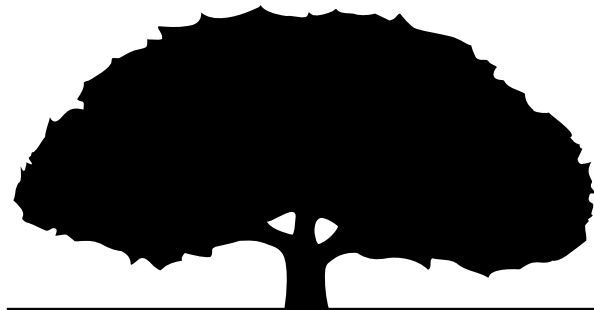


Fall 2019

Advising Schedule



CENTRALIA
COLLEGE

Fall quarter classes begin September 16, 2019.

Information is subject to change. Check our website for current class schedule information:
<http://www.centralia.edu/academics/schedule.aspx>

SCHEDULE KEY

- ☞ Class has online component(s)
- ☐ Evening class
- ☐ Class is offered at Centralia College East in Morton

Class section codes:

- 1 = Class is fully online
- 2 = Class is other
- 3 = Class is hybrid (some class time replaced with online activities)
- 4 = Class is web enhanced (some class resources, files or activities are online)
- 5 = Class is flexible (students choose to attend class online, in the classroom or any combination)

Courses with ☞ have online requirements. Enrollment in an online, hybrid, web-enhanced, or flexible class will result in a once per quarter, once per student \$4 fee. Additionally, a \$2 per credit fee will be applied for online courses.

COURSE DISTRIBUTION

Courses approved as satisfying distribution requirements for degree programs are designated with Diversity (D), Humanities (H), Health and Fitness (HF), Communication (C), Natural Science (NS), Social Science (SS), Quantitative Skill (M).

Diversity

Courses designated with a "(D)" focus on experiences of people traditionally under-represented in American history. At least one D-course is required for an Associate Degree. Some are only offered once a year. See course descriptions for more details.

ACCOUNTING

Practical Accounting I

☞ 3087 ACCT 110A4 (3) 8-8:50am MWF WAH 205 Lazo

Emphasizes fundamental principles of double-entry accounting as applied to bookkeeping systems. The course focuses on the development of the accounting cycle for small businesses and professional organizations.

Financial Reporting

☞ 3088 ACCT 200A4 (5) 9-9:50am Daily WAH 214 Thompson

This course emphasizes the fundamentals of double-entry accounting and the preparation of financial statements for business entities. Topics include, but are not limited to, accounting for assets, liabilities, equity, revenue and expenses. Prerequisite: Compass minimum score of MATH 096 or evidenced score entrance equivalent.

Prin of Accounting I

☞ 3092 ACCT& 201A4 (5) 11-11:50am Daily WSC 215 Thompson

This course emphasizes fundamental principles of double-entry accounting and the preparation of financial statements for sole proprietorships. Prerequisite: MATH 098 or equivalent or instructor permission.

Individual Income Taxes

☞ 4112 ACCT 260A4 (5) 10-10:50am Daily WAH 214 Thompson

Introductory course in taxation emphasizing the preparation of individual federal income tax returns. Course focuses on history, economics, social aspects, equity, and structure of the federal income tax laws of the United States. Prerequisite: ACCT& 201

Payroll Accounting

☞ 3089 ACCT 270A3 (3) 8-8:50am T WAH 115 Mecham
+2 hrs/wk TBA

ACCT 270 is an introductory course covering aspects of the Fair Labor Standards Act, the Social Security Act, Federal Income Tax withholding laws, and other laws affecting payroll operations and employment practices. Prerequisite: ACCT& 201.

Bookkeeper Certification Course

☐☞ 4147 ACCT 285RP1 (5) CANCELED

This is the capstone course for accounting students participating in the Associate of Technical Arts (ATA) program and culminating in the student candidacy of either the Certified Bookkeeper (CB), Registered Tax Return Preparer (RTRP), or both. Prerequisite: ACCT& 203, ACCT 240.

AMERICAN SIGN LANGUAGE

American Sign Language I

☞ 3111 ASL& 121A4 (5) 12-2:20pm TTh WSC 109 Depuye-Phil

☞ 3112 ASL& 121B4 (5) 2:30-4:50pm TTh WSC 109 Depuye-Phil

An introductory course in American Sign Language (ASL). Topics covered include visual awareness, vocabulary, basic grammatical principles, comprehension skills, and the historical overview of the deaf community and its language.

ANTHROPOLOGY

Survey of Anthropology (D)(SS)

☞ 3094 ANTH& 100A4 (5) 9-9:50am Daily WSC 208 Avalos

Participate in a four-field approach to the study of the diversity of humans and human cultures. Explore subfields of anthropology: social/cultural anthropology, physical/biological anthropology, archaeology, and anthropological linguistics.

Cultural Anthropology (D)(SS)

☞ 3095 ANTH& 206A4 (5) 12-12:50pm Daily WSC 208 Avalos

Explore the whole of the human social and cultural world by means of investigating other people's beliefs and behaviors. Through a cross-cultural perspective we attempt to understand others in order to better learn about ourselves.

Cultural & Ethnic Pluralism (D)(SS)

☞ 3093 ANTH 225AP1 (5) Online Bryant

Examine ethnicity, ethnic identity, and cultural characteristics of ethnic and social groups in North America and around the world. Understand the relationship between social organization and forms of social, economic, and political domination and subordination.

ART

Art Appreciation (D)(H)

☞ 3103 ART& 100A4 (5) 10-10:50am Daily WAH 109/116 Frey

Examine the nature of visual art, its role in society, and methods of creative expression. Provides an overview of art history, surveys contemporary artists, and introduces studio methods in a variety of media.

Drawing I (H)

☞ 3096 ART 102A4 (5) 1-2:50pm MWF WAH 108/116 Frey

Study the fundamentals of drawing: composition, technique and manipulation of materials, exploration of subject matter. Lectures on contemporary and historical artists support drawing labs. Lab fee \$9.33.

Drawing II

☞ 3097 ART 103A4 (5) 1-2:50pm MWF WAH 108/116 Frey

Intermediate level study of the fundamentals of drawing: composition, technique and manipulation of materials, exploration of subject matter. Lectures on contemporary and historical artists support drawing labs. Prerequisite: ART 102 or instructor permission. Lab fee \$9.33.

Drawing III

☞ 3098 ART 104A4 (5) 1-2:50pm MWF WAH 108/116 Frey
Advanced level study of the fundamentals of drawing: composition, technique and manipulation of materials, exploration of subject matter. Lectures on contemporary and historical artists support drawing labs. Prerequisite: ART 102, 103 or instructor permission. Lab fee \$9.33.

2D Design (H)

3099 ART 110A (5) 11-11:50am Daily WAH 116 Solomon
11-11:50am Daily WAH 144 Solomon

Learn and utilize the principles of two-dimensional design and its application on a two-dimensional plane through lecture and studio practice. Lab fee \$40.

Computer Graphics (H)

☞ 3100 ART 130A3 (5) 12-12:50pm Daily WAH 209 Solomon

An overview of computer programs used to create images for print and screen, still and moving. Gain basic skills in design and programs by creating digital art work in a series of assignments. Lab fee \$54.16.

Digital Photography (H)

☞ 3101 ART 174A3 (5) 1-1:50pm MTW WAH 209 Solomon
1-2:50pm Th WAH 209 Solomon
+3 hours/week TBA
☐☞ 4146 ART 174R3 (5) 10am-12:20pm F MOR 112 Cantin
+2.5 hours/week TBA

An introduction to digital photography as an expressive art form. Students will explore the creative and technical requirements of digital imaging, as well as examine the contributions of contemporary fine artists working in this medium. Prerequisite: basic computer experience required. Lab fee \$54.16.

Art History: Ancient (D)(H)

☞ 3102 ART 200A4 (5) 11-11:50am Daily TAC 338 Frey

A survey of the development of art in Europe, the Near East and Asia from prehistoric times through the 14th century CE. The course will explore developments in architecture, painting, sculpture and other art forms.

ASTRONOMY**The Solar System & the Universe (NS)**

☞ 3113 ASTR 127AP1 (5) Online Garcia

Brief overview of the history and scope of astronomy, followed by a systematic study of the solar system, stars, galaxies, and the universe. Prerequisite: one year HS algebra or MATH 098.

BIOLOGY**General Biology w/Lab (NS)**

☞ 3127 BIOL& 160A4 (5) 11-11:50am MTWTh WSC 107 Ibrahim
1-2:50pm Th WSC 301 Ibrahim

Surveys the structures and functions of cells and organisms. Explores basic genetic and evolutionary processes. Outlines the characteristics of life, its history, and biodiversity. Lab fee \$18.46.

Human Biology (NS)

☞ 3128 BIOL& 170A4 (5) 10-10:50am Daily WAH 103 Jewell
☞ 4180 BIOL& 170BP1 (5) Online Hutcheon

Presents the structure, organization, and life functions of the human; cells, tissues, and organ systems; development from embryo to adult; aging and disease; human evolution and ecology.

Human Biology Lab

☞ 3122 BIOL 172A4 (1) 1-2:50pm Th WSC 314 Jewell

Investigate the structure and function of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, immune, respiratory, digestive, urinary, and reproductive systems. Prerequisite: BIOL& 170. Lab fee \$18.46.

Majors Ecology/Evolution (NS)

☞ 3129 BIOL& 221A4 (5) 11-11:50am MTWTh WSC 111 Carlson
2-3:50pm T WSC 307 Carlson
☞ 3130 BIOL& 221B4 (5) 11-11:50am MTWTh WSC 111 Carlson
2-3:50pm W WSC 307 Carlson

Ecology, evolution, taxonomy and phylogeny, diversity of life forms. First course in a three-quarter series (BIOL& 221, 222, 223). Prerequisite: HS biology or BIOL& 160 and MATH 098 or equivalent. Lab fee \$20.96.

Human A & P 1 (NS)

☞ 3131 BIOL& 241A4 (5) 12-12:50pm MTWTh WSC 121 Norton
2-3:50pm T WSC 314 Norton
☞ 3132 BIOL& 241B4 (5) 12-12:50pm MTWTh WSC 121 Norton
2-3:50pm W WSC 314 Norton
☞ 3133 BIOL& 241C4 (5) 12-12:50pm MTWTh WSC 121 Norton
4-5:50pm T WSC 314 Norton
☞ 3134 BIOL& 241D4 (5) 12-12:50pm MTWTh WSC 121 Norton
4-5:50pm W WSC 314 Norton

Investigate interactions between structures and functions essential for human health. Levels include macromolecules, membranes and the cell, tissues, integument, skeleton and articulations, skeletal muscles, nerves, and central nervous systems. First quarter of a two-quarter sequence. Prerequisite: HS biology and chemistry or BIOL& 160 or BIOL& 170 and CHEM& 121. Lab fee \$18.46.

Research in Biology

3123 BIOL 270A (1-12) ARR ARR ARR Norton
3124 BIOL 270B (1-12) ARR ARR ARR Carlson
3125 BIOL 270C (1-12) ARR ARR ARR Jewell

Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. Prerequisite: instructor permission.

BUSINESS ADMINISTRATION**Intro to Business**

☞ 3166 BUS& 101A3 (5) 10-10:50am MWF TAC 122 Burger
+2 hours/week TBA

Introduction to the world of business. Emphasis will include functions of business, management, types of business ownership, human resources, production, marketing, ethics, and the role of accounting.

Business Math

☞ 3161 BUS 121A4 (5) 10-10:50am Daily WAH 115 Crawford

Surveys the commercial application of mathematics designed to assess and analyze business activities and their effect on cost, profitability and overall performance. Prerequisite: MATH 096 or equivalent test score.

Business Law

☞ 3167 BUS& 201A4 (5) 8-8:50am Daily WSC 101 Carter

Introduction to state and federal constitution, laws and procedures including international trade, crimes, torts, contracts, sales, property, bankruptcy, securities, consumer protection, employment, and debtor-creditor relationships. The relationship between ethics and law will be discussed.

Human Resource Management

☎ 4114 BUS 203A3 (5) 10-10:50am MTWTh WAH 205 Patrao

Introduction to fundamental concepts of human relations management. This course will focus on recruiting, employee selection and training, employee performance and compensation, and employee laws and labor relations. Prerequisite: BUS& 101, college level reading and writing.

Principles of Finance

☎ 3162 BUS 215A3 (5) 8-8:50am MWF WAH 115 Rath
+2 hours/week TBA

An introduction to the sources and uses of funds in a business. Focuses on ratio analysis, cost-volume-profit analysis, business valuation, and the relationship between risk and rate of return. Emphasizes the managerial implications of financial risk. Prerequisite: ACCT& 201 or ACCT 200 or instructor permission.

Marketing

☎ 4115 BUS 220AP1 (5) Online Sampson

A broad overview of the market structure and marketing philosophies currently being used in business. Includes a description, analysis, and evaluation of the marketing system. Each student will conduct a marketing research project.

BUSINESS OFFICE TECHNOLOGY**Keyboarding for Business**

☎ 3135 BTEC 101A3 (3) 9-9:50am Daily WAH 207 Copeland

For students without keyboarding skills. Develop speed to 25 wpm by touch. Develop speed, accuracy, and basic word processing techniques for letters, reports, and tables.

