150–Contemporary Literature

Cr: 5 Wkly hrs: 5 hours Lecture

H - A survey of literature and its background, primarily since 1950. Emphasis on criticism of representative works.

ENGL 152–Special Topics in Literature

Cr: 5 Wkly hrs: 5 hours Lecture

H - An in-depth study of a single author's work 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 170–Introduction to Creative Writing

Cr: 5 Wkly hrs: 5 hours Lecture

H - This course focuses on entry-level creative writing practices. We will study introductory craft elements of three genres, including short fiction and poetry. The course will use a workshop model to draft, share, and revise texts.

Prerequisite: ENGL 99 with grade of 2.0 or better, or any College Level English Course.

ENGL&220–Intro to Shakespeare

Cr: 5 Wkly hrs: 5 hours Lecture

H - Studies in several major dramas and sonnets. (Formerly ENGL 269)

ENGL&226–British Literature I

Cr: 5 Wkly hrs: 5 hours Lecture

H - A survey of the development of English Literature from its beginnings through the later middle ages. (Formerly ENGL 266)

ENGL&227–British Literature II

Cr: 5 Wkly hrs: 5 hours Lecture

H - A survey of the development of English Literature from the Renaissance through 1789. (Formerly ENGL 267)

ENGL&228–British Literature III

Cr: 5 Wkly hrs: 5 hours Lecture

H - A survey of English Literature from 1789 to the present. (Formerly ENGL 268)

ENGL&235–Technical Writing

Cr: 5 Wkly hrs: 5 hours Lecture

Problem-solving strategies, information literacy, and research for professional and technical writing applications. (Formerly ENGL 104)

Prerequisite: Successful completion of ENGL& 101 with a 2.0 or better or its equivalent.

ENGL&244--American Literature I**Cr: 5 Wkly hrs: 5 hours Lecture**

H - A survey of the development of American literature from Colonial Times through the Civil War. (Formerly ENGL 260)

ENGL&245--American Literature II**Cr: 5 Wkly hrs: 5 hours Lecture**

H - A survey of the development of American literature from the post-Civil War period to the present. (Formerly ENGL 261)

ENGL 254--Science Fiction Literature**Cr: 5 Wkly hrs: 5 hours Lecture**

H - A survey of the literature of science fiction, with an emphasis on the theme of diversity, including the representation of gender, race, social class, sexuality, and culture in the 20th and 21st centuries, as well as the role of diversity in the authorship of science fiction short stories and novels. Authors and works will vary, but may include Shelley, Wells, Bradbury, Asimov, Le Guin, Delaney, Atwood, Butler, and Okorafor.

Prerequisite: ENGL& 101 with Grade of 2.0 or better OR ENGL& 111 with grade of 2.0 or better OR ACES 101 with grade of 2.0 or better**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 265--British Literature: 19th Century**Cr: 5 Wkly hrs: 5 hours Lecture**

H - A survey of Romantic and Victorian British Literature, covering the approximate years 1800 to 1900. Authors and works vary, but may include Wordsworth, Coleridge, Shelley, Keats, Austen, Brontë, Tennyson, Eliot, Browning, Dickens, Thackeray, and Wilde.

Prerequisite: ENGL& 101 with grade of 2.0 or better OR ENGL& 111 with grade of 2.0 or better.**ENGL 266--British Literature: 20th and 21st-Century****Cr: 5 Wkly hrs: 5 hours Lecture**

H - A survey of modernism, postmodernism, and postcolonialism in British Literature from 1900 to the present day. Authors and works vary, but may include Conrad, Joyce, Woolf, Auden, Achebe, Rhys, Ballard, Smith, and Rushdie.

Prerequisite: ENGL& 101 with grade of 2.0 or better OR ENGL& 111 with grade of 2.0 or better.**Prerequisite: ENGL 270--Creative Writing--Narration****Cr: 5 Wkly hrs: 5 hours Lecture**

H - Development of biographical or autobiographical accounts. 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 long fictional narratives. 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 286--Women's Literature****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.

Prerequisite: Successful completion of English 102 and 235 with a minimum GPA of 2.0.**ENGL 328--Literature and Medicine****Cr: 1-5 Wkly hrs: 5 hours Lecture**

H - A study of medical themes in literature, exploring different representations of health, illness, and medical practice in novels, short fiction, and poetry. Literature and Medicine places emphasis on the historical and cultural contexts of both the literary works and their medical subjects, as well as how the methods of literary studies contribute to knowledge in the field of medicine. Authors, time periods, and nations covered may vary, but will typically include texts from the 19th and 20th centuries in Britain and America.

Prerequisite: Students must be accepted into a bachelor's program at Olympic College or have instructor permission. ENGL& 101 or the equivalent with a 2.0 or better.**Prerequisite: ENGL 345--American Literature II - Advanced****Cr: 1-5 Wkly hrs: 5 hours Lecture**

H - A survey of the development of American literature from the post-Civil War period to the present. Not a continuation of ENGL 245. Students may receive credit for ENGL 245 or ENGL 345, but not both.

Prerequisite: ENGL 101 or the equivalent with a 2.0 or better.**Fashion****FASH 101--Introduction to the Fashion Industry****Cr: 5 Wkly hrs: 5 hours Lecture**

An in-depth look at the structure and the interrelationships between the consumer and the primary, secondary, and auxiliary market segments within the fashion industry.

FASH 102--Visual Merchandising & Promotion**Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab**

A comprehensive study of merchandising which includes: presentation, analysis, experimentation and research of the merchandise presentation environment. Learn the practical application of store image, color, texture and display theories of visual merchandising techniques in the fashion industry. Field trips included.

FASH 103--History of Fashion**Cr: 5 Wkly hrs: 5 hours Lecture**

An overview of costume history in Western culture from ancient civilizations to the present. Examine cultural, social, and historical events and analyze their effect on the history of costume and apparel, including the influence of historical costume on fashion today.

FASH 104--Fashion Styling**Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab**

An overview on the art of styling and how to master it. Gain a unique insight as to what it takes creatively to become a fashion stylist by: understanding how to dress different body types; identify marketing strategies from a styling perspective; and by developing a final project incorporating style, image and identity using visual and written presentation.

FASH 105--Store Operations**Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab**

Learn the steps needed to develop a retail operation, how to analyze business situations and apply solutions based on sound management theory, and how to examine the processes involved in maintaining a successful retail establishment.

FASH 106--Fashion Trends and Forecasting**Cr: 3 Wkly hrs: 2 hours Lecture, 2 hours Lab**

Students will develop an understanding of the process, methods and influence of trend analysis and forecasting for the fashion business used for developing a merchandising plan for a retail business.

Prerequisite: None.

FASH 107–Event Planning**Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab**

Event planning offers the opportunity to develop and present an idea, product or brand from the original idea, through the public relations process, in order to engage with consumers in new and exciting ways. The final project is the actual event.

Prerequisite: None.**FASH 108–Fashion Merchandising in NYC****Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab**

Students, under faculty supervision, visit New York City to study the factors involved in fashion marketing, design and the international customer's attitudes about fashion. Career opportunities research is included.

Prerequisite: None.

Filmmaking

FILM 199–Practicum**Cr: 1-5 Wkly hrs: 10 hours Lab**

Course can be offered as: FILM 199/299.

Practical application in the working world of the basic theories studied in dramatic arts.

FILM 240–Acting for the Camera I**Cr: 5 Wkly hrs: 5 hours Lecture**

An applied study of the camera actor's craft. Topics include feature film, daytime drama and television series performance styles. (Formerly DRMA 240)

FILM 241–Acting for the Camera II**Cr: 5 Wkly hrs: 5 hours Lecture**

An intermediate applied study of the camera actor's craft. Topics include feature film, daytime drama and television series performance styles. (Formerly DRMA 241)

Prerequisite: FILM 240.**FILM 242–Acting for the Camera III****Cr: 5 Wkly hrs: 5 hours Lecture**

An advanced applied study of the camera actor's craft. Topics include feature film, daytime drama and television series performance styles. (Formerly DRMA 242)

Prerequisite: FILM 241.**FILM 243–Acting for the Camera IV****Cr: 5 Wkly hrs: 5 hours Lecture**

An advanced and professional applied study of the camera actor's craft. Topics include feature film, daytime drama and television series performance styles. (Formerly DRMA 243)

Prerequisite: FILM 242.**FILM 245–Screenwriting I****Cr: 5 Wkly hrs: 5 hours Lecture**

Students use computerized tools to practice the art and craft of scriptwriting. Emphasis is placed on genre-specific story structure development and execution. (Formerly DRMA 245)

FILM 246–Screenwriting II**Cr: 5 Wkly hrs: 5 hours Lecture**

Students use computerized tools to practice the art and craft of scriptwriting at an intermediate level. Emphasis is placed on genre-specific story structure development and execution. (Formerly DRMA 246)

Prerequisite: FILM 245.**FILM 247–Screenwriting III****Cr: 5 Wkly hrs: 5 hours Lecture**

Students use computerized tools to practice the art and craft of scriptwriting at an advanced level. Emphasis is placed on genre-specific story structure development and execution. (Formerly DRMA 247)

Prerequisite: FILM 246.**FILM 248–Screenwriting IV****Cr: 5 Wkly hrs: 5 hours Lecture**

Students use computerized tools to practice the art and craft of scriptwriting at an advanced and professional level. Emphasis is placed on genre-specific story structure development and execution. (Formerly DRMA 248)

Prerequisite: FILM 247.**FILM 270–Film Producing I****Cr: 5 Wkly hrs: 5 hours Lecture**

This class provides students with an introductory overview of the role of producer during the pre-production, production and post-production of a motion picture. (Formerly DRMA 270)

FILM 271–Film Producing II**Cr: 5 Wkly hrs: 5 hours Lecture**

This class focuses on an intensive examination of the role of digital marketing platforms and social media in producing and promoting motion pictures. (Formerly DRMA 271)

Prerequisite: Film Producing I**FILM 280–Film Directing****Cr: 5 Wkly hrs: 5 hours Lecture**

Introduces the professional practices and techniques of feature film directing including pre-visualization, storyboarding, film language, staging, lighting, editing, camera angles and framing composition. (Formerly DRMA 280)

FILM 281–Film Directing II**Cr: 5 Wkly hrs: 5 hours Lecture**

Practical application and intermediate techniques of feature film directing including pre-visualization, film language, staging, lighting, camera angles, framing composition and key frame methodology. (Formerly DRMA 281)

FILM 285–Digital Filmmaking I**Cr: 5 Wkly hrs: 5 hours Lecture**

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. (Formerly DRMA 285)

FILM 286–Digital Filmmaking II**Cr: 5 Wkly hrs: 5 hours Lecture**

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. (Formerly DRMA 286)

Prerequisite: FILM 285.**FILM 287–Digital Filmmaking III****Cr: 5 Wkly hrs: 5 hours Lecture**

This hands-on advanced 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. (Formerly DRMA 287)

Prerequisite: FILM 286.**FILM 288–Digital Filmmaking IV****Cr: 5 Wkly hrs: 5 hours Lecture**

In this course, the instructor will guide the students to collaborate on short film projects in a practicum environment. Students will select and concentrate on a primary specialization from the various technical and creative disciplines within digital film production. (Formerly DRMA 288)

Prerequisite: FILM 287.**FILM 289–Digital Filmmaking V****Cr: 5 Wkly hrs: 5 hours Lecture**

This advanced hands-on course focuses on the practical application of the art through producing short films and assigned special film projects that generate student demo reels. Students receive individual instruction within their primary digital filmmaking specialization and often work independently in this project-based class. (Formerly DRMA 289)

Prerequisite: FILM 288.**FILM 301–Directing Actors in a Film Performance****Cr: 5 Wkly hrs: 5 hours Lecture**

This course examines highly effective film directing styles and techniques that inspire actors to create real behavior and authentic emotion in an on-camera performance.

Prerequisite: BAS in Digital Filmmaking Program Acceptance or Instructor Approval is required to register for this course.**FILM 310–Advanced Cinematography****Cr: 5 Wkly hrs: 5 hours Lecture**

This course focuses on developing a critical eye, creating an individual approach to cinematography and successful collaboration to create an original, adaptable cinematic look for a digital film. Students will learn advanced camera techniques and movements, the importance and uses of professional lenses, the exclusive and inclusive nature of frame composition, and the impact of lighting on the overall look and feel of a film.

Prerequisite: BAS in Digital Filmmaking Program Acceptance or Instructor Approval is required to register for this course.

FILM 320–Advanced Film Directing

Cr: 5 Wkly hrs: 5 hours Lecture

In this class, we will analyze in the classroom, and explore hands-on, the elements needed to develop a personal voice and style in film-making. Students will combine advanced techniques in script analysis, actor staging and blocking, and carefully designed camera movement as elements of visual style with detailed analysis of subject, theme, and point of view as elements of voice.

Prerequisite: BAS in Digital Filmmaking Program Acceptance or Instructor Approval is required to register for this course.

FILM 330–Advanced Scene Study for Film Actors I

Cr: 5 Wkly hrs: 5 hours Lecture

This emotionally challenging class explores the actor's method of creating a personal reality within an imaginary scene that spontaneously generates real behavior and authentic emotion.

Prerequisite: BAS in Digital Filmmaking Program Acceptance or Instructor Approval is required to register for this course.

FILM 340–Advanced Film Producing

Cr: 5 Wkly hrs: 5 hours Lecture

This class is a survival guide to understanding what it takes to develop a feature film, TV, or new media project from script to screen without sacrificing its creative elements or vision due to budgetary constraints.

Prerequisite: BAS in Digital Filmmaking Program Acceptance or Instructor Approval is required to register for this course.

FILM 350–Advanced Post-Production Techniques

Cr: 5 Wkly hrs: 5 hours Lecture

Description: Students will use industry-standard applications to develop an advanced understanding of commonly used post-production techniques used in digital filmmaking workflow. Combining analysis and hands-on practice in non-linear editing, color correction, sound design and mixing, students will then apply this knowledge to pre-existing digital footage.

Prerequisite: BAS in Digital Filmmaking Program Acceptance or Instructor Approval is required to register for this course.

FILM 360–Master Storytelling Workshop

Cr: 5 Wkly hrs: 5 hours Lecture

This advanced scriptwriting class takes an analytical and creative hands-on approach to the art and craft of compelling storytelling from conventional, unconventional, new and emerging standpoints. The focal point of this class is on intensive screenwriting and/or perfecting the student's preexisting script by analyzing and exploring the story's central question, finessing character arcs, building tension and momentum and cause and effect connections, as well as isolating the marketable aspects of the script, while balancing the needs of emerging and conventional demands. Students will have the option of writing independently or collaborating on a screenplay.

Prerequisite: BAS in Digital Filmmaking Program Acceptance or Instructor Approval is required to register for this course.

FILM 401–History of Film

Cr: 5 Wkly hrs: 5 hours Lecture

This course is an overview of the history and theory of global film art from the early silent era to our modern age of digital filmmaking.

Prerequisite: BAS in Digital Filmmaking Program Acceptance or Instructor Approval is required to register for this course.

FILM 410–Psychology of Film

Cr: 5 Wkly hrs: 5 hours Lecture

This class provides students with an advanced examination of topics, theories and practices relating to psychology and their practical application to visual storytelling and film analysis. Students will gain invaluable insight and a dynamic working knowledge of the process of analyzing conventional films and screenplays, as well as student work in film and/or screenplay formats while developing innovative methods for improvement.

Prerequisite: BAS in Digital Filmmaking Program Acceptance or Instructor Approval is required to register for this course.

FILM 420–Emerging Technologies in Filmmaking

Cr: 5 Wkly hrs: 5 hours Lecture

Students will explore the ever-changing landscape of storytelling, evolving production techniques, and post-production workflow for cutting edge technologies such as Virtual Reality (VR) and other interactive media. This class provides an innovative analysis and breakdown of storytelling methods, camera, lighting, directing, and blocking techniques applicable to emerging technologies in digital film, and examines their impact ethically and globally from both creative and business perspectives.

Prerequisite: BAS in Digital Filmmaking Program Acceptance or Instructor Approval is required to register for this course.

FILM 430–Advanced Scene Study for Film Actors II

Cr: 5 Wkly hrs: 5 hours Lecture

In this psychologically demanding course students explore advanced scenes furthering the refinement and development of their emotional availability and creative imaginations.

Prerequisite: BAS in Digital Filmmaking Program Acceptance or Instructor Approval is required to register for this course.

FILM 440–Production Workshop 1

Cr: 5 Wkly hrs: 5 hours Lecture

In this course students will immerse themselves in the pre-production and development phases of making a Final Film Project. This class will provide innovative hands-on experience with outlining deliverables, location scouting, budgeting, creative financing, project development, and an in-depth examination of existing and emerging distribution platforms.

Prerequisite: BAS in Digital Filmmaking Program Acceptance or Instructor Approval is required to register for this course.

FILM 450–Production Workshop 2

Cr: 5 Wkly hrs: 5 hours Lecture

In this course students will delve into the production and post-production phases of a Final Film Project that exhibits their individual voice and/or style. Students will fulfill a crucial, creative, production and/or post-production role in two student films, or their own film and another student's film.

Prerequisite: BAS in Digital Filmmaking Program Acceptance or Instructor Approval is required to register for this course. Completion of FILM 440 is also required.

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. (Formerly FLFRN 101)

FRCH&122–French 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 French speaking countries. (Formerly FLFRN 102)

Prerequisite: FRCH& 121 or equivalent.

FRCH&123–French III

Cr: 5 Wkly hrs: 5 hours Lecture

H - Deals with upper basic vocabulary and grammar structures for conversational purposes and level. Explores linguistic, geographical and cultural aspects and differences of the French speaking countries and peoples. (Formerly FLFRN 103)

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 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 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.

GEN-S 133–Running Start and Beyond

Cr: 3 Wkly hrs: 3 hours Lecture

Running Start and high school completion students will showcase their accomplishments and be encouraged to think analytically, logically and creatively as they explore, set and apply learning to future career/academic goals. Students will participate in a minimum of 10 supervised volunteering or community services hours.

GEN-S 141–Career and Transfer Planning

Cr: 2 Wkly hrs: 2 hours Lecture

Students will create an individualized degree plan, establish or change career goals, learn the college transfer process, develop essential job seeking and career development skills, research admission/major requirements, and identify resources for college adjustment issues.

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 address processes within the atmosphere, hydrosphere, lithosphere, biosphere, and cryosphere. Areas of study include seasons, weather, climate, landscape formation, distribution of plants and animals. Includes laboratory and field studies. (Formerly GEOG 102)

Prerequisite: Previous science class recommended.

GEOG&250–Geography of the Pacific Northwest

Cr: 5 Wkly hrs: 5 hours Lecture

SS - A lecture/field course introducing the physical, economic and cultural geography of the Pacific Northwest. (Formerly GEOG 120)

Prerequisite: ENGL 099 is recommended. Students will need to provide their own transportation to field study sites that are within a maximum radius of 60 miles from the OC Bremerton campus. Field study visits are required once a week.

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)

Prerequisite: A previous science class is recommended.

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 Geology

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. (Formerly GEOL 102)

GEOL 155–Geologic Hazards

Cr: 5 Wkly hrs: 5 hours Lecture

NS - This course investigates a number of geologic hazards such as earthquakes, tsunamis, 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. (Formerly GEOL 108)

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. (Formerly FLGRM 101)

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. (Formerly FLGRM 102)

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. (Formerly FLGRM 103)

Prerequisite: GERM& 122 or equivalent.

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&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. (Formerly HIST 101)

HIST&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. (Formerly HIST 102)

HIST&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. (Formerly HIST 103)

HIST&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. (Formerly HIST 104)

Prerequisite: ENGL& 101 with a grade of 2.0 or above.

HIST&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. (Formerly HIST 105)

Prerequisite: ENGL& 101 with a grade of 2.0 or above.

HIST&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. (Formerly HIST 250)

Prerequisite: Completion of ENGL& 101 with a grade of 2.0 or above is strongly recommended.

HIST&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. (Formerly HIST 240)

Prerequisite: Completion of ENGL& 101 with a grade of 2.0 or above is strongly recommended.

HIST&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. (Formerly HIST 235)

Prerequisite: Completion of ENGL& 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.

Prerequisite: Completion of ENGL& 101 with a grade of 2.0 or above is strongly recommended.

HIST 245–History of U.S. Immigration**Cr: 5 Wkly hrs: 5 hours Lecture**

SS - This course examines immigration to the United States from colonization to the present. We will explore immigration patterns, laws, and debates, while placing them in historical context. We will read primary sources and first-hand accounts to better understand the diversity of immigration processes and experiences.

Prerequisite: Completion of ENGL& 101 with a grade of 2.0 or above is strongly recommended.

HIST 253–World War I in History and Literature**Cr: 5 Wkly hrs: 5 hours Lecture**

H/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. May take other HSEM courses concurrently.

HSEM 110–Basic Incident Command System/National NIMS**Cr: 2 Wkly hrs: 2 hours Lecture**

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).

Prerequisite: HSEM 102 completed or concurrent or program advisor approval. Should be taken at first opportunity upon entering the HSEM degree program.

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 contingency planning for areas such as Special Needs (Vulnerable Populations) or Animal Sheltering are included.

Prerequisite: HSEM 102 completed or concurrent or program advisor approval.

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/downlinks and Geographic Information System (GIS)/ Global Positioning System (GPS) capabilities.

Prerequisite: HSEM 102 completed or concurrent or program advisor approval.

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.

Prerequisite: HSEM 102 completed or concurrent or program advisor approval.

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.

Prerequisite: HSEM 102 completed or concurrent or program advisor approval.

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.

Prerequisite: HSEM 102 completed or concurrent or program advisor approval.

HSEM 190–Special Topics in HSEM

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 completed or concurrent or program advisor 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 with a 2.0 grade or higher.

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 with 2.0 grade or better 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 completed or concurrent or program advisor approval.

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 with grade of 2.0 or better 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. Students must contact the two following individuals: Ms. Cindy Bassage, CBassage@pierce.ctc.edu, 253-912-3675, required administrative paperwork Mr. Jim Baylor, JBaylor@pierce.ctc.edu, 253-912-2399 Ext: 5767, required course content

Prerequisite: HSEM 102 with 2.0 grade or higher. 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 with 2.0 grade or higher.

Hospitality 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 expositions, leisure 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: 3 Wkly hrs: 3 hours Lecture

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.

Prerequisite: Instructor signature, students must have a valid Kitsap County Food Handler's permit to provide to instructor, taken and passed HMGMT 102 with at least a 2.0 grade.

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.

Prerequisite: 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.

Prerequisite: 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 a 2.0 or better.

Prerequisite: HS 112–Case Management for CDP

Cr: 5 Wkly hrs: 5 hours Lecture

Assessment, case management, and documentation for Chemical Dependency Professionals. This course meets topic areas D, F, Q, & V in the WAC 246-811-030 (minimum education requirements for a chemical dependency professional credential).

Prerequisite: ENGL& 101 with a 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 a 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 a 2.0 or better, HSSA& 101.

HS 115--Adolescent Addiction Treatment & Prevention

Cr: 3 Wkly hrs: 3 hours Lecture

Survey of accepted counseling modalities, techniques and methods for assessing and treating chemically dependent adolescents. This course meets topic area U in the WAC 246-811-030 (minimum education requirements for a chemical dependency professional credential).

Prerequisite: ENGL& 101 with a 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 a 2.0 or better, HSSA& 101.

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.

Prerequisite: 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 126--Domestic Violence & Sexual Assault Advocate Core

Cr: 3 Wkly hrs: 3 hours Lecture

SS - For those interested in learning how to advocate for sexual assault and domestic violence survivors this 30 hour Washington State approved training is intended to develop responsive and effective advocacy skills to support survivors and is recognized by the Office of Crime Victims Advocacy.

HS 275--HUMAN Services & CDP Practicum 1

Cr: 5 Wkly hrs: 2 hours Lecture, 9 hours Clinic

Practicum offers opportunities for students to demonstrate competency 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 competency 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. (Formerly FS 104/HS 104)

Prerequisite: ENGL& 101 with a 2.0 or better.

Humanities

HUMAN 101--Diversity and American Culture

Cr: 5 Wkly hrs: 5 hours Lecture

H/SS - This course introduces students to the interdisciplinary study of diversity in American culture and society through the synthesis of theories, concepts, and insights from literature, sociology, and history. Students will have the opportunity to examine various media and their own complex identities and families in specific socio-historical and cultural contexts. Through careful reading and discussion of novelists, short story writers, artists, activists, historians, and sociologists, we will explore how meanings of race, ethnicity, class, gender, sexuality, and disability are formed in relationship to lived experiences and American ideologies. (Same as ACES 101)

Prerequisite: Completion of ENGL& 101 with a grade of 2.0 or above is strongly recommended.

HUMAN 102--The LGBTQ Experience

Cr: 5 Wkly hrs: 5 hours Lecture

H/SS - This course provides students with an introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies. Students will become familiar with critical approaches to the study of sexuality and gender from an interdisciplinary perspective. Focus will be on investigating the production and regulation of sexualities in relation to gender identities, popular culture, racial and national formations, and media aesthetics. The class will also engage varying competing arguments about contemporary controversies. Readings and primary texts will include historical materials, sociological studies, queer and transgender theory, activist

publications, memoirs, literary fiction, nightclub culture, drag performances, and film. (Same as ACES 102).