Keyboard Skillbuilding I

☎ 3139 BTEC 102A3 (3) 9-9:50am Daily WAH 207 Copeland

Individualized program for improving keyboarding techniques and increasing speed and accuracy. Upon course completion, students should be able to type at a minimum of 35 wpm with one error per minute. Prerequisite: BTEC 101 and typing speed of 25 wpm or instructor permission.

Electronic Medical Records

☎ 3143 BTEC 107AP1 (4) Online Scott

Provides an overview of medical records as legal documents. Topics include the make-up of an electronic medical record, charting methods, patient scheduling, privacy, and administrative management.

Business English

☎ 3144 BTEC 110A4 (5) 11-11:50am Daily WAH 205 Lazo

This course is intended to provide a basis for producing office documents. Topics include editing skills including grammar, punctuation, proofreading, and spelling. Business English is a basis for medical documentation, business communications, and office procedures. Prerequisite: ENGL 098 with 2.0 or higher; placement of ENGL 099 or higher.

Cooperative Work Experience

☎ 3146 BTEC 190A4 (1-12) Online Copeland

This course allows students to apply classroom learning to on-the-job settings. Credit is earned for new and continued learning taking place in the work environment. Prerequisite: current or prior enrollment in BTEC 191 or instructor signature.

Work Experience Seminar

☎ 3147 BTEC 191AP1 (1) Online Copeland

Discussion topics include professional image, business etiquette, sexual harassment, resolving conflict, and diversity in the workplace. Must be taken prior to or concurrently with Cooperative Work Experience.

Keyboard Skillbuilding II

☎ 3149 BTEC 203A3 (3) 9-9:50am Daily WAH 207 Copeland

Individualized advanced skillbuilding program for students who have taken BTEC 102. Upon completion of this course, students should be able to type at a minimum of 50 wpm with one error per minute. Prerequisite: BTEC 102.

Word I

☎ 3150 BTEC 210A3 (5) 12-12:50pm Daily WAH 205 Lazo
+1 hour/week TBA

☎ 3151 BTEC 210BP1 (5) Online Lazo

☐☎ 3152 BTEC 210RP1 (5) Online Cantin

Course covers Microsoft Word in depth: document preparation, formatting, graphics, WordArt, SmartArt, tabs, columns, sorting, mail merge, styles, Quick Parts, headers/footers, references. Students will format documents to business standards. Prerequisite: IT 117, typing speed of 35 wpm, instructor permission.

Excel 1

☎ 3153 BTEC 214A3 (5) 9-9:50am MTWTh WAH 205 Lazo
+3 hour/week TBA

☐☎ 3154 BTEC 214RP1 (5) Online Cantin

This course is a hands-on approach for beginning through intermediate level applications of Excel spreadsheet using a variety of business applications. Students will learn formulas, charts, formatting, and management of Excel files. Prerequisite: IT 117, typing speed of 35 wpm, instructor permission.

Desktop Publishing

☐☎ 3155 BTEC 218RP1 (4) Online Cantin

This course covers terminology, concepts, and tasks related to desktop publishing. Students will plan, create, and design publications for business and personal use. Prerequisite: IT 117, BTEC 210, typing speed of 35 wpm or instructor permission.

Word 2

☐☎ 3156 BTEC 219RP1 (5) Online Cantin

This course covers advanced Microsoft Word features such as: linked textbooks, outlines, multilevel lists, sections, translator, AutoCorrect, Building Blocks, Quick Parts, macros, bibliographies, citations, footnotes, endnotes, formal reports, table of contents, indexes, and fill-in forms. Prerequisite: BTEC 210.

Microsoft Office-PowerPoint Module

☐☎ 3158 BTEC 222RP1 (1) Online Cantin

Class covers PowerPoint in depth: presentations, formatting, graphics, charts, design, and appropriate visual elements for professional presentations. Prerequisite: IT 117, typing speed of 35 wpm or instructor permission.

Records Management

☎ 4113 BTEC 233A4 (5) 1-1:50pm MWF WAH 207 Copeland
+2 hours/week TBA

Principles and procedures of effective records management for physical and electronic records systems. Practice in indexing, coding, filing, and retrieval for alphabetic, numeric, subject, and geographic systems. Introduction to laws, regulations, security risks and e-discovery.

Medical Terminology

☞ 3159 BTEC 260A3 (4) 10-10:50am MTWTh WSC 109 Scott
 ☐☞ 4144 BTEC 260R3 (4) 11am-12:20pm MWF MOR 101 Jones

Development of a medical vocabulary with emphasis on definition and spelling. Upon completion of this course students should be able to recognize spoken medical terms, analyze word parts for meaning, and understand basic medical terminology.

Medical Documentation

☞ 3160 BTEC 263A3 (4) 9-9:50am Daily WAH 207 Copeland

Medical documentation prepared through the transcription of chart notes, procedure notes, letters, and other medical documents using transcription or speech recognition files. Prerequisite: BTEC 260, BTEC 210, BTEC 110. Lab fee \$7.36.

CHEMICAL DEPENDENCY**Chemical Dependency Intro**

3168 CDP 100A (5) 10-11:50am MW WSC 211 Rabe

Introduction to the field of chemical dependency counseling. Topics include theories surrounding the etiology of addiction, basic psychopharmacology, Federal and State regulations, introduction into prevention, intervention, assessment, treatment planning and case management.

CDP Law and Ethics

☞ 3169 CDP 120A3 (4) 1-2:50pm TTh WSC 111 Rabe

Contemporary legal and ethical issues in chemical dependency counseling including professional and peer relationships, boundaries, NAADAC code of ethics, multiple relationships and values in the counseling relationship and laws surrounding counseling including confidentiality and HIPAA. Prerequisite: CDP 100 with 2.0 or higher.

Counseling Adolescents

☞ 3170 CDP 140A3 (3) 10-11:50am TTh WSC 211 Staroff

An overview course covering the Bio-Psycho-Social factors associated with adolescent substance use, misuse, and dependency. Topics: Adolescent brain development; cultural implications in adolescent substance use; screening, assessment, and diagnosis. Prerequisite: CDP 100 and PSYC& 200 or instructor permission.

CDP Cultural Diversity

☞ 3171 CDP 230AP1 (3) Online Rabe

Designed to explore self-awareness and improve knowledge and skills of chemical dependency professionals while working with clients from diverse cultural backgrounds. Prerequisite: CDP 100 with 2.0 or higher.

CHEMISTRY**Chemical Concepts w/Lab (NS)**

☞ 4181 CHEM& 110A4 (5) 11-11:50am MTWTh WSC 121 Sprafka
 1-2:50pm M WSC 308 Sprafka

Survey course of basic chemical principles and the real world applications of chemistry. Meets NS distribution. Not intended for Allied Health or general chemistry prep. Will be offered with various themes. Prerequisite: MATH 096.

Introduction to Chemistry (NS)

☞ 3209 CHEM& 121A4 (5) 9-9:50am MTWTh WSC 121 Sprafka
 1-2:50pm W WSC 308 Sprafka
 ☞ 3210 CHEM& 121B4 (5) 9-9:50am MTWTh WSC 121 Sprafka
 1-2:50pm Th WSC 308 Sprafka
 ☞ 3213 CHEM&121NT3 (5) 5-6:50pm M WSC 211 Sprafka
 5-6:50pm W WSC 308 Sprafka
 +2 hours/week TBA
 ☐☞ 4142 CHEM&121RT3 (5) 5-6:50pm M MOR 110 Sprafka
 1-2:50pm F MOS Goodwin

Survey of chemistry with applications in everyday life: atoms, bonds, reactions, and calculations. Prerequisite: one year HS algebra or MATH 098. Lab fee \$27.69.

General Chemistry Prep (NS)

☞ 4182 CHEM& 139A4 (5) 9-9:50am Daily WSC 307 Goodwin

Preparatory chemistry for science/engineering majors intending to take the CHEM& 161 sequence. Emphasizes quantitative reasoning, focusing on how mathematics is used in chemistry. Introduces nomenclature, dimensional analysis, stoichiometry, atomic structure, gas laws, and solutions. Prerequisite: MATH 098.

Problem Solving in Chemistry

☞ 3206 CHEM 159A3 (1) 10-10:50am F WSC 109 Goodwin

This course is designed to provide instruction and practice in quantitative problem solving, critical thinking, and the mathematics and study skills that are required to be successful in CHEM& 161. Corequisite: CHEM& 161.

General Chemistry w/Lab I (NS)

☞ 3214 CHEM& 161A4 (6) 10-10:50am MTWTh WSC 121 Goodwin
 1-4:50pm W WSC 302 Goodwin
 ☞ 3215 CHEM& 161B4 (6) 10-10:50am MTWTh WSC 121 Goodwin
 1-4:50pm Th WSC 302 Goodwin

First of a three-quarter sequence for science and engineering majors. Includes matter, measurements, equations, stoichiometry, solution chemistry, gasses, thermochemistry, quantum theory, and electronic structure. Problem solving and critical thinking are stressed. Includes lab. Prerequisite: CHEM& 121 (minimum 2.0) and MATH 099 or equivalent, or instructor permission. Lab fee \$27.46.

General Chemistry III w/Lab (NS)

☞ 3216 CHEM& 163A4 (6) 10-10:50am MTWTh WSC 307 Sprafka
 1-4:50pm T WSC 308 Sprafka

Third of a three-quarter sequence. Includes equilibrium, acids and base and solubility equilibria, thermodynamics, electrochemistry, and an introduction to organic and nuclear chemistry. May include polymers, transition metal, and/or coordination chemistry. Prerequisite: CHEM& 162 with a 2.0 or better or instructor permission. Lab fee \$27.69.

Organic Chemistry I (NS)

☞ 3217 CHEM& 261A4 (6) 12-12:50pm MTWTh WSC 107 Goodwin
 1-4:50pm T WSC 302 Goodwin

First course in a three-quarter sequence for science and pre-professional majors. Topics covered include structure, nomenclature, reactions and properties of hydrocarbons, and alkyl halides. Includes mechanisms and stereochemistry. Lab focuses on laboratory techniques. Prerequisite: CHEM& 163 with 2.0 or greater or instructor permission. Lab fee \$26.88.

Research in Chemistry

☞ 3207 CHEM 270AP1 (1-12) Online Sprafka
 ☞ 3208 CHEM 270BP1 (1-12) Online Goodwin

Design a research project, set up experiments, collect data in the labor in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. Prerequisite: instructor permission. Lab fee \$13.85.

CHINESE

Chinese I (D)(H)

☞ 3218 CHIN& 121A4 (5) 11-11:50am Daily WSC 208 Wynder

Learn the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture.

Chinese IV (H)

☞ 3219 CHIN& 221A4 (5) 1-1:50pm Daily WSC 208 Wynder

Continued study of the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture. Prerequisite: CHIN& 123 or instructor permission.

COMMUNICATION STUDIES

Intro to Mass Media (H)

☞ 3239 CMST& 102A4 (5) 11-11:50am Daily WAH 115 Fisher

☞ 3240 CMST& 102BP1 (5) Online Williams

A survey of the mass media in America: newspapers, magazines, books, recorded music, radio, television, motion pictures, the World Wide Web: with emphasis on structure, function, audience, content, effect and social responsibility.

Public Speaking (H)

☞ 3241 CMST& 220A4 (5) 8-8:50am Daily TAC 340 McQuarrie

☞ 3242 CMST& 220B4 (5) 9-9:50am Daily TAC 340 McQuarrie

☞ 3244 CMST& 220D4 (5) 11-11:50am Daily TAC 340 McQuarrie

☞ 3243 CMST& 220CP1 (5) Online Majors

☞ 3245 CMST& 220EP1 (5) Online McQuarrie

Apply methods for managing speech anxiety, holding attention and making points in a variety of public speaking situations, including techniques for being credible and ethical. Communication theories and interpersonal skills also studied.

Advanced Public Speaking (H)

☞ 3234 CMST 240A4 (5) 12-12:50pm Daily TAC 340 McQuarrie

Build upon the skills learned in an introductory public speaking course. Become prepared to present in professional settings and lead effective business meetings as an audience-centered communicator. Prerequisite: CMST& 220 or instructor permission.

Intercultural Communication (D)(H)

☞ 3235 CMST 250N3 (5) 5-6:50pm M WSC 107 Majors
+3 hours/week TBA

Students will explore the dynamics of intercultural communication; how variables such as perceptions, language usage, nonverbal style, gender, class, and values influence face-to-face communication among individuals of different cultures; and strengthen communication skills.

COMMUNICATIONS

Dragon NaturallySpeaking

☞ 3246 COMM 100AP1 (2) Online Hoel

Designed to assist students in the development of computer and English composition skills while using Dragon NaturallySpeaking (voice recognition) and text to speech software.

COOPERATIVE WORK EXPERIENCE

Cooperative Work Experience

☐ 3247 COOP 190S (1-12) ARR ARR MOR 108 Barnes

Cooperative Work Experience allows students to apply classroom learning to on-the-job settings. Credit is earned for new and continued learning taking place in the work environment. Reaching set learning objectives and development of positive work habits are emphasized. The Cooperative Education Faculty Coordinator, the student employee, and the worksite supervisor identify the learning objectives. 30-360 hours on-the-job per quarter. Instructor's permission is required. Corequisite: Enrollment in a Work Experience Seminar is required of Co-op students. You may take the Work Experience Seminar before or in the same quarter as the Co-op course.

CRIMINAL JUSTICE

Intro to Criminal Justice

☞ 3230 CJ& 101A3 (5) 10-10:50am MTWTh WAH 105 Gilbertson
+1 hour/week TBA

Examines local, state and Federal law enforcement agencies and the judicial and correctional systems. Career opportunities and qualifying requirements are studied. Lab fee \$15.31.

Constitutional Case Law

☞ 3226 CJ 103A3 (5) 11-11:50am MTWTh WSC 101 Gilbertson
+1 hour/week TBA

☞ 3227 CJ 103BP1 (5) Online Belden

Examines the Constitution and Bill of Rights in relation to law enforcement, the judiciary, and corrections. Defines guilt-laden facts, reasonable suspicion, and probable cause. Lab fee \$14.86.

Intro to Law Enforcement

☞ 4100 CJ 104AP1 (5) Online Belden

A broad survey of the theories, procedures and methods of police operations studied. Also examines police discretionary powers, career opportunities, and trends in law enforcement. Pre/corequisite: CJ& 101 or instructor permission.

Intro to Corrections

☞ 3231 CJ& 105A3 (5) 12-1:50pm TTh ARR Gilbertson
+1 hour/week TBA

A broad survey of the history and evolution of adult and juvenile correctional models in America. All forms of incarceration and restrictive custody are studied. Pre/corequisite: CJ& 101 or instructor permission. Lab fee \$14.86.

Criminology

☞ 3233 CJ& 112AP1 (5) Online Belden

Examines social components of crime, deviance, criminality, and societal reactions to crime. Includes discussion of causes and impacts of crime on society, classifications and theoretical interpretations of crime and the criminal justice system.

Homicide Investigation

☞ 3228 CJ 126A3 (5) 12-1:50pm MW WAH 109 Gilbertson
+1 hour/week TBA

Tactics, procedures, and forensic techniques of homicide investigation are examined. Various tools and processes systematically employed to identify, arrest, and convict perpetrators are studied. Pre/corequisite: CJ& 101 or instructor permission. Lab fee \$14.44.

Criminal Interviews & Interrogations

☎ 4101 CJ 224AP1 (5) Online Belden

Basic and intermediate skills required for criminal and forensic interviews and interrogations. Study, practice, role-play, and evaluate the techniques used to elicit factual information from victims, witnesses and suspects in the course of criminal investigations.

DIESEL EQUIPMENT TECHNOLOGY**Shop Skills**

☎ 3248 DET 100A3 (7) 7-7:50am MTWTh TEC 133 Lipp
8am-12:30pm MTWTh TEC 135 Lipp

Theory and application of basic tools and practices as used in heavy equipment repair facilities. Prerequisite: Placement for TMATH 116 or MATH 095 with 2.0 or higher. Lab fee \$65.69. **Class meets 9/16-10/24.**

Forklift Certification

3249 DET 102A (1) ARR F TEC 133 McCarthy
3250 DET 102B (1) ARR F TEC 133 McCarthy

A comprehensive classroom training with practical, and hands-on instruction on forklift operation and safety. Course covers state and federal regulations. For successful completion student must be 18 and pass both practical and hands on exams. Lab fee \$40.

Power Transmission

☎ 3251 DET 125A3 (7) 7-7:50am MTWTh TEC 133 Dunn
8am-12:30pm MTWTh TEC 135 Dunn

The theory and application of mechanical power transmitting devices and associated components as used in diesel powered equipment. Lab fee \$65.69. **Class meets 10/28-12/5.**

Mobile Electrical Systems II

☎ 3252 DET 200A3 (7) 7-7:50am MTWTh TEC 159 Lipp
8am-12:30pm MTWTh TEC 135 Lipp

Students will examine electrical components and electronic systems. This course will cover electronic control modules and advanced direct current troubleshooting. Prerequisite: DET 110 or instructor permission. Lab fee \$85.69. **Class meets 10/28-12/5.**

Internal Combustion Engines II

☎ 3253 DET 220A3 (7) 7-7:50am MTWTh TEC 159 Dunn
8am-12:30pm MTWTh TEC 135 Dunn

This course will cover diesel engine analysis and testing for optimal performance and longevity. Students will perform live engine testing, troubleshooting, and repairs. Prerequisite: DET 110 or instructor permission. Lab fee \$85.69. **Class meets 9/16-10/24.**

DRAMA**Introduction to Theater (H)**

☎ 3260 DRAMA& 101A4 (5) 9-9:50am Daily WAH 115 Kreilkamp

Overview of theatre as an art form with emphasis on the play in production and the roles of various theatre artists. Students are expected to attend two plays during the quarter at their own expense.

Beginning Acting (H)

☎ 3258 DRAMA 107A4 (5) 10-11:50am TTh WAH 150 Kreilkamp
10-10:50am F WAH 150 Kreilkamp

Introduction with emphasis on concentration, imagination, movement, and characterization via vocal, physical, emotional exercises, improvisation, and scene work. Students will be expected to attend two plays during the quarter at their own expense.

Dramatic Performance (H)

☎ 3259 DRAMA 115A4 (5) ARR ARR ARR Kreilkamp

For students involved in the creative/performance aspects of a play production, from audition through research/preparation for their portrayal and evaluation of their performance. The student must successfully audition and be cast in a college production. Prerequisite: audition selection for quarterly play production.

ECONOMICS**Microeconomics (SS)**

☎ 3268 ECON& 201A4 (5) 9-9:50am Daily WSC 213 Rodriguez
☎ 3269 ECON& 201B4 (5) 12-12:50pm Daily WSC 111 Rodriguez

Microeconomics is the study of households and firms and how they interact in markets under varying degrees of competition.

Macroeconomics (SS)

☎ 3270 ECON& 202A4 (5) 10-10:50am Daily WSC 108 Rodriguez

Macroeconomics is the study of how any system allocates limited resources to meet unlimited wants. Major concerns of macroeconomic policy are: inflation, full employment, national income accounting, fiscal policy, the money supply and trade.

EDUCATION**Guiding Behavior**

☎ 3283 EDUC& 130A3 (3) 4-5:30pm W WSC 213 Spain
4-5:30pm W WSC 213 Kirkpatrick
+1.5 hours/week TBA

☎ 3284 EDUC& 130BS1 (3) Online Price
☎ 4291 EDUC& 130CS1 (3) Online Kirkpatrick

Examine the principles and theories promoting social competence in young children and creating safe learning environments. Develop skills promoting effective interactions while providing positive individual guidance and enhancing group experiences.

Child/Family/Community

☎ 3285 EDUC& 150N3 (3) 6-7:30pm M WAH 113 Kirkpatrick
6-7:30pm M WAH 113 Keahey
+1.5 hours/week TBA

Investigate the family and community contexts in which children develop. Explore cultures and demographics of families in society, community resources, strategies for involving families in the education of their children and tools for effective communication.

Intro to Education w/Field Experience

☎ 3286 EDUC& 205A3 (5) 1-3:10pm MW WSC 211 Spain
+3.5 hours/week TBA

An overview of education in America including history, purpose, philosophies, characteristics, social aspects and current issues. Exploration of teaching as a profession in the K-12 system. Includes 30 hours in K-12 classroom.

EDUCATION-EARLY CHILDHOOD**Intro Early Child Education (SS)**

☎ 3262 ECED& 105A3 (5) 4-5:40pm M WSC 108 Spain
4-5:40pm M WSC 108 Kirkpatrick
+4 hours/week TBA

Explore 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. Lab fee \$25.

Health/Safety/Nutrition

☎ 3263 ECED& 107A3 (5) 6-8:20pm W WSC 213 Spain

Introduction to implementation of equitable health, safety and nutrition standards for the growing child in group care. Develop skills necessary to keep children healthy, safe, report abuse and neglect, and connect families to community resources.

Practicum-Nurturing Rel

☎ 3264 ECED& 120AP1 (2) Online Spain

Students gain experience engaging in nurturing relationships with children, keeping children safe and promoting children's growth and development.

Infants/Toddlers Care

☎ 3265 ECED& 132AP1 (3) Online Spain

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.

Family Child Care

☎ 3266 ECED& 134AW1 (3) Online Staff

Learn the basics of home/family child care program management. Topics include licensing requirements; business management, relationship building, health, safety, and nutrition, guiding behavior and promoting growth and development. **Class meets 9/26 - 12/4.**

Admin Early Learning Programs

☎ 3267 ECED& 139AW1 (3) Online Staff

Establish administrative skills required to develop, open, operate, manage, and assess early childhood education and care programs. Explore techniques and resources available that meet Washington State licensing and NAEYC standards. **Class meets 9/26 - 12/4.**

ELECTRONICS/ROBOTICS

See *Mechatronics* section

ENERGY TECHNOLOGY**Intro to Energy Industry**

☎ 3580 PPO 100A3 (5) 1-3:20pm M TAC 338 Crawford
+2.5 hours/week TBA

Provides a broad background in fields related to power generation.

Energy Efficiency

☎ 3581 PPO 150A3 (5) 1-3:20pm W TAC 338 Crawford
+1.5 hours/week TBA

A study of Energy Efficiency concepts related to the efficient and effective use of electricity in home and industry. Subjects covered will include electrical terms, green alternative energy sources, transportation, solar, wind, biomass, and insulation.

Plant Systems Boilers

☎ 3582 PPO 201A3 (5) 1-3:20pm T TAC 338 Steidel

Provides a background in power boilers, boiler systems & equipment, an introduction to the safe operation, maintenance & control of boilers. Prerequisite: PPO 102.

Hydroelectric Power

☎ 3583 PPO 208A3 (5) 1-3:20pm Th TAC 338 Crawford
+2.5 hours/week TBA

Provides a broad background in the field of electric power generation from hydroelectric dams. Basics of producing electricity including turbines, hydro project regulations, fish passageway, and water quality, and tribal rights. Prerequisite: PPO 103.

ENGINEERING**Introduction to Engineering**

☎ 3341 ENGR 100A4 (2) 11-11:50am TTh WSC 108 Threapleton

Introduction to the various fields and careers of engineering. Topics will include: educational planning and transfer issues; problem solving, engineering design, teamwork, and communication skills.

Mechanics of Materials

3343 ENGR& 225A (5) 9-9:50am Daily WSC 108 Threapleton

The last of a three-course sequence. Includes the study of stress, strain, deflection in beams, columns, machine and structural members. Includes bending moments, shear, torsion, deformation, unsymmetrical bending, and eccentric loading. Prerequisite: ENGR& 214.

Research in Engineering

3342 ENGR 270A (12) ARR ARR ARR Threapleton

Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. Prerequisite: instructor permission.

ENGLISH**Vocabulary Development I**

3304 ENGL 095N (1-5) 5-7:20pm TTh WSC 110 Shriver G

Builds a base of words used in everyday communication, provides systematic study, increases proficiency in oral and written communication and reading comprehension. Students are given a placement test and assigned materials at an appropriate level.

Vocabulary Development II

3305 ENGL 096N (1-5) 5-7:20pm MW WSC 110 Shriver G

Builds a base of words used in everyday communication, provides systematic study, increases proficiency in oral and written communication and reading comprehension. Students are given a placement test and assigned materials at an appropriate level.

Vocabulary Development III

3306 ENGL 097N (1-5) 5-7:20pm MW WSC 110 Shriver G

Course provides a systematic study of college level academic words and their roots, prefixes, and suffices to increase proficiency in oral and written communication.

Writing & Grammar Review

☎ 3307 ENGL 098A4 (1-5) 8-8:50am Daily WSC 107 Burr

This is a bucket class.

3308 ENGL 098B (1-5) 10-10:50am Daily WAH 113 Shriver G

This is a bucket class.

3309 ENGL 098N (1-5) 5-7:20pm TTh WSC 110 Shriver G

This is a bucket class.

☐ 3310 ENGL 098R (1-5) 1-3:20pm MW MOR 108 Nellis

Study proper word usage, sentence structure, and punctuation. Writing includes personal essays and summaries. Emphasis is on improving grammar and writing skills for personal needs and preparation for technical coursework. Prerequisite: students must meet mandatory placement requirements to enroll.

Fundamentals of English

☞	3311 ENGL 099A4	(1-5)	8-8:50am	Daily	WSC 107	Burr
						This is a bucket class.
☞	3313 ENGL 099C4	(1-5)	11-11:50am	Daily	WAH 113	Burr
	3314 ENGL 099D	(1-5)	12-12:50pm	Daily	WAH 103	Shriver G
	3315 ENGL 099N	(1-5)	5-7:20pm	TTh	WSC 110	Shriver G

This is a bucket class.

☐	3316 ENGL 099R	(1-5)	1-3:20pm	MW	MOR 108	Nellis
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Prepares students for college composition. Students analyze texts, review sentence structure and punctuation, and write several short essays and other writing. Students must meet mandatory placement requirements to enroll.