Prerequisite: Completion of ENGL& 101 with a grade of 2.0 or above is strongly recommended.

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 160--Latina/os and Hollywood Imagery

Cr: 5 Wkly hrs: 5 hours Lecture

H/SS - This course is devoted to analyzing representations of Latina/os and Chicana/os in Hollywood culture and cinema. How are actors and filmmakers working to challenge stereotypes? How do past patterns of Hollywood imagery remain in our present? Through the study of narrative and cinematic art forms, students will decipher and critique how meanings of race, class, gender, and sexuality get produced and sometimes contest long-held beliefs about Latina/o and Chicana/o identities. Films, literary fiction, and television programs will be historically and theoretically situated in order to examine the social significance and political impact of Hollywood's imagery on one of the fastest growing social groups in American society. Special attention may be given to issues of labor, language, immigration, and Latina and Chicana feminism. *Note: "Latina/o" refers to people of Latina American descent in the U.S., while "Chicana/o" refers to people of Mexican descent in the U.S. (Same as ACES 160)

Prerequisite: Completion of ENGL& 101 with a grade of 2.0 or above is strongly recommended.

HUMAN 170--Black Voices in America

Cr: 5 Wkly hrs: 5 hours Lecture

H/SS - This course focuses on the voices and experiences of black people in the United States, emphasizing ideas and concepts in black social thought, political protest, and artistic efforts to initiate social change. By drawing from visual art, music, literature, history and the social sciences, the course will examine how the wide-spectrum of black leaders, intellectuals, and organizations have focused their energies in finding ways to thrive and to work toward the elimination of institutional racism, sexism, homophobia, and classism. Overall, students will acquire a fuller understanding of the cultural and historical developments of black America as they relates to issues of social justice. (Same as ACES 170).

Prerequisite: Completion of ENGL& 101 with a grade of 2.0 or above is strongly recommended.

HUMAN 175--Politics and Literature

Cr: 5 Wkly hrs: 5 hours Lecture

H/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 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—Introduction to Women's and Gender Studies**Cr: 5 Wkly hrs: 5 hours Lecture**

H - A survey of gender, gender identity, women, and feminism in American Culture and trans-nationally, history, literature, and the media. Students may receive credit for HUMAN 220 or HUMAN 320 but not both. The student expectations in HUMAN 320 are more rigorous than HUMAN 220.

HUMAN 230—Pacific Northwest Voices**Cr: 5 Wkly hrs: 5 hours Lecture**

H - This course offers students a chance to explore diversity? in our own backyard! We will consider how the interwoven histories of the Salish Sea (the Puget Sound), the growth of Seattle into a world-class city, and the tensions of the environmental and economic forces of the Kitsap Peninsula (including the region's military significance) inform and underpin fiction, poetry, and non-fiction narratives. Students will explore how narratives of family, community, local history, and even the Pacific Northwest bioregion affect their own narratives of identity and construction(s) of knowledge. A reading-, writing-, and exploration-intensive course, Pacific Northwest Voices includes a field trip component as well as a cumulative class project.

Prerequisite: ENGL& 101 with grade of 2.0 or better or Instructor Approval.**HUMAN 235—Labor and Film****Cr: 5 Wkly hrs: 5 hours Lecture**

H/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 POLS 235)

HUMAN 236—Writers/Writing as Activism**Cr: 5 Wkly hrs: 5 hours Lecture**

H - Writers/Writing as Activism will immerse students in writing and actions to persuade and to enact social change. It will invite students to do in depth research into relevant topics and to choose from a variety of forms?written and oral and others to be determined (conference, play, etc.)?to create documents that seek to articulate the reasons for social change and what kind of change might be beneficial. Students will also collaborate and present work to the Olympic College and Bremerton-area community.

HUMAN 250—Major Film Directors and Works**Cr: 5 Wkly hrs: 5 hours Lecture**

H - A study in-depth of one film director's style, or selected major works by different directors. This is a writing course.

HUMAN 253—World War I in History and Literature**Cr: 5 Wkly hrs: 5 hours Lecture**

H/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 HIST 253)

HUMAN 257—Rock'N Roll: Music and Ideas**Cr: 5 Wkly hrs: 5 hours Lecture**

H - A historical overview of the Rock 'N Roll roots in the post-war world (1945-present), with an emphasis on its role in social/cultural evolution and its contributions to American and world cultures.

HUMAN 320—Women's and Gender Studies-Advanced**Cr: 5 Wkly hrs: 5 hours Lecture**

H/SS - Women's, Gender, and Sexuality Studies - Advanced is an interdisciplinary upper divisional introduction to the scholarly field of Women's, Gender, and Sexuality Studies. This is an interdisciplinary course that explores gender and sexuality in history, literature, culture, media, and various theoretical perspectives included but not limited to Feminist Theory, Queer Theory, and Intersectionality. The course aims to give students a solid intellectual foundation for the further study of gender as it operates in multiple social, cultural, political, and geographic locations.

Prerequisite: Students must be accepted into a bachelor's program at Olympic College or have instructor permission. Students must have completed ENGL& 101 or the equivalent with a 2.0 or better. Students who are not in a bachelor's program at Olympic College should take HUMAN 220. HUMAN 320 is not a continuation of HUMAN 220.**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**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.**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 the structural 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.**Prerequisite: 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 question(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; and 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.**Prerequisite: 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.**Prerequisite: 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 includes 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 administrators, 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 goals 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 001–English Fundamentals I: LN Listening/Speaking****Cr: 3 Wkly hrs: 3 hours Lecture**

An intensive academic English course designed for students with novice level listening and speaking skills. The course utilizes an ELL textbook and supplementary materials and emphasizes the basic sounds of the language that form words and basic communication skills in highly familiar contexts. (Formerly IE 091C)

Prerequisite: IE090B with a 2.0 or better or required ESL Accuplacer score or instructor permission.**IE 002–English Fundamentals II: LHN Listening/Speaking****Cr: 3 Wkly hrs: 3 hours Lecture**

An intensive academic English course designed for students with mid/high novice level listening and speaking skills. The course utilizes an ELL textbook along with supplementary authentic materials and emphasizes the application of basic grammar and vocabulary skills from the previous level as students continue to develop communicative competency. (Formerly IE 092C)

Prerequisite: IE 001 with a 2.0 or better or required ESL Accuplacer score or instructor permission.**IE 003–English Foundations: LI Listening/Speaking****Cr: 3 Wkly hrs: 3 hours Lecture**

An intensive academic English course designed for students with low/mid level listening and speaking skills. The course utilizes an ELL textbook along with supplementary authentic materials and emphasizes guided and unguided note-taking skills as students plan, prepare and present information related to more complex academic topics. (Formerly IE 093C)

Prerequisite: IE 002 with a 2.0 or better or required ESL Accuplacer score or instructor permission.**IE 004–English Integration: LHI Listening/Speaking****Cr: 3 Wkly hrs: 3 hours Lecture**

An intensive academic English course designed for students with mid/high intermediate level listening and speaking skills. The course utilizes an ELL textbook and supplementary authentic material and emphasizes the integration of guided and unguided note-taking skills as students plan, prepare and present information for a variety of purposes. (Formerly IE 094C)

Prerequisites: IE 003 with a 2.0 or better or required ESL Accuplacer score or instructor permission.**IE 015–English Fundamentals N. Listen/Speak/Gram/Vocab.****Cr: 10 Wkly hrs: 10 hours Lecture**

An intensive academic English course designed for students with novice level skills in Listening/Speaking and Grammar/Vocabulary. The course utilizes an ELL textbook along with supplementary materials and emphasizes the development of basic grammar skills, vocabulary strategies and active listening and speaking.

Prerequisite: None.**IE 016–English Fundamentals N. Reading/Writing****Cr: 5 Wkly hrs: 5 hours Lecture**

An intensive academic English course designed for students with novice level skills in reading and writing. The course uses an ELL textbook along with supplementary materials and emphasizes the development of reading strategies and basic sentence skills for writing. No prerequisite.

IE 017–English Fundamentals N. Listen/Speak**Cr: 3 Wkly hrs: 3 hours Lecture**

An intensive academic English course designed for students with novice level skills in listening and speaking. This course may use an ELL textbook, but focuses on the use of authentic materials and tasks to reinforce and practice active listening and speaking skills.

Prerequisite: None.**IE 025–English Fundamentals N Listen/Speak: Gram/Voc.****Cr: 10 Wkly hrs: 10 hours Lecture**

An intensive academic English course designed for students with mid to high novice level skills in Listening/Speaking and Grammar/Vocabulary. The course utilizes an ELL textbook along with supplementary materials and emphasizes the development of basic grammar skills, vocabulary strategies and active listening and speaking.

Prerequisite: IE 15, or ESL placement score or instructor permission.**IE 026–English Fundamentals N. Reading/Writing****Cr: 5 Wkly hrs: 5 hours Lecture**

An intensive academic English course designed for students with mid to high novice level skills in reading and writing. The course uses an ELL textbook along with supplementary materials and emphasizes the development of reading strategies and basic sentence skills for writing.

Prerequisite: IE 16, or ESL placement score or instructor permission.**IE 027–English Fundamentals N. Listening/Speaking****Cr: 3 Wkly hrs: 3 hours Lecture**

An intensive academic English course designed for students with mid to high novice level skills in listening and speaking. This course may use an ELL textbook, but focuses on the use of authentic materials and tasks to reinforce and practice active listening and speaking skills.

Prerequisite: IE 17, or ESL placement score or instructor permission.**IE 035–English Foundations I. Listen/Speak/Gram/Voc****Cr: 10 Wkly hrs: 10 hours Lecture**

An intensive academic English course designed for students with low to mid-level intermediate listening/speaking and grammar/vocabulary skills. The course utilizes an ELL textbook along with supplementary materials and emphasizes active listening and speaking skills, along with guided and unguided note-taking skills, as students plan, prepare and present information related to more complex academic topics.

Prerequisite: IE 25, or ESL placement score or instructor permission.

IE 036–English Foundations I. Reading/Writing

Cr: 5 Wkly hrs: 5 hours Lecture

IE 037–English Foundations I. Gram/Vocab

Cr: 3 Wkly hrs: 3 hours Lecture

IE 045–English Integration IA. Read/Write/Listen/Speak

Cr: 10 Wkly hrs: 10 hours Lecture

An intensive academic English course for students with intermediate to advanced reading/writing and listening speaking skills. The course utilizes an ELL textbook along with supplementary materials and emphasizes the development of reading strategies and listening skills as students engage in more advanced production task related to writing and speaking.

Prerequisite: IE 35, or ESL placement score or instructor permission

IE 046–English Integration IA. Gram/Vocab.

Cr: 5 Wkly hrs: 5 hours Lecture

An intensive academic English course for students with intermediate to advanced grammar and vocabulary skills. The course utilizes and ELL textbook along with supplementary materials and emphasizes the development of vocabulary strategies and grammar knowledge and skills.

Prerequisite: IE 36, or ESL placement score or instructor permission

IE 047–English Integration IA. Reading/Writing

Cr: 3 Wkly hrs: 3 hours Lecture

An intensive academic English course for students with intermediate to advanced reading and writing skills. The course utilizes and ELL textbook along with supplementary materials and emphasizes the development to reading strategies and writing skills as students engage in more complex writing tasks.

Prerequisite: IE 37, or ESL placement score or instructor permission.

IE 080–American Culture and Language

Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab

A P/NC 4-week 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 091–English Fundamentals I: LN Read/Write: Gram/Voc

Cr: 15 Wkly hrs: 15 hours Lecture

An intensive academic English course designed for students with novice level skills in reading and writing. The course utilizes an ELL textbook along with supplementary materials and emphasizes the development of basic word and sentence skills. (Formerly IE 091A)

Prerequisite: IE090A with a 2.0 or better or required ESL Accuplacer score or instructor permission.

IE 092–English Fundamentals II:LHN Read/Write: Gram/Voc

Cr: 15 Wkly hrs: 15 hours Lecture

An intensive academic English course designed for students with mid/high level reading and writing skills. The course utilizes an ELL textbook along with supplementary authentic materials and emphasizes the application of basic grammar and vocabulary skills from the previous level as students begin working with more complex or unfamiliar reading texts and writing expectations. (Formerly IE 092A)

Prerequisite: IE091A with a 2.0 or better or required ESL Accuplacer score or instructor permission.

IE 093–English Foundations: LI Read/Write: Gram/Voc

Cr: 15 Wkly hrs: 15 hours Lecture

An intensive academic English course designed for students with low to mid-level reading and writing skills. The course utilizes an ELL textbook along with supplementary materials and emphasizes the development of foundational grammar skills and vocabulary strategies as students begin working with more complex and unfamiliar topics and contexts. (Formerly IE 093A)

Prerequisite: IE092 with a 2.0 or better or required ESL Accuplacer score or instructor permission.