English Composition I (C)

☞	3319 ENGL& 101A3	(5)	8-8:50am	Daily	WSC 204	Knott
☞	3320 ENGL& 101B4	(5)	8-8:50am	Daily	WAH 109	Mitchler
☞	3322 ENGL& 101D3	(5)	9-9:50am	MTThF	WSC 111	Erickson
				W	ARR	Erickson
☞	3323 ENGL& 101E3	(5)	9-9:50am	Daily	TAC 338	Knott
☞	3324 ENGL& 101F3	(5)	10-10:50am	Daily	TAC 340	Williams A
☞	3325 ENGL& 101G4	(5)	10-10:50am	Daily	TAC 338	Knott
☞	3326 ENGL& 101H3	(5)	11-11:50am	MTThF	WSC 111	Erickson
				W	ARR	Erickson
☞	3327 ENGL& 101J3	(5)	11-11:50am	Daily	WSC 110	Waliezzer
☞	3328 ENGL& 101K3	(5)	12-12:50pm	Daily	WSC 110	Waliezzer
☞	3329 ENGL& 101L3	(5)	1-1:50pm	Daily	WSC 101	Williams A
☞	4267 ENGL& 101N3	(5)	12-12:50pm	Daily	WSC 210	Young
☞	3331 ENGL& 101N3	(5)	5-6:50pm	M	WSC 111	Young
			+3 hours/week	TBA		
☐☞	3333 ENGL& 101R3	(5)	9-10:50am	MW	MOR 108	Barnes
			+1 hour/week	TBA		
☞	3330 ENGL& 101MP1	(5)	Online			Davidson

An expository writing course encouraging students to think and write with clarity and conciseness; to organize and develop their ideas; and to express themselves sharply, economically, and grammatically. Students must meet mandatory placements to enroll. Prerequisite: placement into ENGL& 101 or 5 credits of ENGL 099 or WRT 105 or BTEC 221 with 2.0+.

Composition II (C)

☞	3334 ENGL& 102A3	(5)	8-8:50am	Daily	WSC 206	Weil
☞	3335 ENGL& 102B3	(5)	9-9:50am	Daily	WSC 206	Williams A
☞	3336 ENGL& 102C3	(5)	10-10:50am	Daily	WSC 110	Waliezzer
			+2.5 lab hours/week	TBA		
☞	3337 ENGL& 102D3	(5)	12-12:50pm	Daily	WSC 206	Weil
☞	3338 ENGL& 102EP1	(5)	Online			Davidson

A course in argumentative and persuasive writing, methods of research, development and preparation of original source-based papers and projects. Prerequisite: completion of ENGL& 101 with a minimum grade of 2.0.

Intro to Literature (H)

☞	3340 ENGL& 111AP1	(5)	CANCELED			Staff
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Introduces the major genres, techniques and themes of literature by examining the work of a variety of classic and contemporary authors.

Short Fiction (H)

☞	3318 ENGL 180A3	(5)	11-11:50am	Daily	WSC 206	Weill
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Survey of short story as representational vehicle in romanticism, realism, modernism, horror, satire, science fiction, magical realism. Primarily American in focus; includes cross-cultural comparisons. College-level reading, writing skills expected. Creative writing options. Prerequisite: college-level reading and writing skills.

Intro to Creative Writing (H)

☞	4102 ENGL 208A3	(5)	10-10:50am	Daily	MSG 115	Young
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Writers will move beyond the traditional "academic essay" into an exploration of literary genres to include poetry, creative nonfiction, short fiction and drama. Prerequisite: college-level writing; test into ENGL& 101.

Writing in the Workplace

☞	3628 WRT 105A4	(5)	8-8:50am	Daily	WAH 207	Erickson
☞	3629 WRT 105BP1	(5)	Online			Williams M

Study a variety of workplace communications, along with proper use of grammar, sentence structure, mechanics and vocabulary within those communications. Prerequisite: 5 credits of ENGL 098 with 2.0+ or placement into ENGL 099/WRT 105.

ENVIRONMENTAL SCIENCE**Survey of Environmental Science (NS)**

☞	3345 ENV& 100A3	(5)	10-10:50am	MTWTh	WSC 111	Brown
			+1 hour/week	TBA		
☞	4300 ENV& 100B3	(5)	12-12:50pm	Daily	TAC 338	Brown

An interdisciplinary course for both non-science majors and beginning science students. Topics include biodiversity, climate, pollution, energy, and food. Students cannot receive credit for both ENV& 100 and ENV& 101.

Intro to Environmental Science w/Lab (NS)

☞	3346 ENV& 101AP1	(5)	Online			Carlson
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An interdisciplinary course for non-science majors and beginning science students. Topics include biodiversity, climate, pollution, energy and food. Independent laboratories and field trips included. Students cannot receive credit for both ENV& 100 and ENV& 101.

GEOGRAPHY**Human Geography (D)(SS)**

	4177 GEOG&200AT	(5)	CANCELED			
☐	3349 GEOG&200RT	(5)	CANCELED			

Introduction to basic geographical concepts, with an emphasis on interrelationships of people and their physical and cultural environments. Course will satisfy requirements for elementary education majors and meet state-mandated Essential Academic Learning Requirements for geography.

GEOLOGY**Intro Physical Geology (NS)**

☞	3355 GEOL& 101A4	(5)	10-10:50am	MTWTh	WSC 105	Harris
			1-2:50pm	W	WSC 105	Harris
☞	3356 GEOL& 101B4	(5)	10-10:50am	MTWTh	WSC 105	Harris
			3-4:50pm	W	WSC 105	Harris

Explore and recognize earth materials, processes and structures within a plate tectonics framework; origin and structure of the Earth, rocks and minerals, geologic time, earthquakes and volcanoes, ocean basins, formation of landscapes, special topics. Lab fee \$28.36.

Physical Geology II (NS)

☞	3350 GEOL 102A4	(5)	11-11:50am	MTWTh	WSC 105	Harris
			1-2:50pm	Th	WSC 105	Harris
☞	3351 GEOL 102B4	(5)	11-11:50am	MTWTh	WSC 105	Harris
			3-4:50pm	Th	WSC 105	Harris

Introduces the processes that shape the landscape. Includes the study of mass wasting, river dynamics, groundwater sources, glacial landforms, deserts, and coastal processes. One or more field trips may be required. Includes lab. Prerequisite: MATH 098. Lab fee \$27.10.

Natural Hazards and Catastrophes (NS)

☞	3352	GEOL	108A4	(5)	9-9:50am	MTWTh	WSC 105	Harris
					1-2:50pm	T	WSC 105	Harris
☞	3353	GEOL	108B4	(5)	9-9:50am	MTWTh	WSC 105	Harris
					3-4:50pm	T	WSC 105	Harris

An examination of earth materials and processes through the study of earthquakes, volcanoes, landslides, floods, tsunamis, hurricanes, tornadoes, wildfires, and meteorite impacts. Examination of causes and effects on human populations and the environment; preparedness, prediction and forecasting; mitigation of risks, and case studies. Lab fee \$28.36.

Research in Geology

	3354	GEOL	270A	(1-12)	ARR	ARR	ARR	Harris
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Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. Prerequisite: instructor permission.

HEALTH**Health & Wellness (HF)**

☞	3367	HLTH	130A4	(3)	9-9:50am	MWF	MSG 115	Johnson
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An exploration of current personal health issues and a presentation of contemporary approaches to obtaining and maintaining a high level of wellness. Lab fee \$3.10.

Exercise & Nutrition (HF)

☞	3368	HLTH	140A4	(3)	12-12:50pm	MWF	MSG 115	Johnson
☞	3369	HLTH	140BP1	(3)	Online			Johnson

The two core components of a healthy lifestyle—a healthy diet and a safe exercise program will be explored and developed. Students will be expected to exercise on their own. Lab fee \$3.10.

Global Health Issues (D)(HF)

☞	3370	HLTH	141RP1	(3)	Online			Jones
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Introduction to global health issues, with a current events focus. Explore factors impacting the health of people around the world, including biological, socio-economic and environmental factors. Examine issues of water, disease, nutrition, and maternal-child health.

Stress Management (HF)

☞	3371	HLTH	143A4	(2)	11-11:50am	MW	MSG 106	Johnson
☞	4103	HLTH	143B3	(2)	8:30am-12pm	Sa	MSG 115	Johnson
☞	3372	HLTH	143CP1	(2)	Online			Johnson

Understand how stress can impact quality of life. Learn methods for identifying stressors and strategies to effectively manage them. Construct a personalized stress management program. **Section B3 will meet face-to-face on 10/19 and 11/2.**

Safety and Fitness (HF)

☞	3375	HLTH	145A4	(3)	8-8:50am	MWF	MSG 106	Johnson
☞	4141	HLTH	145B4	(3)	1-3:30pm	MTW	MSG 106	Johnson
☞	4145	HLTH	145R3	(3)	CANCELED			
☞	3376	HLTH	145CP1	(3)	Online			McMullan

The course emphasizes the importance of safety, first aid, and exercise as they relate to an individual's level of health and fitness. The course includes the American Heart Association Heartsaver First Aid/CPR and AED certification. Lab fee \$48.25. **Section B4 meets 9/24 - 10/31.**

Community First Aid and CPR

	3377	HLTH	154A	(1)	8:30am-4pm	Sa	MSG 106	Layton
	3378	HLTH	154B	(1)	8:30am-4pm	Sa	MSG 106	Layton
	3379	HLTH	154C	(1)	CANCELED			

Basic First Aid/CPR/AED class covering critical skills needed to respond to and manage first aid, choking or sudden cardiac arrest emergencies in the first few minutes until emergency medical services (EMS) arrives. Lab fee \$44.23. **Section A meets 9/28; section B meets 10/26.**

HISTORY**Western Civilization I (SS)**

	3361	HIST&	116A	(5)	10-10:50am	Daily	WSC 204	Peterson
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Analysis of the development of major political, economic, social and cultural characteristics of Antiquity and Medieval Europe.

US History I (SS)

	3362	HIST&	146A	(5)	12-12:50pm	Daily	WSC 204	Peterson
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Analysis of American history from the pre-invasion to the Antebellum Era. Emphasis will be on the political, social, and economic changes.

US History II (SS)

☞	3363	HIST&	147AP1	(5)	Online			Mayfield
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Analysis of American history from Antebellum Era to the Progressive Era. Emphasis will be on the political, social, and economic changes.

US History III (SS)

	3364	HIST&	148A	(5)	9-9:50am	Daily	WSC 110	Mayfield
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Analysis of American history from World War One to the present. Emphasis will be on the political, social, and economic changes.

HUMAN RELATIONS**Human Relations-Workplace**

☞	3357	H R	110A4	(5)	10-10:50am	Daily	TEC 109	Sampson
☞	3358	H R	110B3	(5)	11-11:50am	MWF	WSC 108	Sampson
					+2 hours/week	TBA		
☞	4116	H R	110C3	(5)	CANCELED			
☞	3359	H R	110DP1	(5)	Online			McClain

Study of behavior, personality, self-management, self-development, and elementary business psychology in the workplace. Focus on understanding and demonstrating skills imperative to workplace success including communications, personal attitude, motivation, and workplace etiquette.

HUMANITIES**Ethics and Cultural Values (H)(D)**

☞	3384	HUM	110A4	(5)	11-11:50am	Daily	WAH 105	Mitchler
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An interdisciplinary study of philosophy, literature, history and religion within Western and Oriental ethical systems of thought. It focuses on the importance of cultural values through a study of virtue, duty, utility, and rights.

Humanities I (H)

☞	3387	HUM&	116A4	(5)	9-9:50am	Daily	WAH 109	Mitchler
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A survey of the major movements in art, architecture, music, philosophy and literature in a historical context, from pre-history to 1400 C.E.

Lyceum I

	3385	HUM	281A	(1)	1-1:50pm	W	WAH 103	Bannish
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The Lyceum offers a variety of lectures on topics of current interest across a wide variety of disciplines. The theme may vary from quarter to quarter.

Lyceum IV

☐ 3386 HUM 284R (1) 1-1:50pm Th MOR 101 Schinnell
The Lyceum offers a variety of lectures on topics of current interest across a wide variety of disciplines. The theme may vary from quarter to quarter.

INFORMATION TECHNOLOGY**Intro to Programming**

☎ 3388 IT 101A3 (5) 9-9:50am MTWTh WAH 211 Keane
+2 hours/week TBA
☎ 4290 IT 101B3 (5) 11-11:50am MTWTh WAH 216 Keane
+2 hours/week TBA

This course provides an introduction to programming using Microsoft Visual Studio. Course focus is on building basic graphical applications using the Python programming language. Lab fee \$50.

Intro to Windows OS

☎ 3389 IT 117A4 (3) 10-10:50am MWF WAH 211 Coleman
☎ 3391 IT 117B3 (3) 12-12:50pm MWF WAH 212 Coleman
☎ 3390 IT 117C4 (3) 1-1:50pm MWF WAH 212 Coleman

An introduction to Windows Operating System. Course will cover such things as the taskbar, Start menu, recycle bin, windows views, Window Explorer, storage devices, printing, saving, control panels, etc. Lab fee \$25.

Web Scripting 2

☎ 4149 IT 121A3 (4) 2-2:50pm MTWTh WAH 211 Keane
+1 hour/week TBA

A second course in Web Development. Focus is on modern, responsive, and accessible web design using the latest web specifications. Students will be publishing their work on a web server. Prerequisite: IT 119.

PC Operating Systems

☎ 3392 IT 123A3 (5) 10-10:50am MTWTh WAH 216 Hagen
+2 hours/week TBA

This course is based on the CompTIA A+ certification materials. Material covered includes operating system basics, operating system administration, security, network services, cloud computing, virtualization and troubleshooting theory. Lab fee \$50.

Advanced Networking

☎ 3393 IT 202A3 (5) CANCELED

This second networking course is based on CompTIA Network+ certification materials. Material covered includes advanced concepts, implementation and terminology relating to LANs, WANs, VLANs, Routing and Wireless Networking. Prerequisite: IT 201. Lab fee \$50.

Java 3

4148 IT 230A (5) CANCELED

Third and final course in the introduction to Java programming sequence. This course covers recursion, exception handling and recovery, remote file access, event driven programming, binary search trees and priority queues. Prerequisite: IT 224 and IT 228.

INTENSIVE ENGLISH PROGRAM**Comprehension Language 1 - 4**

☎ 3402 IEP 070A4 (1-9) 12-1:50pm Daily TSB 107 Rodriguez
☎ 3404 IEP 072A4 (1-9) 12-1:50pm Daily TSB 107 Rodriguez
☎ 3406 IEP 074A4 (1-9) 12-1:50pm Daily TSB 107 Rodriguez
☎ 3408 IEP 076A4 (1-9) 12-1:50pm Daily TSB 107 Rodriguez

In this Level 1 Comprehension Language Skills course, Students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses.

Communicative Language 1 - 3

☎ 3403 IEP 071A4 (9) 9-10:50am Daily WSC 205 Burr
☎ 3405 IEP 073A4 (9) 9-10:50am Daily WSC 205 Burr
☎ 3407 IEP 075A4 (9) 9-10:50am Daily WSC 205 Burr

Students will develop speaking, grammar, and composition skills needed to succeed in subsequent liberal arts and technical/occupational courses. Lab fee \$20.

Communicative Language 4

☎ 3409 IEP 077A4 (9) 9-10:50am Daily WSC 205 Burr

In this Level 4 Comm Language course, students will develop speaking, grammar, and composition skills needed to succeed in subsequent liberal arts and technical/occupational courses. Lab fee \$44.95.

MATHEMATICS**Basic Mathematics**

☎ 3422 MATH 095A4 (1-5) 9-9:50am Daily WSC 210 Spitzer
☎ 3423 MATH 095N4 (1-5) 6:30-7:50pm MTWTh TSB 001 Keahey D
☎ 3424 MATH 095S4 (1-5) 4:30-6:50pm MW MOR 112 Winkler

For students who need to review basic math concepts such as whole number, fraction and decimal operations. Appropriate placement test scores.

Pre-Algebra

☎ 3426 MATH 096A4 (1-5) 7-7:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☎ 3428 MATH 096B4 (1-5) 8-8:50am Daily TSB 001 Spitzer
☎ 3427 MATH 096C4 (1-5) 10-10:50am Daily TSB 105 Spitzer

Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☎ 3430 MATH 096D4 (1-5) 11-11:50am Daily TSB 001 Brosz
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☎ 3429 MATH 096E4 (1-5) 1-1:50pm Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☎ 3431 MATH 096N4 (1-5) 4:30-6:50pm MW WAH 207 Palkowski
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☎ 3432 MATH 096S4 (1-5) 4:30-6:50pm MW MOR 112 Winkler

Covers percents, proportions, unit conversions, geometry, simplifying algebraic expressions and solving simple first degree linear equations. Prerequisite: MATH 095 or appropriate test score placement.

Algebra for Statistics

☎ 3433 MATH 097A4 (5) 12-12:50pm Daily WSC 215 Brosz

An algebra course for students intending to enroll in MATH& 146, Introduction to Stats. This course does not meet the algebra prerequisite for other quantitative skills courses or for transfer to the University of Washington. Prerequisite: MATH 096 or Compass score of 78+.

Algebra I

☞ 3434 MATH 098A4 (1-5) 7-7:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 3435 MATH 098B4 (1-5) 8-8:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 3436 MATH 098C4 (1-5) 10-10:50am Daily WSC 215 Brosz

☞ 3437 MATH 098D4 (1-5) 11-11:50am Daily TSB 001 Brosz
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 3438 MATH 098E4 (1-5) 1-1:50pm Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 3440 MATH 098N4 (1-5) 4:30-6:50pm MW WAH 207 Palkowski
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 3441 MATH 098S4 (1-5) 4:30-6:50pm MW MOR 112 Winkler

☞ 3439 MATH 098FP1 (1-5) Online Ziegler

For students with good arithmetic skills and familiarity with signed numbers and basic algebraic expressions. Problem-solving skills are emphasized. Topics include: linear equations and inequalities, graphing, polynomials, and rational expressions. Prerequisite: MATH 096.

Algebra II

☞ 3442 MATH 099A4 (1-5) 7-7:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 3447 MATH 099B4 (1-5) 8-8:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 3443 MATH 099C4 (1-5) 9-9:50am Daily WSC 215 Brosz

☞ 3444 MATH 099D4 (1-5) 11-11:50am Daily TSB 001 Brosz
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 3446 MATH 099E4 (1-5) 1-1:50pm Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 3448 MATH 099N4 (1-5) 4:30-6:50pm MW WAH 207 Palkowski
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 3449 MATH 099S4 (1-5) 4:30-6:50pm MW MOR 112 Winkler

☞ 3445 MATH 099FP1 (1-5) Online Ziegler

Introduces the concept of functions, their graphs and properties. Particular attention will be paid to linear, quadratic, exponential and logarithmic functions. Prerequisite: MATH 098 or equivalent.

Math in Society (M)

☞ 3453 MATH& 107A4 (5) 1-1:50pm Daily WSC 206 Griffith

☞ 3454 MATH& 107BP1 (5) Online Ziegler

Designed to enhance math proficiency of liberal arts students as they meet personal and professional demands. Includes mathematics in management, statistics, probability, art, and other practical applications in society. Not preparation for calculus. Prerequisite: MATH 099 or equivalent.

Linear Algebra (M)

☞ 3450 MATH 118A4 (5) 10-10:50am Daily WSC 213 Kiekel

Computational and modeling tools with applications in physics, mathematics, engineering, economics, and business. Topics include systems of equations, matrix algebra, vector spaces, subspaces, bases, orthogonality, transformations, and eigenvalues. Prerequisite: MATH& 142 or equivalent placement.

Pre-Calc 1 Seminar

☞ 4186 MATH 140A3 (1) 8-8:50am MTThF WAH 105 Adams

Supports skill development in students registered in MATH& 141 Pre-Calculus 1. Topics covered in this course include those defined in MATH& 141 and/or any prerequisite skills needed by the student to be successful in MATH& 141. Corequisite: MATH& 141.

Pre-Calculus I (M)

☞ 3455 MATH& 141A4 (5) 8-8:50am Daily WSC 121 Staff

☞ 3456 MATH& 141B4 (5) 9-9:50am Daily WAH 105 Adams

☞ 3457 MATH& 141C4 (5) 12-12:50pm Daily WSC 108 Threapleton

☞ 3458 MATH& 141DP1 (5) Online Adams

Study of elementary functions (polynomial, exponential, logarithmic), systems of equations, matrix algebra. Modeling and problem solving techniques are emphasized from a graphic, symbolic and numeric perspective. Prerequisite: MATH 099 or equivalent placement.

Pre-Calculus II (M)

☞ 3459 MATH& 142A4 (5) 9-9:50am Daily WSC 109 Staff

Graphical, numerical, symbolic development of trigonometric functions and their inverses as defined on the unit circle and right triangles; identities, equations, and applications; complex numbers, polar coordinates, parametric equations, vectors, conics, and sequences and series. Prerequisite: MATH& 141.

Statistics Prep Seminar

☞ 3451 MATH 145A4 (1) 11-11:50am MTWTh WSC 205 Kiekel

Refreshes and enhances the necessary prerequisite skills for a college-level statistics course. Topics include algebra for statistics, spreadsheet software skills, and probabilistic reasoning. Prerequisite: MATH 097, 099 or equivalent, or instructor permission.

Class meets 9/16 - 10/9.

Introduction to Stats (M)

☞ 3460 MATH& 146A4 (5) 12-12:50pm Daily WSC 213 Kiekel

☞ 3461 MATH& 146B4 (5) 1-1:50pm Daily WSC 215 Adams

☞ 3462 MATH& 146CP1 (5) Online Kiekel

Introduction to concepts of data collection, organization and summaries. Develop the fundamental concepts of mean, median and standard deviation, probability, probability distributions, and apply these ideas to hypothesis testing, linear regression and analysis of variance. Prerequisite: MATH 097, MATH 099 or equivalent.

Calculus II (M)

☞ 3463 MATH& 152A4 (5) 11-11:50am Daily WSC 109 Taylor

The second in a four-quarter sequence. Covers the calculus of transcendental functions (exponential, logarithm, inverse circular, hyperbolic), techniques of integration, sequences, series, and power series. Prerequisite: MATH& 151 or equivalent.

Discrete Math (M)

☞ 3452 MATH 228A3 (5) 1:30-2:50pm TWTh WSC 210 Taylor
+1 hour/week TBA

This class introduces the basic concepts of mathematics that are used in computer science. Topics covered include logic, mathematical induction, combinatorics, set theory, relations, and functions. Prerequisite: MATH& 142 or MATH 128.

MECHATRONICS**Electronics Assembly**

☞ 3347 ERA 101A3 (5) 8-11:50am TTh TAC 331 Kelley

Techniques of electronics assembly using through-hole and surface mount components. Schematics and computer aided design will be studied. Heavy emphasis placed on personal and component safety and Electro-Static Discharge (ESD). Pre/corequisite: MATH 098, ENGL 099 or equivalent. Lab fee \$83.75.

Industrial Computer Operations

3464 MEC 105A (2) 12-12:50am MWF TAC 332 Steidel
 Best practices for computer operations in an industrial environment. Topics include Microsoft Windows operating system navigation, hardware maintenance and various industrial software interfaces. Lab fee \$33.50.

Mechanical Systems

3465 MEC 151A (5) 8-10:30am MWF TAC 333 Steidel
 Introduction to mechanical system components and safe operation of mechanical drive systems. Simple machines, basic drive systems, and operation of various tools will be studied. Lab fee \$83.75.

Sensors and Instruments

3466 MEC 220A (5) 9-11:30am MWF TAC 331 Kelley
 Examination of sensors and diagnostic tools used in industrial environments. Electrical and mechanical measurement instruments will be studied and troubleshooting steps performed to prove competency. Control systems will also be studied. Prerequisite MEC 151. Lab fee \$83.75.

Industrial Electronics

3467 MEC 250A (2) 11am-12:30pm TTh TAC 332 Steidel
 Study of electricity in an industrial facility. Topics covered will focus on 3-phase power analysis and motion control devices including motors, motor drivers and controls. Prerequisite: MEC 116 or equivalent knowledge of AC electricity. Lab fee \$33.50.

Allen Bradley PLCs

3468 MEC 260A (5) 12-2:30pm MWF TAC 333 Kelley
 Study of Allen Bradley programmable logic controllers. Input and output modules will communicate with peripheral devices such as sensors, motors, lights and relays. Heavy emphasis on ladder logic, safety, troubleshooting and efficiency. Lab fee \$83.75.

MEDIA STUDIES**Sports Announcing for Football (C)**

3414 M ST 126A4 (1) 2-2:50pm M WAH 113 Fisher
 Learn and apply the basic skills and knowledge required of today's football announcers. This course will emphasize practical tips, ideas and theories that will help you on your way to becoming a quality football announcer.

Intro to Radio Broadcasting (C)

3415 M ST 230A4 (5) 12-12:50pm Daily WAH 115 Fisher
 As an introduction to radio broadcasting you will learn about programming philosophies, announcing skills, production techniques, copy writing and the FCC rules and regulations that apply to the industry. Lab fee \$17.94.

Intro to TV & Video Production

3416 M ST 260A4 (5) 1-1:50pm MWF WAH 105 Fisher
 1-2:50pm TTh WAH0140 Fisher
 Learn studio and control room operations, field and studio camera techniques, basic script writing and video editing. At the end of the quarter students will be able to write, produce and edit short videos. Lab fee \$17.94.

Radio Broadcasting Internship

3417 M ST 271A4 (1) ARR ARR WAH0140 Fisher
 3418 M ST 272A4 (2) ARR ARR WAH0140 Fisher
 3419 M ST 273A4 (3) ARR ARR WAH0140 Fisher
 3420 M ST 274A4 (4) ARR ARR WAH0140 Fisher

Practice and perfect your announcing skills on the campus radio station KCED FM. Prerequisite: MST 230, 231 or permission of the instructor.

TV Broadcasting Internship

3421 M ST 281A4 (1) ARR ARR WAH0140 Fisher
 Designed for students who wish to produce independent video projects outside of the classroom environment. Permission of instructor required. Prerequisite: MST 260, 261, 262.

MEDICAL ASSISTANT**MA Medical Terminology**

3410 MA 139A3 (5) 9-9:50am MTWTh TEC 133 Boerner
 +1 hr/wk TBA

4143 MA 139R3 (5) 11am-12:20pm MWF MOR 101 Jones
 A required class for all students enrolled in the Medical Assistant Program to develop a medical vocabulary from an anatomy, physiology, and pathology format. It is suitable for others entering medical-related fields. Lab fee \$5.

Intro to Medical Assistant

3411 MA 140A3 (5) 7-7:50am Daily WAH 146 Jenkins
 +1 hr/wk TBA

An introduction to the profession of the Medical Assistant in the health care setting. Designed to explore the fundamentals of the scope of practice in a lecture and lab setting. Lab fee \$33.

MA Clinical Procedures

3412 MA 241A3 (6) 1-2:20pm MTWTh WAH 146 Boerner
 9am-12pm F WAH 146 Boerner

Overview of physical examinations, procedures, and testing that a medical assistant would assist a health care provider with in an ambulatory care setting. Prerequisite: acceptance into 2nd year MA. Lab fee \$77.