IE 094–English Integration: LHI Read/Write: Gram/Voc

Cr: 15 Wkly hrs: 15 hours Lecture

An intensive academic English course designed for students with mid/high intermediate reading and writing skills. The course utilizes an ELL textbook along with supplementary materials and emphasizes the integration and application of grammar and vocabulary skills acquired in previous levels as students prepare to meet college level expectations for reading and writing. (Formerly IE 094A)

Prerequisites: IE093A with a 2.0 or better or required ESL Accuplacer score or instructor permission.

IE 100–Intro.College English A. Read/Write/Gram/Voc.

Cr: 10 Wkly hrs: 10 hours Lecture

An intensive academic English course for students with advanced reading/writing and grammar/vocabulary skills. The course is designed to prepare students to meet the expectations of mainstream college level classes. Students practice and development vocabulary strategies and grammar skills in order to read authentic texts and write for a variety of purposes. **Prerequisite:** IE 45, or ESL placement score or instructor permission.

Prerequisite: IE094 with a 2.0 or better or required ESL Accuplacer score or instructor permission.

IE 101–Intro College English A. Listen/Speak

Cr: 5 Wkly hrs: 5 hours Lecture

An intensive academic English course for students with advanced listening and speaking skills. The course is designed to prepare students to meet the expectations of mainstream college level classes. Students engage with authentic listening materials and practice speaking as they discuss and respond to the listening materials.

Prerequisite: IE 46, or ESL placement score or instructor permission.

Prerequisite: IE 004 with a 2.0 or better or required ESL Accuplacer score or instructor permission.

IE 102–Intro. College English A. Reading/Writing

Cr: 3 Wkly hrs: 3 hours Lecture

An intensive academic English course for students with advanced English skills. The course is designed for students to practice and develop skills using authentic materials in order to produce work that meets mainstream college level expectations. **Prerequisite:** IE 47, or ESL placement score or instructor permission.

IESUM

IESUM 001–Summer Intensive High-Intrmd/Advanced

Cr: 1-13 Wkly hrs: 13 hours Lecture

IESUM 002–Summer Intensive High-Intrmd/Advanced

Cr: 1-13 Wkly hrs: 13 hours Lecture

Japanese

JAPN&121–Japanese I

Cr: 5 Wkly hrs: 5 hours Lecture

H - Deals with the acquisition of elementary skills for listening, speaking, reading, and writing in Hiragana. Students comprehend and express basic Japanese in everyday situations. Cultural and historical aspects of Japan are covered.

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 Kanji. Explores cultural aspects of Japan.

Prerequisite: JAPN& 121 or equivalent.

JAPN&123–Japanese III

Cr: 5 Wkly hrs: 5 hours Lecture

H - Deals with basic vocabulary and grammar structures for conversational purposes in everyday situations. Development of basic skills in Hiragana, Katakana, and Kanji. Exploration of historical, geographical, and cultural aspects of Japan.

Prerequisite: JAPN& 122 or equivalent.

Korean

KREA&121–Korean I

Cr: 5 Wkly hrs: 5 hours Lecture

H - Novice mid/low level proficiency in speaking, listening, reading, and writing skills in modern Korean, based on ACTFL (American Council on the Teaching of Foreign Languages). Targeting students with no background in Korean, the course starts with Korean orthography and introduces basic functions and notions through highly productive formulaic phrases. It also introduces the history, geography, and various cultural practices of Korea.

KREA&122–Korean II**Cr: 5 Wkly hrs: 5 hours Lecture**

H - Novice high proficiency in speaking, listening, reading, and writing skills in modern Korean, based on ACTFL (American Council on the Teaching of Foreign Languages). Building upon learned content from KREA&121, the course develops basic literacy skills through authentic materials and deepens students' understanding of the history, geography, current events, and various cultural practices of Korea.

Prerequisite: KREA& 121 or equivalent.**KREA&123–Korean III****Cr: 5 Wkly hrs: 5 hours Lecture**

H - Intermediate mid/low level proficiency in speaking, listening, reading, and writing skills in modern Korean, based on ACTFL (American Council on the Teaching of Foreign Languages). Building upon learned content from KREA&121 & 122, the course develops a more sophisticated level of literacy through authentic materials and deepens students' understanding of the history, geography, current events, and various cultural practices of Korea.

Prerequisite: KREA& 122 or equivalent.**Library Research****LIB-R 101–Library Research Methods****Cr: 2 Wkly hrs: 2 hours Lecture**

Introduction to the essential skills, concepts, and strategies for college-level research. Students will learn how to effectively access, use, and evaluate library information resources, including books, periodicals, reference sources, databases, and non-print resources. Students will become familiar with the resources, services, and organization of academic libraries. Online.

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).

Prerequisite: Basic Computer skills such as email, 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 and 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.

Prerequisite: MANU 130 with Grade 2.0 or better, Concurrent Enrollment in MANU 130 is allowed.**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 programming and operation of CNC machine tools.

Prerequisite: MANU 160 with a grade of 2.0.**MANU 172–Manufacturing Materials Fundamentals****Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab**

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 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 290–Capstone Project****Cr: 1-5 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 design and document a product, and test that design through manufacturing when appropriate and a final project report. May be repeated for a maximum of 5 credits.

Prerequisite: Instructor permission.**Mathematics****MATH 090–Essential Mathematics****Cr: 5 Wkly hrs: 5 hours Lecture**

Concepts, calculations, and applications of arithmetic; use of a calculator. (Formerly MATH 090A)

Prerequisite: None**MATH 091–Prealgebra****Cr: 5 Wkly hrs: 5 hours Lecture**

Prepares students for study of algebra. Includes signed numbers, variables, linear equations, area and perimeter, the metric system, and applications. (Formerly MATH 090B)

Prerequisite: MATH 090 within the last 6 years with a grade of 2.0 or above or satisfactory placement test score.**MATH 092–Brief Math Review****Cr: 5 Wkly hrs: 5 hours Lecture**

Topics from MATH 090, MATH 091, MATH 094, or MATH 099 appropriate to student level. (May be repeated for credit.) (Pass/No Credit)

MATH 094–Elementary Algebra**Cr: 5 Wkly hrs: 5 hours Lecture**

First course in the sequence of Elementary Algebra and Intermediate Algebra. Basic algebraic concepts, first-degree equations, polynomials, integer exponents, roots and radicals, word problems.

Prerequisite: MATH 091 within the last 6 years with a grade of 2.0 or above or satisfactory placement test score.**MATH 095–Review and Assessment for Math Preparation****Cr: 3 Wkly hrs: 3 hours Lecture**

Orientation to math: study skills and placement assessment.

MATH 096–Descriptive Statistics with Algebra**Cr: 5 Wkly hrs: 5 hours Lecture**

Topics include data analysis and techniques of descriptive statistics with supporting Algebra content. Prep for Math 136.

Prerequisite: Math 091 with a grade of 2.5 or above (or Math 094 with a grade of 2.0 or above) within the last 6 years, or satisfactory placement test score.

MATH 098–Integrated Intermediate Algebra for LibArts/Hum**Cr: 3 Wkly hrs: 3 hours Lecture**

Only offered as part of an IMATH course (formerly Math 981). Algebraic expressions, rational and negative exponents. Radical and rational expressions and equations, linear and quadratic equations, graphs and application.

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

MATH 099–Intermediate 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.

Prerequisite: MATH 094 or MATH 098 (formerly Math 981) within the last 6 years with a 2.0 or above or satisfactory placement test score. 3 Cr IMATH option: 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 099I–Integrated Inter Algebra for MATH&141**Cr: 3 Wkly hrs: 3 hours Lecture**

Part of IMATH course offering. 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.

MATH 103–Applied Trigonometry**Cr: 5 Wkly hrs: 5 hours Lecture**

Plane trigonometry for technical programs including trigonometric functions, inverse functions, right 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 - Topics relevant to Liberal Arts majors, including the following: Mathematical Models (Linear and Exponential) as tools for solving real-world problems. Probability as a tool for making informed decisions. Basic descriptive statistics as an introduction to statistical thinking. Consumer Mathematics (loans, annuities, etc.) as a life skill.

Prerequisite: MATH 099 or MATH 098 within the last 6 years with a grade of 2.0 or above, satisfactory placement test score, or co-enrollment in MATH 098.

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. (Formerly MATH 166)

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. (Formerly MATH 167)

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). (Formerly MATH 119)

Prerequisite: MATH 099 within the last 6 years with a grade of 2.5 or above, satisfactory placement test score, or co-enrollment in MATH 099 3 credit IMATH option.

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. TI is preferred and demonstrated). (Formerly MATH 120)

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. (Formerly MATH& 144)

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. (Formerly MATH 281) Note: prerequisite Intermediate Algebra courses must have been taken within the last six years, placement tests within the last two years.

Prerequisite: MATH 099 or MATH 098 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; functions, including exponential and logarithmic and their graphs; financial formulas, systems of equations, linear programming. Requires use of a graphing calculator. (Formerly MATH 156)

Prerequisite: MATH 099 or MATH 099I within the last 6 years with a grade of 2.0 or above or satisfactory placement.

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. (Formerly MATH 157)

Prerequisite: MATH 147 or MATH& 141 within the last 6 years with a grade of 2.0 or above.

MATH&151–Calculus I**Cr: 5 Wkly hrs: 5 hours Lecture**

NS - Functions, limits and continuity; the derivative, definition, rules and applications; implicit differentiation; antiderivatives; optimization. (Formerly MATH 124)

Prerequisite: MATH& 142 or MATH& 143 within the last 6 years with a grade of 2.0 or above, or satisfactory placement test score.

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. (Formerly MATH 125)

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. (Formerly MATH 126)

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.

Prerequisite: MATH 221–Differential Equations I

Cr: 5 Wkly hrs: 5 hours Lecture

NS - First order differential equations. Second order linear equations. Series solutions of second order equations, the Laplace transform, numerical methods, and applications with emphasis in Physics and Engineering.

Prerequisite: MATH& 163 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 and MATH 250 with a grade of 2.0 or above.

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.

Prerequisite: 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. (Formerly MATH 220)

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 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 BSTEM 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 131 and MEDA 163 with a grade of 2.5 or above.

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 130–Anatomy/Physiology & Pathophysiology I

Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab

Principles of Anatomy and Physiology, along with the Pathophysiology as it relates to ambulatory healthcare settings. This is the first of two classes of Anatomy/Physiology & Pathophysiology. Body structure, organization, and physiology, along with symptoms, causes and treatment modalities for diseases will be examined. Some practical diagnostic testing and lab experiences are included to enhance lecture materials.

Prerequisite: Accuplacer results placing student into ENGL 101 or completion of ENGL 099/101 with a grade of 2.0 or higher.

MEDA 131–Anatomy/Physiology & Pathophysiology II

Cr: 4 Wkly hrs: 4 hours Lecture

Principles of Anatomy and Physiology, along with the Pathophysiology as it relates to ambulatory healthcare settings. This is the second of two classes of Anatomy/Physiology & Pathophysiology. Body structure, organization, and physiology, along with symptoms, causes and treatment modalities for diseases will be examined.

Prerequisite: MEDA 130 with grade of 2.5 or better

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, MEDA 120 and MEDA 180 must have been completed with a GPA of 2.5. PE ED 109 must also have been completed. 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 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, 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 199–Practicum**Cr: 1-5 Wkly hrs: 10 hours Lab**

Course can be offered as: MEDA 199/299. Practical application of basic skills and knowledge in the Medical Assisting or Medical Billing and Coding discipline. (Pass/No Credit)

Prerequisite: Instructor permission required.

MEDA 200–Medical Reimbursement Issues for Ambulatory Sett**Cr: 2 Wkly hrs: 2 hours Lecture**

Introduction to billing principles which are key to maximum reimbursement. Focuses on Medicare regulations and how they impact physician payment, auditing of claims' documentation, analysis of denied claims, and how to appeal claims denial. Current billing practices will be reviewed.

Corequisite: Enrollment in MEDA 163 or Successful completion with a 2.5 or higher.

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 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 are Spirituals; Minstrelsy; Delta, Classic, and Urban Blues; Tin Pan Alley songs; Broadway Shows; Early New Orleans Combo Jazz; Gospel Music; Folk Music; Swing; Country Music; Bluegrass; Rhythm & Blues (R&B); numerous styles of Rock and Roll; Soul Music; Motown; Popular Vocalists; Jazz-Rock Fusion; EDM; and Hip-Hop.