MA Admin Procedures

3413 MA 249A3 (8) 10-11:50am MTWTh WAH 212 Boerner

Administrative protocols and procedures related to front and back office responsibilities in an ambulatory care setting; with emphasis on communications, medical records management, and fiscal management practices. Prerequisite: acceptance into 2nd year MA program. Lab fee \$18.50.

MUSIC**Fundamentals of Music (H)**

3476 MUSC 100A (5) 8-8:50am Daily WAH 125 Odonel
 Introduction to the elements of music theory, including scales, intervals, keys, triads, elementary ear training, notation, meter and rhythm.

Music Appreciation (D)(H)

3525 MUSC&105AP1 (5) Online May
 Developing an understanding of music through the study of musical elements and cultural contexts.

Jazz Ensemble I-VI

3477 MUSC	124N	(2)	6-8:30pm	W	WAH 150	Blaser
3478 MUSC	125N	(2)	6-8:30pm	W	WAH 150	Blaser
3479 MUSC	126N	(2)	6-8:30pm	W	WAH 150	Blaser
3480 MUSC	127N	(2)	6-8:30pm	W	WAH 150	Blaser
3481 MUSC	128N	(2)	6-8:30pm	W	WAH 150	Blaser
3482 MUSC	129N	(2)	6-8:30pm	W	WAH 150	Blaser

Performing ensemble made up of students and community members. The ensemble's instrumentation is flexible, depending on availability of musicians. One evening rehearsal and one evening concert will be required. Off campus performances may be required. Lab fee \$17.49.

Beginning Guitar

3483 MUSC 135A (2) 1:30-2:50pm TTh WAH 107 Tillinghast
Presents the basic skills for reading and techniques needed to play the guitar. Intended for students with little or no background in guitar performance. Students must supply their own acoustic guitar.

Music of the World (D)(H)

3484 MUSC 139A (5) 9-9:50am Daily WAH 103 Odonel
A music survey of diversity found in music around the world. Examines music as accompaniment to ceremony and ritual, aid to work and routine, and an expression of universal unchanging human emotions. Prior musical experience is not necessary. Prerequisite: proficiency in reading, grammar skills.

History of American Music (D)(H)

3485 MUSC 140AP1 (5) Online May
This course offers students a thorough and general study of American Music from Tin Pan Alley to the first part of the 21st Century.

Music Theory I (H)

3526 MUSC&141A4 (5) 10-10:50am Daily WAH 125 May
A study of musical concepts, such as pitch and rhythmic notation, scales and modes, key signatures, intervals, seventh chords and triads. Prerequisite: MUSC 100 or placement by instructor.

Concert Choir I-VI

3486	MUSC	144N	(2)	6:30-9pm	Th	WAH 103	Jardine
				ARR	Th	WAH 103	Jardine
3487	MUSC	145N	(2)	6:30-9pm	Th	WAH 103	Jardine
				ARR	Th	WAH 103	Jardine
3488	MUSC	146N	(2)	6:30-9pm	Th	WAH 103	Jardine
				ARR	Th	WAH 103	Jardine
3489	MUSC	147N	(2)	6:30-9pm	Th	WAH 103	Jardine
				ARR	Th	WAH 103	Jardine
3490	MUSC	148N	(2)	6:30-9pm	Th	WAH 103	Jardine
				ARR	Th	WAH 103	Jardine
3491	MUSC	149N	(2)	6:30-9pm	Th	WAH 103	Jardine
				ARR	Th	WAH 103	Jardine

A vocal ensemble performing both sacred and secular music literature. Availability for up to two evening performances is required. Lab fee \$17.49.

Applied Flute

3492 MUSC 150A (1) ARR ARR ARR Odonel
This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. Corequisite: ensemble and/or music theory. Lab fee \$300.

Functional Piano I

3493 MUSC 151A (1) 4-4:50pm T WAH 125 Tillinghast
Functional piano study/skill for music majors. A practical course to accompany the music theory courses. Corequisite: simultaneous enrollment in music theory class.

Applied French Horn

3494 MUSC 154A (1) ARR ARR ARR Blaser

Applied Trumpet

3495 MUSC 155A (1) ARR ARR ARR Blaser

Applied Trombone

3496 MUSC 156A (1) ARR ARR ARR Blaser

Applied Tuba

3497 MUSC 157A (1) ARR ARR ARR Blaser

Applied Euphonium

3498 MUSC 158A (1) ARR ARR ARR Blaser

Applied Percussion

3499 MUSC 159A (1) ARR ARR ARR Blaser

Applied Piano

3500 MUSC 160A4 (1) ARR ARR ARR May

Applied Violin

3501 MUSC 161A (1) ARR ARR ARR Scarborough

Applied Viola

3502 MUSC 162A (1) ARR ARR ARR Scarborough

Applied Cello

3503 MUSC 163A (1) ARR ARR ARR Staff

Applied Double Bass

3504 MUSC 164A (1) ARR ARR ARR Staff

Applied Guitar

3505 MUSC 165A (1) ARR ARR ARR Tillinghast

Applied Saxophone

3506 MUSC 166A (1) ARR ARR ARR Blaser

Applied Voice

3507 MUSC 167A (1) ARR ARR ARR Colgan

Applied Composition

3508 MUSC 168A4 (1) ARR ARR ARR May

Applied Clarinet

3509 MUSC 169A (1) ARR ARR ARR Blaser

Applied Oboe

3510 MUSC 170A (1) ARR ARR ARR Blaser

Applied Bassoon

3511 MUSC 171A (1) ARR ARR ARR Staff

Applied Harp

3512 MUSC 172A (1) ARR ARR ARR Scott

These courses teach performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Prerequisite: ensemble and/or music theory, and instructor permission. Lab fee \$300.

Community Band I-VI

3513	MUSC	175N	(2)	7-9pm	T	WAH 152	Blaser
				ARR	T	WAH 152	Blaser
3514	MUSC	176N	(2)	7-9pm	T	WAH 152	Blaser
				ARR	T	WAH 152	Blaser
3515	MUSC	177N	(2)	7-9pm	T	WAH 152	Blaser
				ARR	T	WAH 152	Blaser
3516	MUSC	178N	(2)	7-9pm	T	WAH 152	Blaser
				ARR	T	WAH 152	Blaser
3517	MUSC	179N	(2)	7-9pm	T	WAH 152	Blaser
				ARR	T	WAH 152	Blaser
3518	MUSC	180N	(2)	7-9pm	T	WAH 152	Blaser
				ARR	T	WAH 152	Blaser

Performance ensemble consisting of students and community members. Repertoire will vary and be selected by the band director(s). The ensemble consists of band instrumentation and meets weekly for three hours. Lab fee \$10.

Community Orchestra I-VI

3519	MUSC	185N	(2)	7-9pm	M	WAH 152	Friedlander
				ARR	M	WAH 152	Friedlander
3520	MUSC	186N	(2)	7-9pm	M	WAH 152	Friedlander
				ARR	M	WAH 152	Friedlander
3521	MUSC	187N	(2)	7-9pm	M	WAH 152	Friedlander
				ARR	M	WAH 152	Friedlander
3522	MUSC	188N	(2)	7-9pm	M	WAH 152	Friedlander
				ARR	M	WAH 152	Friedlander
3523	MUSC	189N	(2)	7-9pm	M	WAH 152	Friedlander
				ARR	M	WAH 152	Friedlander
3524	MUSC	190N	(2)	7-9pm	M	WAH 152	Friedlander
				ARR	M	WAH 152	Friedlander

Performing ensemble made up of students and community members. Repertoire will vary and will be selected by the orchestra director. The ensemble consists of orchestral instrumentation and meets weekly for three hours. Lab fee \$10.

Music Theory IV (H)

3527	MUSC&241A4	(5)	2-2:50pm	Daily	WAH 125	May
3528	MUSC&241BP1	(5)	CANCELED			

A study of musical concepts, such as modulation, binary and ternary forms, and contrapuntal genres, including fugues and inventions. Prerequisite: MUSC& 143.

NURSING**Basic Nursing Care Concepts**

3529	NURS	101A4	(12)	ARR	Daily	WSC 202	Team Taught
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Program themes of homeostasis, the role of the nurse, and continuum of care are applied at on-campus theory and skills labs and off-campus clinical experiences at assisted living and long-term care facilities. Prerequisite: admission to the Centralia College Nursing Program. Lab fee \$208.27.

Mental Health & Lifespan

3530	NURS	201A4	(10)	ARR	Daily	WSC 202	Team Taught
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Progressive competencies reflecting program themes are applied to the care of clients with mental health alterations, complications of child-bearing and high-risk newborns and children. Community-based and in-patient clinical experiences are provided. Prerequisites: NURS 101, NURS 102, NURS 103 and corequisite: NURS 220 or equivalent. Lab fee \$219.53.

Basic Life Support for Healthcare Providers

3531	NURS	210A	(1)	9am-1pm	ARR	ARR	Layton
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Covers the information and skills needed for adult, child, and infant cardiopulmonary resuscitation; the use of an automated external defibrillator; recognition and treatment of choking; safety factors in training and actual rescue. Corequisite: admission to the nursing program or permission of the instructor. Lab fee \$36.52.

Management & Leadership

3532	NURS	220A4	(2)	ARR	Daily	WSC 202	Schuchmann
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Expands on the program theme of the role of the nurse to provide a stronger theoretical foundation for assuming a management and leadership role in a variety of care settings. Prerequisite: NURS 101, 102 and 103 or equivalent; corequisite: NURS 201. Lab fee \$54.16.

NURSING ASSISTANT**Home Care Aide**

4151 HLSV 100A (7) CANCELED

Course meets state training requirements while providing basic awareness of the role of a Home Care Aide (HCA) and the skills required for the WA State HCA Written and Skills Exams. Background check required. Lab fee \$183.50.

Nursing Assistant Certification

3366	HLSV	131A	(9)	8am-12pm	MTWTh	TEC 115	Speer
	Clinicals			5:45am-12pm	ARR	SCC	Speer

Awareness of the role of the nursing assistant in nursing care and skill development. Topics: maintain a safe environment, provide restorative care, communication, and practice basic concepts of care. Background check is required for clinical. Lab fee \$191.30. **Class meets 9/16-11/4; clinicals meet 11/5-11/27.**

NUTRITION**Nutrition (NS)**

3533	NUTR& 101A4	(5)	8-8:50am	Daily	WSC 109	Jewell
3534	NUTR& 101BP1	(5)	Online			Ibrahim

An exploration of the six basic nutrients with diet planning principles, human metabolism, weight control and digestion also being studied. Some chemistry or biology background is helpful. Prerequisite: prior knowledge of chemistry or biology would be helpful.

OCEANOGRAPHY**Intro to Oceanography (NS)**

3535	OCEA& 101A4	(5)	10-10:50am	MTWTh	WSC 101	Norton
			2-3:50pm	Th	WSC 303	Norton
3536	OCEA& 101BP1	(5)	Online			Khandro

Meets requirement for lab course. Explore the physical, geological, chemical and biological characteristics of the ocean: waves and tides, ocean and atmosphere circulation, coastal features and beach processes, ocean basins, sediments, ocean chemistry and physics, plate tectonics, and marine life. Lab fee \$17.94.

PHILOSOPHY**Intro to Philosophy (H)**

3574	PHIL& 101AP1	(5)	Online			Diamant
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Investigate the assumptions philosophers have made about reality, knowledge, truth, God, morality, social construction, freedom, and paternalism.

Introduction to Ethics (H)

3573	PHIL	103AP1	(5)	Online		Diamant
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Focus on choices made in concrete circumstances. Study traditional ethical theories and present-day moral dilemmas.

PHYSICAL EDUCATION**Basketball**

3537	P E	103A	(1)	ARR	ARR	ARR	Sells
3538	P E	103B	(1)	ARR	ARR	ARR	Moir

This course will cover the basic skills and techniques of basketball. Includes team defense and team offense. Lab fee \$3.10.

Soccer Fundamentals

3539	P E	108A	(1)	ARR	ARR	ARR	Gundersen
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This course will cover the basic skills and techniques of soccer. Includes team defense and team offense. Lab fee \$3.10.

Physical Fitness (HF)

□ 3540 P E 110R (1) 9:30-10:30am TTh MOR 101 Jones
Study all five areas of fitness: aerobic endurance, muscle strength, muscle endurance, flexibility, and body composition. Students work at their own fitness levels. Lab fee \$3.10. **Class meets 9/24-11/26.**

Volleyball

3541 P E 115A (1) 12-12:50pm TTh MSG 103 Ewings
This course will cover the fundamental skills and techniques of beginning volleyball. Includes basic rules, scoring and strategy. Lab fee \$3.10.

Lifestyle Mgmt & Exercise (HF)

☯ 3542 P E 120A4 (2) 9-9:50am MWF MSG 125 Goss
Designed to assist individuals in making life style changes associated with health and fitness. Lab fee \$3.10.

Stretching & Flexibility (HF)

☯ 3543 P E 121A4 (1) 12-12:50pm TTh MSG 200 Johnson
Learn and perform safe stretches to increase flexibility and range of motion. Understand how stretching can help decrease injury, recover after other workouts and calm the mind and body. Lab fee \$3.10.

Basic Weight Training/Conditioning (HF)

☯ 3544 P E 123A4 (1) 10-10:50am MW MSG 125 Goss
Designed to condition the musculature of the body using machine and free weights. Lab fee \$3.10.

Free Weights (HF)

3545 P E 125A (1) 10-10:50am TTh MSG 130 Bower
Designed to develop muscle fitness through lifting free weights, Olympic lifts, plyometrics and power lifting. Students need prior weight training experience. Lab fee \$3.10.

Volleyball Applications

3546 P E 139N (3) ARR ARR ARR Gordon
A course designed to provide experiences in advanced strategies, skills, and team concepts of volleyball. Prerequisite: PE 115 or instructor permission. Lab fee \$3.10.

Cardio Conditioning (HF)

☯ 3547 P E 142A4 (1) 10-10:50am TTh MSG 200 Goss
A combination of current cardio experiences to improve cardiovascular endurance, body composition, muscle fitness and flexibility. A variety of movements will be explored, including step aerobics, kickboxing, HIIT, Zumba and circuits. Lab fee \$3.10.

Yoga (HF)

☯ 3548 P E 150A4 (1) 9-9:50am TTh MSG 200 Goss
☯ 3549 P E 150N4 (1) 6-6:50pm TTh MSG 200 Goss
An exercise class integrating components of flexibility, muscular strength and endurance, and relaxation. Students will be encouraged to work at their own level of fitness. Lab fee \$3.10.

Pilates/Core (HF)

☯ 3550 P E 152A4 (1) 11-11:50am MW MSG 200 May
☯ 3551 P E 152B4 (1) 4-4:50pm MW MSG 200 May
☯ 3552 P E 152R3 (1) 4:30-5:30pm Th MOR 108 Johnson
An exercise class designed to teach breathing with movement, body mechanics, balance, coordination, spatial awareness, strength and flexibility. Lab fee \$3.10.

Tai Chi Basics (HF)

3553 P E 153A (1) 8-8:50am MW MSG 200 Barr
Develop balance, lower-body strength and relaxation in motion with Wu Style Tai Chi. Students will work at their own level of fitness. Lab fee \$3.10.

Beginning Tae Kwon Do (HF)

3554 P E 158N (2) 6-8pm MW MSG 200 Newkirk
Develop balance, coordination, agility, spatial awareness, strength, and flexibility through the Korean art of Tae Kwon Do. Students will work at their own level of fitness. Lab fee \$3.10.

Intermediate Tae Kwon Do

3555 P E 159N (2) 6-8pm MW MSG 200 Newkirk
Further development of the techniques, forms, the sport, and self defense aspects required to advance to blue belt in the Korean martial art of Tae Kwon Do. Lab fee \$3.10.

Advanced Tae Kwon Do

3556 P E 160N (2) 6-8pm MW MSG 200 Newkirk
Further development of the techniques, forms, the sport, and self defense aspects required to advance to blue and orange belt in the Korean martial art of Tae Kwon Do. Lab fee \$3.10.

Softball Fundamentals

3557 P E 162A (1) ARR MWF CEN Slorey
A mental and physical approach to the fundamentals of fastpitch softball. An emphasis will be placed on the basic skills and concepts needed to play the game effectively. Lab fee \$3.10.

Baseball Fundamentals

3558 P E 166A (1) ARR ARR ARR Emsley
On-the-field practice in development of the basic fundamentals of baseball. Emphasis on basic skills and conditioning. Lab fee \$18.75.

Basketball Fundamentals

3559 P E 167A (1) ARR ARR ARR Sells
3560 P E 167B (1) ARR ARR ARR Moir
This course will implement basic fundamentals with theory of various phases of the game. Conditioning for a lifetime activity is an important aspect of the course. Lab fee \$3.10.

Lifetime Fitness (HF)

☯ 3561 P E 168A3 (2) 10-10:50am F MSG 106 Haselwood
+2 hours/week TBA
Cardiovascular endurance, muscle fitness, weight management and flexibility will be studied. One lecture hour and two hours of activity per week. Lab fee \$3.10.

Advanced Basketball

3562 P E 203A (1) ARR ARR ARR Sells
3563 P E 203B (1) ARR ARR ARR Moir
This course will review basic skills and techniques of basketball. Included in the course also will be advanced skills and techniques along with game strategies. Included team offense and team defense. Prerequisite: PE 103 or instructor permission. Lab fee \$3.10.

Adv Soccer Fundamentals

3564 P E 208A (1) ARR ARR ARR Gundersen
This course will review basic skills and techniques of soccer. Included in the course will be advanced skills and techniques along with game strategies, team offense and team defense. Prerequisite: PE 108 or instructor permission. Lab fee \$3.10.

Advanced Physical Fitness (HF)

□ 3565 P E 210R (1) 9:30-10:30am TTh MOR 101 Jones
Designed to continue the individual's personal health-related physical fitness - cardiovascular endurance, muscular strength, muscular endurance, body composition and flexibility. Students will be encouraged to work at their own level of fitness. Prerequisite: PE 110 or instructor permission. Lab fee \$3.10. **Class meets 9/24-11/26.**

Advanced Volleyball

3566 P E 215A (1) 12-12:50pm TTh MSG 103 Ewings

Advanced techniques and skills included in competitive volleyball. Advanced offensive and defensive tactics and strategy will be covered. Prerequisite: PE 115 or instructor permission. Lab fee \$3.10.

Physical Fitness Concepts (HF)

3567 P E 229AP1 (3) Online Johnson

A combination of theory and practice in the development of physical fitness. Two lecture hours and two activity hours per week. Lab fee \$3.10.

Advanced Volleyball Applications

3568 P E 239N (3) ARR ARR ARR Gordon

Provides experiences in advanced techniques and tactics needed to execute advanced team concepts of volleyball. Lab fee \$3.10.

Advanced Softball Fundamentals

3569 P E 262A (1) ARR MWF CEN Storey

Continuation of the physical and mental skills needed for playing fastpitch softball. Emphasis will be on a variety of strategies utilized in the game of softball. Lab fee \$3.10.

Advanced Baseball Fundamentals

3570 P E 266A (1) ARR ARR ARR Emsley

On the field practice in development of the advanced fundamentals of baseball. Emphasis on advanced skills, strategies, and techniques. Prerequisite: PE 166 or instructor permission. Lab fee \$18.75.

Advanced Basketball Fundamentals3571 P E 267A (1) ARR ARR ARR Sells
3572 P E 267B (1) ARR ARR ARR Moir

More advanced skills practiced. Prerequisite: PE 167 or instructor permission. Lab fee \$3.10.

PHYSICS**Engineering Physics I (NS)**3576 PHYS& 221A (5) 8-8:50am MTWTh WSC 108 Threapleton
1-2:50pm M WSC 106 Threapleton
3577 PHYS& 221B (5) 8-8:50am MTWTh WSC 108 Threapleton
3-4:50pm M WSC 106 Threapleton

First in a three quarter calculus-based sequence for science and engineering majors stressing classical mechanics. Include dynamics of translational, rotation, and oscillatory systems of solids, particles and fluids. Prerequisite: MATH& 151; corequisite: MATH& 152. Lab fee \$18.68.

Research in Physics

3575 PHYS 270A (12) ARR ARR ARR Threapleton

Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. Prerequisite: instructor permission.

POLITICAL SCIENCE**Intro Political Science (SS)**

3578 POLS& 101A (5) 9-9:50am Daily WSC 204 Peterson

Exploration of the fundamentals of political science: key concepts, principles, and theories. Analyze why and how leaders make the decisions they do, and why citizens obey most of these decisions.

American Government (SS)

3579 POLS& 202AP1 (5) Online McCulloch

Students will examine the American political structure and its ideological roots. We will explore how the structure is organized and how it operates.

PSYCHOLOGY**General Psychology (SS)**

3584 PSYC& 100AT4 (5)	9-9:50am	Daily	WSC 211	Starroff
3585 PSYC& 100B4 (5)	10-10:50am	Daily	WSC 107	MacNamara
3586 PSYC& 100C3 (5)	2-2:20pm	TTh	WSC 107	MacNamara
3589 PSYC& 100RT4 (5)	9-9:50am	Daily	MOR 110	Starroff
3587 PSYC& 100DP1 (5)	Online			MacNamara
3588 PSYC& 100EP1 (5)	Online			MacNamara

An introduction to the scientific study of behavior: history, research methods, biology of behavior, lifespan development, sensation and perception, learning, memory, intelligence, motivation, emotion, personality, psychological disorders and therapies, and social psychology.

Lifespan Psychology (SS)

3590 PSYC& 200AP1 (5)	Online			MacNamara
3591 PSYC& 200BP1 (5)	Online			Osawa

Human development from conception to death. Basic concepts and principles of biological, cognitive, and psychosocial development are integrated for each age period. Typical developmental tasks as well as problems are emphasized. Prerequisite: PSYC& 100.

READING**Specific Reading Skill Development**

3592 READ 097B4 (1-3)	ARR	MW	WSC 110	Shriver G
3593 READ 097N (1-3)	5-7:20pm	MW	WSC 110	Shriver G

This course is designed to provide students with opportunities to improve their reading in specifically identified areas of need. Comprehension building, word attack skills, and content area reading are a few of the specific areas that can be targeted by this class.

Improvement of Reading

3594 READ 099A (1-5)	11-11:50am	Daily	MSG 115	Shriver G
3595 READ 099B4 (1-5)	ARR	MW	WSC 110	Shriver G
3596 READ 099N (1-5)	5-7:20pm	MW	WSC 110	Shriver G

Students strengthen thinking, reading comprehension, and vocabulary skills in learning to read and study textbooks, writing summaries, note taking, and test taking. Completion of course satisfies the basic skill deficiency in reading. Prerequisite: COMPASS placement (reading) 49.

Speed Reading

3597 READ 110A (3) ARR ARR ARR Shriver G

Self-paced course for students wishing to increase reading rate and comprehension using proper eye movements, improved vocabulary, and correct reading methods based on reading material. Prerequisite: college level reading and vocabulary skills.

SOCIOLOGY**Intro to Sociology (SS)**

3612 SOC& 101A4 (5)	8-8:50am	Daily	WSC 208	Lytle
3613 SOC& 101B4 (5)	9-9:50am	Daily	WSC 107	Seabert
3614 SOC& 101C4 (5)	11-11:50am	Daily	WAH 103	Bryant
3615 SOC& 101DP1 (5)	Online			Tate

Study of society and human interaction. Topics include social ranking, change, deviance, social control, the creation of thought and personality, groups, institutions, political and economic power, social movements, and how to gather valid sociological information.

Social Problems (SS)

☞ 3616 SOC& 201A4 (5) 10-10:50am Daily WSC 208 Avalos
Investigate problems within society and how we view certain social conditions as social problems. Topics include technology, environment, population, economy, class, race/ethnic relations, sexism, ageism, family problems, education, cities, deviance, crime, mental health, physical health.

Cultural & Ethnic Pluralism (D)(SS)

☞ 3611 SOC 225AP1 (5) Online Bryant
Examine ethnicity, ethnic identity, and cultural characteristics of ethnic and social groups in North America and around the world. Understand the relationship between social organization and forms of social, economic, and political domination and subordination.

SPANISH**Spanish I (H)**

☞ 3617 SPAN& 121A4 (5) 8-8:50am Daily WSC 210 Gorecki
☞ 3618 SPAN& 121B4 (5) 10-10:50am Daily WSC 210 Gorecki
☞ 3619 SPAN& 121C4 (5) 1-1:50pm Daily WSC 107 Martinez
☞ 3620 SPAN& 121DP1 (5) Online Martinez

First class in 100 level sequence. Learn the fundamental skills of listening comprehension, speaking, reading and writing. Develop an awareness of Spanish speaking countries and their cultures.

Spanish IV (H)

☞ 3621 SPAN& 221A4 (5) 11-11:50am Daily WSC 210 Gorecki
Fourth class in sequence. Learn the fundamental skills of listening comprehension, speaking, reading, and writing. Develop an awareness of Spanish speaking countries and their cultures. Prerequisite: Spanish III or equivalent amount of high school Spanish.

STUDENT DEVELOPMENT**Study Skills**

☞ 3598 SDEV 099N (1-5) 5-7:20pm MW WSC 110 Shriver G
Students learn essential skills needed for effective study. Course includes learning style assessment, time management, study reading, memory techniques, test-taking strategies, and research techniques.

Career Planning

☞ 4120 SDEV 105A4 (2) CANCELED
☞ 3599 SDEV 105BP1 (2) Online Mercer
☞ 3600 SDEV 105CP1 (2) Online Mercer
☞ 4178 SDEV 105E4 (2) 1-1:50pm MTWTh WAH 214 Rauscher
☞ 4179 SDEV 105D4 (2) 1-1:50pm MTWTh WAH 214 Rauscher

Students identify their interests, skills and abilities and evaluate their personality styles, values and work environments as they relate to careers. Activities include interest inventory test, computer programs, job market research and informational interviewing. The format is lecture, discussion, group activities and individual projects. Lab fee \$17.94. **Section A meets 10/14 - 12/2; section E4 meets 9/23 - 10/24; section D4 meets 10/28 - 12/7.**

Student Success

☞ 3602 SDEV 150A4 (3) 12-12:50pm Daily WSC 101 Rauscher
☞ 3603 SDEV 150B4 (3) 12-12:50pm Daily WSC 101 Hafezi
☞ 3604 SDEV 150C4 (3) 1-1:50pm Daily WSC 110 Burr
☞ 3607 SDEV 150R4 (3) 9-10:20am TTh MOR 108 Barnes

College success strategies; goal-setting, time management, memory improvement, textbook reading strategies, note-taking, test-taking, project management. Taught by lecture, group and individual work. Includes Saturday field trip for challenge course activities. Lab fee \$36.91. **Section A4 meets 9/16 - 10/21; section B4 meets 10/22 - 12/5; section C4 meets 9/16 - 10/21.**

WELDING**SMAW Welding**

3624 WELD 161A (12) 11-11:50am Daily TEC 103 Hegsted
12-2:50pm Daily TEC 105 Hegsted

Shielded metal arc welding safety, joint design, electrode selection, welding machine setup and operations. Lab practice will include butt, lap, tee and corner joints in all positions. Weld testing and air carbon arc cutting included. Lab fee \$138.75.