MUSC 103–Concert Choir

Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab

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 - 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. (Formerly MUSIC 102)

MUSC 106–Vocal Jazz Ensemble I (Jazzline)

Cr: 3 Wkly hrs: 1 hours Lecture, 4 hours Lab

H/SP - Course can be offered as: MUSC 106/107/108 and 206/207/208.

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

H/SP - Course can be offered as: MUSC 109/110/111 and 209/210/211.

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

H/SP - Course can be offered as: MUSC 117/118/119 and 217/218/219.

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

H/SP - Course can be offered as: MUSC 120/121/122 and 220/221/222.

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: 2 hours Lecture

H/SP - Course can be offered as: MUSC 123/124/125 and 223/224/225.

Advanced study and performance of choral works of all musical style periods.

Prerequisite: Audition only.

MUSC 124–Chamber Choir

Cr: 2 Wkly hrs: 2 hours Lecture

H/SP - Course can be offered as: MUSC 123/124/125 and 223/224/225.

Advanced study and performance of choral works of all musical style periods.

Prerequisite: Audition only.

MUSC 125–Chamber Choir

Cr: 2 Wkly hrs: 2 hours Lecture

H/SP - Course can be offered as: MUSC 123/124/125 and 223/224/225.

Advanced study and performance of choral works of all musical style periods.

Prerequisite: Audition only.

MUSC 133–Beginning Class Piano

Cr: 2 Wkly hrs: 2 hours Lecture

H/SP - Course can be offered as: MUSC 133/134/135.

Group and individualized instruction in keyboard techniques. Music theory and finger techniques taught and applied through piano performance.

MUSC 136–Class Guitar

Cr: 2 Wkly hrs: 2 hours Lecture

H/SP - Course can be offered as: MUSC 136/137/138 and 236/237/238.

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. (Formerly MUSIC 180)

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. (Formerly MUSIC 181)

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. (Formerly MUSIC 182)

Prerequisite: MUSC& 142.

MUSC 144–Wind Ensemble

Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab

H/SP - Course can be offered as: MUSC 144/145/146 and 244/245/246.

Rehearsal and performance of chamber/wind literature from classical through contemporary mediums. Open to all students and community members, based upon ability.

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 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 199–Practicum

Cr: 1-5 Wkly hrs: 10 hours Lab

A practical application in the working world of the basic theories studied in the above program or discipline.

MUSC 223–Chamber Choir

Cr: 2 Wkly hrs: 2 hours Lecture

H/SP - Course can be offered as: MUSC 123/124/125 and 223/224/225.

Advanced study and performance of choral works of all musical style periods.

Prerequisite: Audition only.

MUSC 224–Chamber Choir

Cr: 2 Wkly hrs: 2 hours Lecture

H/SP - Course can be offered as: MUSC 123/124/125 and 223/224/225.

Advanced study and performance of choral works of all musical style periods.

Prerequisite: Audition only.

MUSC 225–Chamber Choir

Cr: 2 Wkly hrs: 2 hours Lecture

H/SP - Course can be offered as: MUSC 123/124/125 and 223/224/225.

Advanced study and performance of choral works of all musical style periods.

Prerequisite: Audition only.

MUSC 233–Intermediate Class Piano

Cr: 2 Wkly hrs: 2 hours Lecture

H/SP - Course can be offered as: MUSC 233/234/235.

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. (Formerly MUSIC 280)

Prerequisite: MUSC& 143.

MUSC&242–Music Theory V

Cr: 5 Wkly hrs: 5 hours Lecture

H - Discovery of style of the 18th Century baroque through analysis, composition and performance. (Formerly MUSIC 281)

Prerequisite: MUSC& 143.

MUSC&243–Music Theory VI

Cr: 5 Wkly hrs: 5 hours Lecture

H - Discovery of style of the 20th and 21st Century through analysis, composition, and performance. (Formerly MUSIC 282)

Prerequisite: MUSC& 143.

Private Music Lessons:

Cr: .5-1Wkly hrs: 1 hours Lecture

H/SP - Individual instruction. Each course may be taken for .5 or 1 credit per quarter and may be repeated for up to 6 credits.

Prerequisite: Permission of instructor.

P-MUS 101-103, 201-203 Electric Bass

P-MUS 105-107, 205-207 Piano

P-MUS 111-113, 211-223 Voice

P-MUS 121-123, 221-223 Saxophone/Clarinet

P-MUS 131-133, 231-233 Percussion Instruments

P-MUS 141-143, 241-243 Guitar

Nursing ADN (Associate Degree Nursing)

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 110–Professional Role Development I

Cr: 1 Wkly hrs: 1 hours Lecture

Introduction to the professional concepts of nursing including concept mapping, role of the student nurse, legal issues, critical thinking and learning styles. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Admission to the Nursing Program; successful completion of or concurrent enrollment in NURSE 114, 140, 144, 146, 151, 152, 154 and 156.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continuation in the Nursing Program; successful completion of or concurrent enrollment in NURSE 116, 118, 142, 158,160, and 182.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Admission to the Nursing Program; successful completion of or concurrent enrollment in NURSE 110, 140, 144, 146, 151, 152, 154, and 156.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continuation in the Nursing Program; successful completion of or concurrent enrollment in NURSE 112, 118, 142, 158, 160, and 182.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continuation in the Nursing Program; successful completion of or concurrent enrollment in NURSE 112, 116, 142, 158, 160, and 182 or permission of instructor.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Admission to the Nursing Program; successful completion of or concurrent enrollment in NURSE 110, 114, 144, 146, 151, 152, 154, and 156.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continuation in the Nursing Program; successful completion of or concurrent enrollment in NURSE 112, 116, 118, 158, 160, and 182.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Admission to the Nursing Program; successful completion of or concurrent enrollment in NURSE 110, 114, 140, 146, 151, 152, 154, and 156.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Admission to the Nursing Program; successful completion of or concurrent enrollment in NURSE 110, 114, 140, 144, 151, 152, 154, and 156.

NURSE 151–Dosage Calculations

Cr: 1 Wkly hrs: 1 hours Lecture

Mathematical computations used for medication administration and intravenous therapy in clinical practice. Minimum grade of 3.7 required for Nursing Program continuation.

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. Minimum grade of 2.2 (80%) required for continuation in nursing program.

Prerequisite: Completion of BIOL& 241 with a 2.0 or higher.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Admission to the Nursing Program; successful completion of or concurrent enrollment in NURSE 110, 114, 140, 144, 146, 151, 152, and 156.

NURSE 156–Clinical Nursing Practice II

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Admission to the Nursing Program; successful completion of or concurrent enrollment in NURSE 110, 114, 140, 144, 146, 151, 152, and 154.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continuation in the Nursing Program; successful completion of or concurrent enrollment in NURSE 112, 116, 118, 142, 160, and 182.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continuation in the Nursing Program; successful completion of 1st year fall quarter nursing courses and concurrent enrollment in NURSE 112, 116, 118, 142, 158, and 182.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continued enrollment in the Nursing Program and successful completion of 1st year winter quarter nursing courses; concurrent enrollment or successful completion of NURSE 174, 180, 181, and 202.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continued enrollment in the Nursing Program. Successful completion of or concurrent enrollment in NURSE 172, 180, 181, and 202

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continued enrollment in the Nursing Program. Successful completion of or concurrent enrollment in NURSE 177, 178, and 179.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continued enrollment in the Nursing Program. Successful completion or concurrent enrollment in NURSE 176, 178, and 179.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continued enrollment in the Nursing Program. Concurrent enrollment in or successful completion of NURSE 176, 177, and 179.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continued enrollment in the Nursing Program. Successful completion of or concurrent enrollment in NURSE 176, 177, and 178.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continued enrollment in the Nursing Program. Successful completion of or concurrent enrollment in NURSE 172, 174, 181, and 202.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continued enrollment in the Nursing Program. Successful completion of or concurrent enrollment in NURSE 172, 174, 180, and 202.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continued enrollment in Nursing Program. Successful completion of or concurrent enrollment in NURSE 112, 116, 118, 142, 158 and 160.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continued enrollment in the Nursing Program. Successful completion or concurrent enrollment in or successful completion of NURSE 204, 208, and 210.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continued enrollment in the Nursing Program. Successful completion of or concurrent enrollment in NURSE 172, 174, 180, and 181.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continued enrollment in the Nursing Program. Successful completion of or concurrent enrollment in NURSE 200, 208 and 210.

NURSE 206–Nursing Practice Application

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: Continued enrollment in the Nursing program. Successful completion, or concurrent enrollment in NURSE 200, 204, 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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continued enrollment in the Nursing Program. Successful completion of or concurrent enrollment in NURSE 200, 204, and 210.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Continued enrollment in the Nursing Program. Successful completion or concurrent enrollment in NURSE 200, 204, and 208.

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. A grade of 2.2 (80%) or higher is required for continuation in the Nursing Program.

Prerequisite: Successful completion of NURSE 200, 204, 208 and 210. Continued enrollment in the Nursing Program. Must be taken concurrently with NURSE 212.

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. A grade of 2.2 (80%) or higher is required for completion of the Nursing Program.

Prerequisite: Continued enrollment in the Nursing Program. Must be taken concurrently with NURSE 211.

NURSE 252–Pharmacology Review**Cr: 2 Wkly hrs: 2 hours Lecture**

A review to enhance the student's clinical nursing practice application of pharmacology.

Prerequisite: NURSE 152 or permission of the instructor. Continued enrollment in the Nursing Program.

Nursing Assistant**NA 105–Nursing Assistant-Certified****Cr: 6 Wkly hrs: 6 hours Lecture**

Basic nursing assistant classroom content as required by state and federal law; includes HIV/AIDS/Bloodborne Pathogens Training.

Prerequisite: NA 105 with grade of 2.3 or better or Concurrent enrollment in NA 105.

NA 115–Nursing Assistant Lab**Cr: 3 Wkly hrs: 6 hours Lab**

Basic nursing assistant skills content as required by state and federal law; CPR and AED use.

NA 120–Nursing Assistant Practicum**Cr: 4 Wkly hrs: 8 hours Lab**

Students will demonstrate knowledge, understanding, and application of theory and skills learned in NA 105, and 115 in the clinical setting.

Prerequisite: 2.3 or above grade in NA 105 & NA 115. Pass a DSHS criminal background check (RCW43.43.830-845) and complete all required documentation by the due date.

Nutrition**NUTR&101–HUMAN Nutrition****Cr: 5 Wkly hrs: 5 hours Lecture**

NS - 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. (Formerly BIOL 200)

Prerequisite: ENGL 099, MATH 090 all with a grade of 2.0 or better OR equivalent assessment (Accuplacer) test scores in these areas. Recommended: BIOL& 160, BIOL& 175, CHEM& 121.

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. (Formerly BIO 205)

Organizational Leadership/Resource Management**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 180–Leading with Emotional Intelligence**Cr: 2 Wkly hrs: 2 hours Lecture**

This course explores the relationship between leadership and emotional intelligence with a focus on learning and applying EQ skills to improve overall leadership practice.

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 to ethical dilemmas.

OLRM 205–Working in a Diverse and Inclusive Workforce**Cr: 3 Wkly hrs: 3 hours Lecture**

Managing a Diverse and Inclusive Workforce with a Global Perspective. This course will focus on innovative practices that can make the workplace and world a more inclusive environment.

OLRM 210–Introduction to Servant Leadership**Cr: 5 Wkly hrs: 5 hours Lecture**

Introduction to Servant Leadership philosophy. Survey historical and contemporary figures in the development of servant-leadership. Explore individual and organizational models of servant-leadership. Identify core principles and key practices to assess development and function of servant-leaders and servant-led organizations.

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 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 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 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 299–Capstone Leadership Project

Cr: 1-5 Wkly hrs: 10 hours Lab

A practical application in the working world of the basic theories studied in the above program or discipline. (Pass/No Credit)

Prerequisite: Successful completion of OLRM 201, OLRM 202, OLRM 205, OLRM 210, OLRM 250, and OLRM 260

Organizational Leadership/ Technical Management

OLTM 301–Leading/Managing Tech Prof. and Org.

Cr: 5 Wkly hrs: 5 hours Lecture

Covers critical leadership issues, developing a leadership orientation, core functions of management; individual and interpersonal effectiveness in view of leading and managing the total enterprise.

Prerequisite: Acceptance into BAS OLTM Program.

OLTM 310–Workplace & Environmental Safety

Cr: 5 Wkly hrs: 5 hours Lecture

Fundamentals of workplace/environmental safety management. Course is designed to increase appreciation for workplace safety, expand knowledge of potential hazards, and identify the necessary steps to conduct an environmental audit. Elements of safety management and basics of a safety program.

Prerequisite: Acceptance into the OLTM BAS program

OLTM 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 organizations and professional-technical fields. Topics will focus on how leadership skills and practices that support the implementation of 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 shape business functions.

Prerequisite: Acceptance into the BAS program.

OLTM 330–Business Ethics and Policy

Cr: 5 Wkly hrs: 5 hours Lecture

Explores contemporary ethics and policy issues in business. Examines fundamental components of an ethical organization. Use of professional codes of ethics and decision-making models. Essential elements of organizational policy.

Prerequisite: Acceptance into BAS OLTM Program.

OLTM 340–Conflict and Negotiation

Cr: 5 Wkly hrs: 5 hours Lecture

Explore themes and skills related to conflict and negotiation. Examines nature, sources, and strategies to manage conflict. Basics of interest-based negotiation. Course blends concepts and skills with theory and practical application.

Prerequisite: Acceptance into BAS OLTM Program

OLTM 400–Leading High Performance Teams

Cr: 5 Wkly hrs: 5 hours Lecture

Fundamental concepts, theories, and techniques for guiding teams to achieve organizational outcomes and maximize HUMAN potential. Examine principles of high performance teamwork by analyzing interrelated practices and underlying group dynamics.

Prerequisite: Acceptance into BAS OLTM Program.

OLTM 410–Quality Management and Process Improvement

Cr: 5 Wkly hrs: 5 hours Lecture

Quality management and process improvement methods within a technical environment. Explore drivers, components, and challenges of process improvement initiatives.

Prerequisite: Acceptance into BAS OLTM Program

OLTM 420–Leading Change

Cr: 5 Wkly hrs: 5 hours Lecture

Focus on change management within a technical environment. Key leadership challenges, skills, and competencies from effectively planning, leading, executing, and sustaining change in a complex environment. An emphasis on change dynamics and models.

Prerequisite: Acceptance into BAS Program

OLTM 490–Senior Capstone

Cr: 5 Wkly hrs: 5 hours Lecture

Senior capstone course designed to integrate and apply program/professional competencies. Requires project concept and formal proposal submitted at least one quarter prior to course start; approval of both required for course entry.

Prerequisite: Acceptance into BAS OLTM Program and faculty permission.

Parent Education

PARED 100–Child Guidance & Development

Cr: 1 Wkly hrs: 1 hours Lecture

Group discussions, Internet research and instructor guidance, about child growth and development, guidance and discipline, and building family relationships. (Pass/No Credit)

PARED 101–Child Development & Parenting

Cr: 2 Wkly hrs: 2 hours Lecture

Group discussions, Internet research and instructor guidance, about child growth and development, parenting styles and building family relationships.

PARED 102–Discipline Strategies for Parents

Cr: 2 Wkly hrs: 2 hours Lecture

Group discussions, internet research and instructor guidance about positive discipline methods, parenting styles and building family relationships.

PARED 103–Strengthen Parent/Child Relationship

Cr: 2 Wkly hrs: 2 hours Lecture

This course explores the importance of the parent-child relationship and its impact on the healthy growth and development of the child.

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 120–Confidently Parenting Your 2-Year-Old

Cr: 1 Wkly hrs: 1 hours Lecture

Designed to assist parents of 2-year-olds with support for the early years in order to parent with confidence and build strong family relationships for the future.

PARED 121–Confidently Parenting Your 3-Year-Old

Cr: 1 Wkly hrs: 1 hours Lecture

Designed to assist parents of 3-year-olds with support for the early years in order to parent with confidence and build strong family relationships for the future.

PARED 122–Confidently Parenting Your 4-Year-Old

Cr: 1 Wkly hrs: 1 hours Lecture

Designed to assist parents of 4-year-olds with support for the early years in order to parent with confidence and build strong family relationships for the future.

PARED 130–Transitioning to Kindergarten

Cr: 1 Wkly hrs: 1 hours Lecture

Overview of the kindergarten transitioning process for parents including school readiness and building partnerships with schools.

Philosophy

PHIL&101–Intro to Philosophy

Cr: 5 Wkly hrs: 5 hours Lecture

H/SS - 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

H/SS - 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: Intermediate algebra course work (high school or college) with a grade of 2.0 or higher.

PHIL 240–Intro to Ethics

Cr: 5 Wkly hrs: 5 hours Lecture

H/SS - 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**

Course of study leading to certification in First Aid/CPR/AED. Students learn and practice skills so they are prepared to respond to emergencies involving infants, children, and adults.

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.

PE-ED 112--BLS for Healthcare Providers**Cr: 2 Wkly hrs: 2 hours Lecture**

Course in CPR for Basic Life Support for Healthcare Providers. Course follows American Red Cross (ARC) standards. (Pass/No Credit)

PE-ED 120--Mindfulness and Wellbeing**Cr: 2 Wkly hrs: 2 hours Lecture**

An introduction to the theory and practice of mindfulness. Focus is on incorporating mindfulness practices into daily life to reduce stress, improve emotional balance and resilience, and enhance personal and academic life.

Scope, importance, and physiology of physical fitness; benefits to an individual's lifestyle; and related health and medical factors. Circulatory risk factor tests and significance of the results. Offered in conjunction with fitness center.

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.

PE-ED 199--Practicum**Cr: 1-5 Wkly hrs: 10 hours Lab**

Course can be offered as: PE-ED 199/299.

A practical application in the working world of the basic theories studied in the above program or discipline.

Prerequisite: Permission of instructor.

Physical Education--Fitness and Sports**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 112--Brazilian Jiu Jitsu**Cr: 1 Wkly hrs: 2 hours Lab**

Covers basic knowledge and skills needed (such as movements, positions, and concepts) in a progressive skill building approach. Emphasizes proper technique, mobility, pressure, and leverage awareness. Intended for those interested in establishing a foundational knowledge of BJJ.

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 140--Yoga I**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--Yoga II**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 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 149--MixedFit**Cr: 1 Wkly hrs: 2 hours Lab**

Course can be offered as: PEFSP 149/249.

MixedFit is a people-inspired dance fitness program that is a mix of explosive dancing and bootcamp toning.

PEFSP 150--Total Body Blast**Cr: 2 Wkly hrs: 4 hours Lab**

Course can be offered as: PEFSP 150/250.

High-intensity interval training utilizing the Tabata protocol of intense exercise followed by short rest. Effective speed, agility and flexibility drills to improve your fitness.

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 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 177--Ice Skating I**Cr: 1 Wkly hrs: 2 hours Lab**

Course for beginner-advanced ice skaters. Instructional emphasis will be placed on building a fundamental understanding of ice skating skills and their application as a lifelong sport. Students will be introduced to basic use and care of equipment and safety implications.

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: 2 hours Lecture, 2 hours Lab

Course can be offered as: PEFSP 181/281.

Learn about the principles of successful weight management including healthy eating behaviors, dietary guidelines, and appropriate exercise choices and technique

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–Weight Training I

Cr: 2 Wkly hrs: 4 hours Lab

Introduction to the basic principles of weight training. Students will learn how to use free weights safely and effectively, as well as learn how to incorporate them into a comprehensive workout program.

PEFSP 188–Weight Training II

Cr: 2 Wkly hrs: 4 hours Lab

Course can be offered as: PEFSP 188/288.

Course incorporates principles of both strength and conditioning. Students engage in musculoskeletal and cardiorespiratory activities with the goal of improving overall fitness

PEFSP 190–Athletic Conditioning I

Cr: 2 Wkly hrs: 4 hours Lab

Course can be offered as: PEFSP 190/290.

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

Course can be offered as: PEFSP 191/291.

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

Course can be offered as: PEFSP 192/292.

Prepares student athletes competing in intercollegiate sports at Olympic College through sport specific movement and speed development.

PEFSP 199–Practicum

Cr: 1-5 Wkly hrs: 10 hours Lab

Course can be offered as: PEFSP 199/299.

A practical application in the working world of the basic theories studied in the above program or discipline.

Prerequisite: Permission of instructor.

PEFSP 249–MixedFit

Cr: 1 Wkly hrs: 2 hours Lab

Course can be offered as: PEFSP 149/249.

MixedFit is a people-inspired dance fitness program that is a mix of explosive dancing and bootcamp toning.

PEFSP 250–Total Body Blast

Cr: 2 Wkly hrs: 4 hours Lab

Course can be offered as: PEFSP 150/250.

High-intensity interval training utilizing the Tabata protocol of intense exercise followed by short rest. Effective speed, agility and flexibility drills to improve your fitness.

PEFSP 287–Weight Training I

Cr: 2 Wkly hrs: 4 hours Lab

Introduction to the basic principles of weight training. Students will learn how to use free weights safely and effectively, as well as learn how to incorporate them into a comprehensive workout program.

PEFSP 288–Weight Training II

Cr: 2 Wkly hrs: 4 hours Lab

Course can be offered as: PEFSP 188/288.

Course incorporates principles of both strength and conditioning. Students engage in musculoskeletal and cardiorespiratory activities with the goal of improving overall fitness

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 Foxtrot, Waltz, Swing, Rumba, Cha-Cha, Samba, and Tango dances. Includes technique, choreography, postural development/body placement, and terminology.

PE-RD 170–Intro to Backpacking

Cr: 3 Wkly hrs: 1 hours Lecture, 4 hours Lab

Learn necessary skills and techniques for safe and fun backcountry travel. Explore proper use of clothing & outdoor gear, along with minimum impact camping techniques.

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: 2 Wkly hrs: 4 hours Lab

Skill development leading to indoor and outdoor lead climbing. Includes 40 hours of activity in both indoor and outdoor sessions

PE-RD 176–Intermediate Rock Climbing

Cr: 2 Wkly hrs: 4 hours Lab

Skill development leading to indoor and outdoor lead climbing. Includes 40 hours of activity in both indoor and outdoor sessions.

Prerequisite: PE-RD 175 or equivalent - students must enter the class with the ability to safely belay a top-roped climber. This knowledge can be obtained by successfully completing PE-RD 175, or by one of the various belay classes offered by local climbing gyms. A current belay certification card from any local gym/organization would be evidence of this ability.

PE-RD 199–Practicum

Cr: 1-5 Wkly hrs: 10 hours Lab

Course can be offered as: PE-RD 199/299.

A practical application in the working world of the basic theories studied in the above program or discipline.

Prerequisite: Permission of instructor.

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.

Prerequisite: 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.

Prerequisite: Completion of PE-RD 172 with a grade of 2.0 or better in the past 5 years.

PE-RD 275–Basic Rock Climbing

Cr: 2 Wkly hrs: 4 hours Lab

Topics related to technical (5th class) rock-climbing. Includes 40 hours of activity in a structured rock-climbing environment.

Physical Therapist Assistant

PTA 101–Introduction to Physical Therapy

Cr: 2 Wkly hrs: 2 hours Lecture

An introduction to the profession of physical therapy. Content includes: history of physical therapy, professional conduct, role of the PTA, communication skills and psycho-social aspects of practice.

Prerequisite: Admission into the Physical inology. Each body system will be examined individually.

Prerequisite: Admission into the PTA program.

PTA 103–Documentation for the PTA

Cr: 2 Wkly hrs: 2 hours Lecture

Presents issues relating to documentation in physical therapy.

Prerequisite: Admission into the PTA program.

PTA 105–Current PT Trends & Issues

Cr: 2 Wkly hrs: 2 hours Lecture

The course will discuss current issues relevant to physical therapy that may be controversial or that may have recently been introduced to the profession.

Prerequisite: Passing grade in all previous Physical Therapist Assistant courses.

PTA 106–Kinesiology and Functional Anatomy

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

A study of movement emphasizing functional components of the musculoskeletal and neuromuscular systems with a two hour palpation lab.

Prerequisite: Admission to the Physical Therapist Assistant Program.

PTA 107–Pathology**Cr: 5 Wkly hrs: 5 hours Lecture**

A basis for the understanding of etiology and progression of disease processes. Basic concepts of inflammation followed by a systems-based approach to the body systems.

Prerequisite: 2.0 or better in all previous Physical Therapist Assistant courses.

PTA 108–HUMAN Growth and Development**Cr: 2 Wkly hrs: 2 hours Lecture**

Examination of normative development across the lifespan from infancy through the aging adult, including the impact of disease/disability on the normative development and function.

Prerequisite: Passing grade in all previous Physical Therapist Assistant courses.

PTA 110–Orthopedic Conditions**Cr: 2 Wkly hrs: 2 hours Lecture**

An in-depth view of musculoskeletal and orthopedic conditions encountered in physical therapy. Sections on each joint or region and common orthopedic surgical procedures and associated rehabilitation are described.

Prerequisite: Passing grade in all previous Physical Therapist Assistant courses.

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.

Prerequisite: Passing grade in all prior Physical Therapist Assistant courses.

PTA 120–PTA Procedures I-Basic Skills**Cr: 6 Wkly hrs: 4 hours Lecture, 4 hours Lab**

The course provides an introduction to basic skills used in physical therapy.