Metallurgy for Welders

3625 WELD 167A (3) 3-4:30pm MTW TEC 105 Hegsted

Study of metals relevant to welding technology, extraction of metals from ores, refining metals, the manufacture of metal products, mechanical, physical and chemical properties of metals and the hardening, tempering and heat treating of metals. Lab fee \$8.

Shielded Metal Arc Welding

4150 WELD 181N (5) 5-8:30pm TTh TEC 103 Hegsted

Safety, setup, and welding in all positions using gas metal arc welding equipment. Lab fee \$73.78.

Advanced Arc Welding

3626 WELD 265A (12) 8-8:50am Daily TEC 103 Peters
9-11:50am Daily TEC 105 Peters

Theory and practice of advanced shielded metal arc welding (SMAW) to prepare for the Washington Association of Building Officials (WABO) certification tests on plate and pipe. Prerequisite: GPA 2.0 or higher in WELD 161 or Instructor permission. Completion of year 1 welding. Lab fee \$138.75.

Blueprint Reading

3627 WELD 271A (3) 12-1:30pm TTh TEC 105 Peters

Fundamentals of drawing interpretation in the welding trade. Included are blueprint reading, welding symbols, fabrication techniques, identification of welds, and welding abbreviations.

BACHELOR OF APPLIED SCIENCE CLASSES

To learn more about the Bachelor of Applied Science Programs offered at Centralia College, please go to <http://bachelors.centralia.edu/>

Governmental Accounting

☎ 4107 ACCT 401N3 (5)	6-7:50pm	Th	WSC 111	Broderson
	+3 hours/week	TBA		

An accounting course as it applies to government and not-for-profit entities. The topics include fund management, budget preparation, presentation of both fund and government-wide financial statements, and not-for profit entity financial performance. Prerequisite: ACCT& 202 or by permission.

Life Science Concepts (NS)

☎ 3126 BIOL 360A3 (5)	5-5:50pm	Th	WSC 111	Ibrahim
	6-7:50pm	Th	WSC 303	Ibrahim
	+3 hours/week	TBA		

Fundamentals of structure and function from subcellular to organismal levels. Sources of variation in traits and inheritance. Ecological and ecosystem dynamics. Evolution, natural selection, and adaptation. BAS-TE students will develop grade-appropriate lesson plans/activities. Prerequisite: five credits of lower division Natural Science. Lab fee \$20.

Professional & Organizational Communication (H)

☎ 3236 CMST 330A3 (5)	10-10:50am	Daily	WAH 207	Copeland
☎ 3237 CMST 330B3 (5)	12-12:50pm	MTWTh	WAH 207	Copeland
	+1 hour/week	TBA		
☎ 3238 CMST 330N3 (5)	7-8:50pm	T	WSC 111	Schmelpfenig
	+3 hours/week	TBA		

Foundation course designed to develop effective written and verbal communication skills in organizational settings. Students will gain an appreciation for the crucial role communication plays in organizations and how to improve their employability. Prerequisite: five credits of lower division Humanities.

Applied Management

☎ 3254 DET 300A3 (5)	8-9:50am	MTWTh	TEC 159	King
	+2 hours/week	TBA		

Introduces the principles and concepts of effective management including human resource management, quality control, social responsibility, decision-making, communication, conflict resolution and customer service. Prerequisite: enrollment in BAS-DT or instructor permission. **Class meets 10/21 - 12/6.**

Emissions Control

☎ 3255 DET 320A3 (5)	8-8:50am	MTWTh	TEC 133	Lucas
	9-11:30am	MTWTh	TEC 154	Lucas

Course content will focus on the theory and application of diesel exhaust emissions reduction technology. Prerequisite: enrollment in BAS-DT or instructor permission. Lab fee \$75. **Class meets 9/16 - 10/17.**

Shop/Fleet Management

☎ 3256 DET 430A3 (5)	8-8:50am	MTWTh	TEC 159	Lucas
	9-11:30am	MTWTh	TEC 154	Lucas

Introduction and explanation of day-to-day shop processes. Managerial skills, tasks, and responsibilities relevant to the diesel and heavy equipment industry will include: warranties, policies, cores, credits, paper in process, work orders, and budgeting. Prerequisite: enrollment in BAS-DT or instructor permission. Lab fee \$75. **Class meets 10/21 - 12/6.**

Applied Failure Analysis

☎ 3257 DET 455A3 (5)	8-8:50am	MTWTh	TEC 159	Conrad
	9-11:30am	MTWTh	TEC 154	Conrad

This course focuses on material failures, techniques of failure analysis, and examination/identification of failure root causes. Students will learn to interpret and explain their results to customers. Prerequisite: admittance into BAS-DT or administrative permission. Lab fee \$100. **Class meets 9/16 - 10/17.**

Intro to Special Ed

☎ 3271 EDUC 300N3 (5)	5-6:50pm	T	WSC 211	Smith
	+3 hours/week	TBA		

Provides an overview of the philosophical, historical and social implications of exceptional characteristics of students with disabilities, English language learners, and gifted and talented students.

Teaching and Technology

☎ 4108 EDUC 330N3 (3)	7-8:20pm	T	WSC 101	Ryan
	+1.5 hours/week	TBA		
☎ 4109 EDUC 330NA3 (3)	8-9:20pm	Th	WSC 101	Ryan
	+1.5 hours/week	TBA		

This course focuses on various education technologies, ranging from classroom equipment to online learning management systems, with a particular focus on students' physical and emotional safety.

Diversity in Students

☎ 3273 EDUC 350N3 (3)	8-9:20pm	Th	WSC 107	Mullins
	+1.5 hours/week	TBA		

Using theory, research and practice, students will understand and recognize issues of diversity. Behavioral supports will be assessed relative to vulnerable, special, and minority populations. Topics will include race, ethnicity, gender, class, sexuality, disability, and age. Prerequisite: admission to BAS-TE/instructor permission.

Development of Differently-Abled

☎ 3274 EDUC 380N3 (5)	5-6:50pm	T	WSC 107	Mackey
	+3 hours/week	TBA		

Examine typical and atypical development. Identify characteristics of differing abilities, including physical or medical needs and effects disabilities have on educational implications and individual and family lives.

Special Topics

☎ 3275 EDUC 385N3 (3)	8-9:20pm	T	WSC 211	Smith
	+1.5 hours/week	TBA		

Investigating and responding to current issues and trends in Special Education in order to understand and meet the needs of students.

Curriculum & Instruction

☎ 3277 EDUC 420N3 (5)	5-6:50pm	Th	WSC 101	Grande
	+3 hours/week	TBA		

Explore a variety of evidence-based instructional strategies for successful education of students with differing social and cultural backgrounds, and learning styles. Plan and implement class activities that involve students in an active learning environment.

Integrated Methods

☎ 3279 EDUC 425N3 (5)	5-6:50pm	T	WSC 101	Grande
	+3 hours/week	TBA		

Students explore integrated methods, strategies, and materials for teaching science, math, and social studies in K-8 classrooms. Students will apply standards and design inquiry-based lessons with cooperative learning strategies infusing literacy, creative arts, and technology.

BACHELOR OF APPLIED SCIENCE CLASSES

Practicum 1

☎ 3281 EDUC 481N3 (2) 7-7:50pm Th WSC 108 Smith
+3 hours/week TBA

Provides students with a foundation for understanding and articulating issues related to content in curriculum and instruction, diversity in students and special education. Students participate in 30 hours K-8 classroom experience.

Practicum 4

☎ 3282 EDUC 484N3 (2) 7-7:50pm T WSC 211 Smith
+3 hours/week TBA

This course allows students to integrate into schools and participate in the beginning of the year classroom set-up, teacher in-service, and first days of school for the classroom in which they will be student teaching.

Environmental Issues (NS)

☎ 4104 ENVS 440A4 (5) 10-10:50am Daily WSC 206 Carlson L
☎ 3344 ENVS 440N3 (5) 5-6:50pm T WSC 206 Hueckel

An exploration of environmental issues and their effect on business, communities and consumers. Case studies are used to examine basic concepts of ecology and environmental science as they relate to permitting and other business decisions. Prerequisite: lower division Natural Science course.

Application Development Fundamentals

☎ 4184 IT 301A3 (5) 3-4:50pm MW WAH 216 Hagen

Fundamental application development skills needed for construction of mid-sized stand-alone software systems. Topics include object-oriented principles (encapsulation, polymorphism, inheritance), object-oriented design process, UML diagrams, design patterns, application frameworks (MVC, MVVM, MVP), and design quality criteria. Students must complete an individual programming project of mid-level complexity. Experience with Object-Oriented Programming strongly recommended. Lab fee \$50.

Advanced Data Access Techniques

☎ 3396 IT 410A3 (5) 3-4:50pm TTh WAH 216 Keane
+2 hours/week TBA

This course examines utilization of advanced database systems such as NOSQL systems, dimensional cubes and hypercubes (OLAP), ODBC connections, and relational database systems for data analysis and development of data driven applications. Prerequisite: IT 350 or permission of instructor.

Internship I

☎ 3397 IT 440A3 (5) 12-12:50pm MTWTh WAH 216 Keane

Students enrolled in this internship will have opportunities to serve on a software development team in some capacity, gaining practical experience in the software development life cycle, stakeholder communication, collaboration, and software development. Prerequisites: IT 310, IT 330, IT 340.

Fundamentals of Management

☎ 4111 MGMT 301A4 (5) 9-9:50am Daily WAH 113 McClain
☎ 4110 MGMT 301N3 (5) 5-6:50pm T WAH 115 McClain
+3 hours/week TBA

Students will learn the concepts of creating and working effectively in teams. Students will work individually and in teams to use common business applications to produce written documentation appropriate to the outcome and audience. Students will learn the importance of accessible documents and learn to create and edit documents to increase accessibility. Information literacy concepts will be applied to the research needed to prepare written documents. A variety of workplace scenarios and case studies will be used to practice and reinforce the concepts taught.

Applied Financial Mgmt

☎ 4105 MGMT 340A4 (5) 9-9:50am Daily WSC 101 Rath
☎ 3472 MGMT 340N3 (5) 6-7:50pm Th WSC 206 Burger
+3 hours/week TBA

Surveys the application of tasks normally associated with the corporate financial manager. Topics of study include planning, controls, capital markets, capital budgeting, capital structure, and working capital management. Prerequisite: ACCT 310 with a minimum grade of 2.0.

Bus Principles, Planning & Strategy

☎ 4106 MGMT 360NA4 (5) 11-11:50am Daily WSC 204 McClain
☎ 3473 MGMT 360N3 (5) 7-8:50pm T WSC 206 McClain

Core course in strategy and planning. Topics include: establishing organizational mission, formal planning, strategy formulation, and implementation. Identify strengths, weaknesses, opportunities, and threats facing organizations.

Management of Human Resources

☎ 4175 MGMT 420A4 (5) 11-11:50am Daily WAH 109 Crawford
☎ 4176 MGMT 420N3 (5) 6-7:50pm Th WSC 107 King
+3 hours/week TBA

Core course in the responsibilities and role of human resource management in today's workplace. Material will concentrate on both regulatory and strategic responsibilities of HR. Topics include recruitment, interviewing, compensation and current HR issues.

MORTON SPECIAL INTEREST

Community Speaker Series

□ 3110 ASI 063R (1) 1-1:50pm Th MOR 101 Schinnell

The community Speaker Series offers a variety of lectures on topics of current interest across a wide variety of disciplines. Class fee \$25.

Pilates/Core

□ 3104 ASI 011R (1) 4:30-5:30pm Th MOR 108 Johnson

An exercise class designed to teach breathing with movement, body mechanics, balance, coordination, spatial awareness, strength and flexibility. Class fee \$25.

Middle Eastern Dance

□ 3105 ASI 014S (1) 6:30-7:30pm T MOR Nixon

Learn and practice dance postures, flexibility, and dance movements traditional to Middle Eastern cultures. Discover rich and varied music and movement inherent in Middle Eastern dance. Dress for exercise. Class fee \$30.

Better Bones and Balance

□ 3106 ASI 015R (1-1) 9:30-10:30am TTh MOR 101 Jones

Reap the benefits OSU Bone Research studies have shown: this exercise program can significantly slow loss of bone density in adults of all ages as well as improve balance, flexibility, coordination, muscle tone and overall body fitness. Class fee \$25. **Class meets 9/24-11/26.**

Success & Leadership

□ 3107 ASI 033R4 (2) 9-10:20am TTh MOR 108 Barnes

The study of behavior, personality, self-management, self-development as it relates to academic, personal or workplace goals. Class fee \$55.

Safety & Fitness

□ 3108 ASI 038R3 (1-2) **CANCELED**

An exploration of current personal health issues and a presentation of contemporary approaches to obtaining and maintaining a high level of wellness. Class fee \$45.