Prerequisite: Admission into the Physical Therapist Assistant Program.

PTA 121–PTA Procedures II-Gait Assessment**Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab**

Provides the student with skills for identifying normal and abnormal posture, balance and gait associated with a variety of patient diagnoses.

Prerequisite: Passing grade in all prior Physical Therapist Assistant courses.

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.

Prerequisite: Passing grade in all prior Physical Therapist Assistant courses.

PTA 123–PTA Procedures IV-Physical Agents**Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab**

Concepts of physical agents used in physical therapy including thermal agents, hydrotherapy, traction, compression, ultrasound and electrical currents, including lab.

Prerequisite: Passing grade in all prior Physical Therapist Assistant courses.

PTA 125–PTA Procedures VI--Tests and Measures**Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab**

Students will learn to perform data collection and assessment techniques relating to common practice of orthopedic, neurologic and cardiopulmonary physical therapy.

Prerequisite: Passing grade in all prior PTA courses.

PTA 126–PTA Proced VII--Therapeutic Exercise**Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab**

Students learn fundamentals of exercise theory and techniques as well as specific exercises relating to strength, range of motion, flexibility, proprioception and aerobic exercise.

Prerequisite: Passing grade in all prior PTA courses.

PTA 151–Clinical Experience I**Cr: 4 Wkly hrs: 12 hours Clinic**

Students will be placed in clinical facilities for 10 weeks; 4 hours daily, three times per week. 120 total hours of clinical education under the direct supervision of a physical therapist/PTA.

Prerequisite: Passing grade in all prior Physical Therapist Assistant courses.

PTA 204–Ethics and Administration**Cr: 2 Wkly hrs: 2 hours Lecture**

The course presents principles related to management structure, ethics and legal aspects within physical therapy including sections on conflict of interest, risk management, liability, reimbursement, and malpractice.

Prerequisite: Admission into the PTA Program.

PTA 224–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.

Prerequisite: Passing grade in all prior Physical Therapist Assistant courses.

PTA 227–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.

Prerequisite: Passing grade in all prior Physical Therapist Assistant courses.

PTA 251–Clinical Experience II**Cr: 4 Wkly hrs: 12 hours Clinic**

Clinical education to allow students to incorporate components of lab and clinical skills learned to date. Students will be placed in clinical facilities for a total of 120 hours.

Prerequisite: Passing grade in all prior Physical Therapist Assistant courses.

PTA 252–Clinical Affiliation II**Cr: 11 Wkly hrs: 32 hours Clinic**

Terminal clinical education experience will be fulfilled under direct supervision of a physical therapist/PTA.

Prerequisite: All prior Physical Therapist Assistant courses with a passing grade and successful passing of lab practical exit exam.

PTA 260–Professional Integration Seminar**Cr: 3 Wkly hrs: 3 hours Lecture**

Provides a basis for developing clinical problem solving and critical thinking skills while concurrently enrolled in the final clinical education course. Students will develop skills necessary for licensure application and examination, including taking practice licensure examination, and resume writing/job application skills.

Prerequisite: Enrollment in PTA program and successful completion of all previous course work.

Physics**PHYS 110–Introduction to Physics****Cr: 6 Wkly hrs: 5 hours Lecture, 2 hours Lab**

NS - Metric System, Velocity and Acceleration, Vector's, Newton's Laws, Work and Energy, Momentum, Rotational Motion. Satisfies lab science requirements for direct transfer degree.

Prerequisite: MATH 099 with a grade of 2.0 or above

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. (Formerly PHYS& 121/PHYS& 131)

Prerequisite: MATH& 141 with a grade of 2.0 or above.

PHYS 115–General Physics**Cr: 6 Wkly hrs: 5 hours Lecture, 2 hours Lab**

NS - Electric fields, forces and potential, direct current and resistance, capacitance and dielectrics, magnetism, induction, electromagnetic waves, reflection, refraction, polarization, and interference phenomena. (Offered Winter Quarter only.) (Formerly PHYS& 122/PHYS& 132)

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 - Simple harmonic motion, fluids, sound waves, heat, thermal equilibrium, Ideal Gas Law and laws of thermodynamics, lenses and optical instruments. Quantum, atomic and nuclear physics as time allows. (Offered Spring Quarter only.) (Formerly PHYS& 123/PHYS& 133)

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. (Formerly PHYS& 221/PHYS& 231)

Prerequisite: MATH& 163 and PHYS 110 with a grade of 2.0 or above.

PHYS 255–Engineering Physics**Cr: 6 Wkly hrs: 5 hours Lecture, 2 hours Lab**

NS - Electricity and Magnetism: Coulomb's Law, Gauss's Law, electric and magnetic fields, capacitors and resistors in circuits, electrical instruments, and Kirchoff's rules. (Formerly PHYS& 222/PHYS& 232)

Prerequisite: PHYS 254 with a grade of 2.0 or above.

PHYS 256–Engineering Physics

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

NS - Fluids, Oscillations and Waves; Temperature Scales, Heat Measurements, Thermal Properties of Matter, First and Second Law of Thermodynamics; Light, Reflection, Refraction, Lenses, Mirrors, Image Formation, Interference, Diffraction and Polarization. (Formerly PHYS& 223/PHYS& 233)

Prerequisite: PHYS 254 with a grade of 2.0 or above.

Political Science

POLS&101–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.

POLS 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.

POLS 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.

POLS 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)

POLS 199–Practicum

Cr: 1-5 Wkly hrs: 10 hours Lab

Course can be offered as: POLS 199/299.

A practical application in the working world of the basic theories studied in the above program or discipline.

POLS&201–Intro Political Theory

Cr: 5 Wkly hrs: 5 hours Lecture

H/SS - An introduction to the major thinkers and philosophies that have shaped the Western political tradition. (Formerly POL-S 185)

POLS&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. (Formerly POL-S 210)

POLS&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. (Formerly POL-S 240)

POLS 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)

POLS 255–Political Communication

Cr: 5 Wkly hrs: 5 hours Lecture

SS - Exploration of political communication in historical and contemporary settings. Investigating political cultures as constructed through public rhetorics, traditional media, and digital communication practices. This course looks at the history and impact of political communication in local and global contexts (same as CMST 255).

Prerequisite: English 101

POLS 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).

Practical Nursing

PNURS 102–Physical Assessment Lecture

Cr: 2 Wkly hrs: 2 hours Lecture

Foundational principles of physical assessment, including structures and functions of body systems. The emphasis is on normal physical assessment findings.

Prerequisite: Admission into the Practical Nursing Program and concurrent enrollment in, or completion of PNURS 103, 104, 105, 110, 112, 114 and 122 with a grade point of 2.0 (75%) or higher. Completion of PNURS 108 with a grade point of 2.0 (75%) and NURSE 152 with a grade point of 3.7 (94%) or higher.

PNURS 103–Physical Assessment Application Lab

Cr: 1 Wkly hrs: 2 hours Lab

The course provides foundational principles of physical assessment. The basis of nursing decisions and actions for the practical nurse.

Prerequisite: Admission into the Practical Nursing Program and concurrent enrollment in, or completion of, PNURS 102, 104, 105, 110, 112, 114, and 122 with a grade point of 2.0 (75%) or higher. Completion of PNURS 108 with a grade point of 2.0 (75%) and NURSE 152 with a grade point of 3.7 (94%) or higher.

PNURS 104–Lab I, Lecture

Cr: 1 Wkly hrs: 1 hours Lecture

Introductory lecture course for organization, implementation and oversight of care for the client needing basic nursing skills, standard precautions, postmortem care and medication administration.

Prerequisite: Admission to Practical Nursing Program and concurrent enrollment in or completion of PNURS 102, 103, 105, 110, 112, 114 and 122 with a grade point of 2.0 (75%) or higher and successful completion of PNURS 108 with a grade point of 2.0 (75%) or higher and NURSE 152 with a grade point of 3.7 (94%) or higher.

PNURS 105–Lab I, Application

Cr: 1 Wkly hrs: 2 hours Lab

Lab class for organization, implementation and oversight of care for the client needing basic nursing skills, standard precautions, post-mortem care and medication administration by a variety of routes including oral, injection and inhalation.

Prerequisite: Admission to the Practical Nursing Program and concurrent enrollment in or completion of PNURS 102, 103, 104, 110, 112, 114, and 122 with a grade point of 2.0 (75%) or higher, and completion of PNURS 108 with a grade point of 2.0 (75%) or higher and NURSE 152 with a grade point of 3.7 (94%) or higher.

PNURS 106–Lab II

Cr: 2 Wkly hrs: 4 hours Lab

Lab class emphasizing psychomotor skill development for the care of the med-surg client (IV therapy, oxygen, med. admin, suctioning, wound care, and catheterization).

Prerequisite: Admission to the Practical Nursing Program. Completion of PNURS 102, 103, 104, 105, 108, 110, 112, 114 & 122 with a minimum grade of 2.0 in all courses; completion of NURSE 152 with a minimum grade of 3.7 (94%); concurrent enrollment or completion: PNURS 116, 118, and 124.

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 vocational roles of the practical nursing student regarding laws and ethics, history, self-assessment, communication, nursing process, and planning care, within the scope of practice of the licensed practical nurse in Washington state. Strategies for personal success in the Practical Nursing Program are discussed.

Prerequisite: Admission into the Practical Nursing Program and concurrent enrollment in, or completion of, PNURS 102, 103, 104, 105, 110, 114 and 122 with a grade point of 2.0 (75%) or higher. Completion of PNURS 108 with a grade point of 2.0 (75%) and NURSE 152 with a grade point of 3.7 (94%) or higher.

PNURS 114–Fundamentals I

Cr: 5 Wkly hrs: 5 hours Lecture

Introduction to nursing concepts: microbiology, HIV, geriatric care, growth/development across the lifespan, wellness-illness continuum, and primary, secondary, and tertiary levels of prevention interventions.

Prerequisite: Admission into the Practical Nursing Program and concurrent enrollment in, or completion of, PNURS 102, 103, 104, 105, 110, 112, and 122 with a grade point of 2.0 (75%) or higher. Completion of PNURS 108 with a grade point of 2.0 (75%) and NURSE 152 with a grade point of 3.7 (94%) or higher.

PNURS 116–Fundamentals II**Cr: 5 Wkly hrs: 5 hours Lecture**

Introduction to medical-surgical nursing, with emphasis applying the nursing process.

Prerequisite: Admission to Practical Nursing Program. Completion of PNURS 102, 103, 104, 105, 108, 110, 112, 114, and 122 with a grade of 2.0 (75%) or above, and PNURS126 with a grade of 3.7 (94%) or above. Concurrent enrollment in or completion of PNURS 106, 118, and 124.**PNURS 122–Long Term Care Clinical****Cr: 3 Wkly hrs: 6 hours Lab**

Direct care experience using practice/application of critical thinking, nursing process, care planning, physical assessment, communication, activities of daily living, and safety with long-term care residents, within the scope of practice of the licensed practical nurse in the state of Washington.

Prerequisite: Admission to Practical Nursing Program and concurrent enrollment in, or completion of, PNURS 102, 103, 104, 105, 110, 112, and 114 with a 2.0 (75%) GPA or higher. Completion of PNURS 108 with a grade point of 2.0 (75%) or higher and PNURS 126 with a grade point of 3.7 (94%) or higher.**PNURS 124–Medical-Surgical Clinical****Cr: 5 Wkly hrs: 10 hours Lab**

Direct care experience of the hospitalized medical/surgical patient, emphasizing clinical reasoning and judgment, use the Nursing Process, application of client care concepts and skills.

Prerequisite: Admission to Practical Nursing Program. Completion of PNURS 102, 103, 104, 105, 108,110, 112, 114, 122 with a grade of 2.0 (75%) or above, and PNURS126 with a grade of 3.7 (94%) or above. Concurrent enrollment in or completion of PNURS 106, 116, and 118.**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 healthcare, resume writing and preparation to enter the work force.

Prerequisite: Admission to Practical Nursing Program; successful completion of PNURS 102, 103, 104, 105, 106, 108, 110, 112, 114, 116, 118, 122, 124, 203, 204, 205, 208 and 209 with a 2.0 (75%) or higher; and a 3.7 (94%) or higher in PNURS 126; concurrent enrollment in or completion of PNURS 206 and 210.**PNURS 203–Fundamentals III-Mental Health****Cr: 1 Wkly hrs: 1 hours Lecture**

Introduction to common mental health conditions using the nursing process.

Prerequisite: Admission to Practical Nursing Program; successful completion of PNURS 102, 103, 104, 105, 106, 108, 110, 112, 114, 116, 118, 122 and 124 with a minimum grade of 2.0 (75%); completion of PNURS 126 with a minimum grade of 3.7 (94%). Concurrent enrollment in or successful completion of PNURS 204, 205, 208 and 209.**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.

Prerequisite: Admission to Practical Nursing Program and successful completion of PNURS 102, 103, 104, 105, 106, 108, 110, 112, 114, 116, 118, 122 and 124 with a minimum grade of 2.0 in each course (75%); completion of PNURS 126 with a minimum grade of 3.7 (94%) or above; concurrent enrollment or successful completion of PNURS 203, 205, 208 and 209.**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.

Prerequisite: Admission to Practical Nursing Program; successful completion of PNURS 102, 103, 104, 105, 106, 108, 110, 112, 114, 116, 118, 122 and 124 with a minimum grade of 2.0 (75%); completion of PNURS 126 with a minimum grade of 3.7 (94%). Concurrent enrollment in or successful completion of PNURS 203, 204, 208 and 209.**PNURS 206–Fundamentals IV****Cr: 4 Wkly hrs: 4 hours Lecture**

Introduction to complex medical-surgical disorders with emphasis applying the nursing process.

Prerequisite: Admission to Practical Nursing Program; successful completion of PNURS 102, 103, 104, 105, 106, 110, 112, 114, 116, 118, 122, 124, 203, 204, 205, 208, 209 with a grade of 2.0 (75%) or above, and PNURS 126 with a grade of 3.7 (94%) or above. Concurrent enrollment in or completion of PNURS 202 and 210.**PNURS 208–Pediatric/Obstetric Clinical****Cr: 4 Wkly hrs: 8 hours Lab**

Direct patient care experience emphasizing clinical reasoning/judgment and use of the Nursing Process in practice and application of theory/skills related to clients in Pediatric and Obstetric settings.

Prerequisite: Admission to Practical Nursing Program; successful completion of PNURS 102, 103, 104, 105, 106, 108, 110, 112, 114, 116, 118, 122 and 124 with a minimum grade of 2.0 (75%); completion of PNURS 126 with a minimum grade of 3.7 (94%). Concurrent enrollment in or successful completion of PNURS 203, 204, 205, and 209.**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.

Prerequisite: Admission to Practical Nursing Program; successful completion of PNURS 102, 103, 104, 105, 106, 108, 110, 112, 114, 116, 118, 122 and 124 with a minimum grade of 2.0 (75%); completion of PNURS 126 with a minimum grade of 3.7 (94%). Concurrent enrollment in or successful completion of PNURS 203, 204, 205, and 208.**PNURS 210–Clinical Mentorship****Cr: 8 Wkly hrs: 16 hours Lab**

Students will provide direct patient care, prioritizing care for groups, and care management. The course provides experiences working on an acute care med/surg floor and a mentoring experience in long term care. The course prepares students to demonstrate nursing professional roles on a med/surg floor and a mentorship experience.

Prerequisite: Admission to Practical Nursing Program; successful completion of PNURS 102, 103, 104, 105, 106, 108, 110, 112, 114, 116, 118, 122, 124, 203, 204, 205, 208 and 209 with a 2.0 (75%) or higher; and a 3.7 (94%) or higher in PNURS 126; concurrent enrollment in or completion of PNURS 202 and 206.**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. (Formerly PSYCH 101)

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 199–Practicum**Cr: 1-5 Wkly hrs: 10 hours Lab**

Course can be offered as: PSYC 199/299. A practical application in the working world of the basic theories studied in the above program or discipline.

PSYC&200–Lifespan 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. (Formerly PSYCH 224)

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. (Formerly PSYCH 240)

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. (Formerly PSYCH 220)

Prerequisite: PSYC& 100.**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.

Prerequisite: Either PSYC& 100 or SOC& 101 or instructor's approval.

PSYC 300–Industrial/Organizational Psychology

Cr: 5 Wkly hrs: 4 hours Lecture, 2 hours Lab

SS - Industrial and Organizational Psychology studies the psychology of people in organizations and the workplace. The focus is on applying the principles derived from the study of HUMAN behavior and applying this knowledge to the solution of problems at work. Areas of focus will include: Job/task analysis, recruitment, selection, performance management, talent development, teamwork/group dynamics, organization design, change management, and culture development.

Prerequisite: Acceptance into BAS program or permission of instructor

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.

Prerequisite: MATH 094 and ENGL 099 or equivalent placement scores.

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 115–Crime and Society

Cr: 5 Wkly hrs: 5 hours Lecture

SS - This introductory course provides students with a foundational understanding of the American criminal justice system. Students will learn about the empirical reality of crime as well as the primary actors, institutions and processes involved in the criminal justice system. Crime and reactions to crime will be examined as part of the social and institutional life in contemporary American society.

Prerequisite: ENGL& 101 with Grade of 2.4 or better is 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.

Prerequisite: Accuplacer placement in ENGL& 101 strongly recommended.

SOC 190–U.S. Race & Ethnicity

Cr: 5 Wkly hrs: 5 hours Lecture

SS - An examination of America's diverse ethnic and cultural traditions, with an emphasis on global and comparative perspectives.

Prerequisite: Accuplacer placement in ENGL& 101 strongly recommended.

SOC 199–Practicum

Cr: 1-5 Wkly hrs: 10 hours Lab

A practical application in the working world of the basic theories studied in the above program or discipline.

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. (Formerly SOCIO 102)

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 socio-cultural 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.

SOC 301–Sociology Through Literature

Cr: 5 Wkly hrs: 5 hours Lecture

SS - Through the use of contemporary and historical literature, students will study selected historically marginalized populations and communities with a focus on culture, values, social oppression, diversity, and social functioning.

Prerequisite: ENGL& 101 with a 2.0 or better.

Prerequisite: SOC 319–Sociology of the Digital World

Cr: 5 Wkly hrs: 5 hours Lecture

SS - This course explores the social impacts of digital technology, online networks, and online communities. Topics include virtual identity development, online interaction, cyber communities, the digital divide, as well as social change and problems related to digital technology.

Prerequisite: SOC& 101.

Spanish

SPAN&121–Spanish I

Cr: 5 Wkly hrs: 5 hours Lecture

H - Develops the student's skills in reading, writing, speaking and listening comprehension. Introduces the student to elementary grammatical structures and vocabulary. Explores the geography and cultures of Spanish speaking countries (Formerly FLSPN 101).

SPAN&122–Spanish II

Cr: 5 Wkly hrs: 5 hours Lecture

H - Develops the student's skills in reading, writing, speaking and listening comprehension. Expands the students' knowledge acquisition of grammatical structures and vocabulary. Explores geographical and cultural aspects of Spanish speaking countries. (Formerly FLSPN 102)

Prerequisite: SPAN& 121 or equivalent.

SPAN&123–Spanish III

Cr: 5 Wkly hrs: 5 hours Lecture

H - Develops the student's skills in reading, writing, speaking and listening comprehension. Expands the students' knowledge acquisition of grammatical structures and vocabulary. Explores geographical and cultural aspects of Spanish speaking countries. (Formerly FLSPN 103)

Prerequisite: SPAN& 122 or equivalent.

SPAN&221–Spanish IV

Cr: 5 Wkly hrs: 5 hours Lecture

H - The principles of Spanish syntax, lexicon, and grammar. Explores the history, geography, and culture of Spanish speaking countries. (Formerly FLSPN 201)

Prerequisite: SPAN& 123 or permission of instructor.

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 drawing skills. Concepts taught include: care and use 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.

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 and standard component and performance specifications as used in industrial drawings for manufacturing and precision machining.

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 130–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 WELD 145)

Prerequisite: MATH 091 with a grade of 2.0 or above or satisfactory placement test score.

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 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 180–Introduction to Catia**Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab**

An introduction to Catia, a 3D modeling CAD/CAM software developed for the aerospace, automotive, and marine industries, It is applicable to any industry that uses free form compound curves in product design and manufacturing.

Prerequisite: TEC-D 107 required; TEC-D 200 encouraged.

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 conceptual 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–Geometric Dimensioning & Tolerancing**Cr: 4 Wkly hrs: 4 hours Lecture**

The application of Geometric Dimensioning & Tolerancing techniques as per national and international standards (e.g. ANSI Y14.5 M/ISO/TC10/SC5).

Prerequisite: TEC-D 107 or permission of instructor.

TEC-D 217–Computer-Aided Design II**Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab**

Advanced AutoCAD emphasizing manipulation and display of 2D drawings. Includes many of the new features introduced in recent software releases.

Prerequisite: TEC-D 200 or experienced user or permission of instructor.

TEC-D 221–2D Production Drawing**Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab**

An intensive course using AutoCAD to create and/or modify large 2D production drawings, details, sub-assemblies and assembly drawings.

Prerequisite: TEC-D 200 or permission of instructor.

TEC-D 222–AutoCAD 3D**Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab**

Students learn commands needed to produce, edit and render 3D computer drawings using AutoCAD 3D.

Prerequisite: TEC-D 200 or permission of instructor.

TEC-D 231–Introduction to Civil Drafting**Cr: 4 Wkly hrs: 3 hours Lecture, 2 hours Lab**

An introductory course to provide a general knowledge of the fundamental principles and concepts used to prepare civil engineering drawings.

Prerequisite: TEC-D 200, TEC-D 217 or permission of instructor.

TEC-D 242–Intermediate AutoDesk REVIT**Cr: 4 Wkly hrs: 2 hours Lecture, 4 hours Lab**

Intermediate Building Information Management (BIM) software using AutoDesk Revit allows students to explore BIM concepts and create 3D architectural parametric modeling projects. Residential aspects will be stressed.

Prerequisite: TEC-D 127, or permission of instructor.

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 150.

TEC-D 271–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 150.

TEC-D 272–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 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 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 150.

TEC-D 275–Spatial Analyst**Cr: 2 Wkly hrs: 1 hours Lecture, 2 hours Lab**

This course is designed for experienced ArcGIS users who want to work with rasters to identify spatial relationships, develop suitability models, or calculate the cost of travel over a surface. (Pass/No Credit)

Prerequisite: TEC-D 150.**TEC-D 280–AutoCAD Update****Cr: 1 Wkly hrs: 1 hours Lecture**

Emphasis is on new and enhanced features in the most current version of AutoCAD. This is NOT a multiple level update class. (Pass/No Credit)

Prerequisite: Experienced AutoCAD user and currently using recent AutoCAD software recommended.**TEC-D 290–Capstone Project****Cr: 1-5 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 design and document a product, and test that design through manufacturing when appropriate and a final project report. May be repeated for a maximum of 5 credits.

Prerequisite: Instructor permission.**Transition to Associate Degree Nursing****TADN 181–LPN to ADN Transition--Theory****Cr: 3 Wkly hrs: 3 hours Lecture**

Provides licensed practical nurses a transition for entry into the TADN bridge program. A grade of 2.2 (80%) or higher is required for continuation in the TADN Program.

Prerequisite: Successful completion of an approved LPN program. Unencumbered Washington State LPN License. Completion of CHEM& 121, BIOL& 241, BIOL& 242, BIOL& 260, ENGL& 101, and PSYC& 100 or PSYC 102 with a grade of 2.0 or above. Accuplacer reading score of 78 or above. Admission to the TADN program.**Welding****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 E6010 and E7018 electrode classification.

Prerequisite: A grade of 3.0 or higher in WELD 103 and WELD 106 or instructor approval.**WELD 112–Pipe Welding II****Cr: 6 Wkly hrs: 2 hours Lecture, 8 hours Lab**

Producing sound open root groove welds in the 2G and 5G positions on mild steel pipe welded with the gas tungsten arc welding (GTAW) process using ER 70 S-2 filler metal and E7018 electrode classification.

Prerequisite: A grade of 3.0 or higher in WELD 103, 104, 107, and 111 or instructor approval.**WELD 125–Welding Refresher Laboratory****Cr: 2 Wkly hrs: 4 hours Lab**

Skill development and certification refresher for the purpose of passing employment and/or certification examinations.

Prerequisite: Permission of instructor.**WELD 126–Welding Refresher Laboratory****Cr: 4 Wkly hrs: 8 hours Lab**

Skill development and certification refresher for the purpose of passing employment and/or certification examinations.

Prerequisite: Permission of instructor.**WELD 127–Welding Refresher Laboratory****Cr: 6 Wkly hrs: 12 hours Lab**

Skill development and certification refresher for the purpose of passing employment and/or certification examinations.

Prerequisite: Permission of instructor.**WELD 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 TEC-D 145)

Prerequisite: MATH 091 with a grade of 2.0 or above or satisfactory placement test score.**WELD 190–Welding Special Projects****Cr: 3 Wkly hrs: 6 hours Lab**

Course can be offered as: WELD 190/191/192 The fabrication and manufacture of welded projects selected by the student or assigned by the instructor. Includes designing, cost analysis, ordering materials, and fabrication of projects.

Prerequisite: Advanced standing with instructor permission.