

# WINTER 2025

**First day of Winter Quarter – 1/6/2025**

**Advising Schedule –updated 12/16/2024**

## SCHEDULE KEY

☞ Class has online component(s), a \$2 per credit fee will be applied for online courses.

Shaded Class is offered after 4:30pm

☐ Class is offered at Centralia College East in Morton

## CLASS SECTION

- C** Face-to-face, class meets 100% instructional time on campus with required dates and times.
- O** Online, class is held online with no required dates/times for meetings; all activities are delivered through Canvas or a similar system
- P** Hybrid Plus, class meets more than 0% but less than 50% of instructional time with live instruction
- H** Hybrid, class meets more than 50% but less than 100% of instructional time with live instruction.
- VP** Virtual, Plus, class meets over web conferencing with more than 0% but less than 50% of instructional time with real-time instruction with required dates and times.
- VH** Virtual, Hybrid, class meets over web conferencing with more than 50% but less than 100% of instructional time with real-time instruction with required dates and times.

## ACCOUNTING

### **Cooperative Work Experience**

39866 ACCT 190 O (1-12)Online

Ushman

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. Attainment of learning objectives and development of positive work habits are emphasized. Pre-requisite: BTEC 191 (prior to or concurrent) or instructor permission.

### **Principles of Accounting I (AE)**

☞ 26975 ACCT& 201 O (5) CANCELED

Staff

Fundamental principles of double-entry accounting following Generally Accepted Accounting Principles (GAAP), including theories and procedures used to report business transactions and financial statements for sole proprietorships through the accounting cycle. Topics include: the accounting equation; debits and credits; journal entries; internal controls; bank reconciliations; accounting for receivables, inventories, and fixed assets; and financial statement preparation. Prerequisite: MATH 096 or equivalent or instructor permission. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### **Principles of Accounting II (AE)**

☞ 26976 ACCT& 202 H (5) 11:45am-12:50pm TWTh WAH 105 Ushman  
☞ 39864 ACCT& 202 O (5) Online Ushman

Accounting for partnerships and corporations. Topics include accounting for payroll, current and long-term liabilities, partnerships, corporations, and investments; preparation of the statement of cash flows; and financial statement analysis. Prerequisite: ACCT& 201 or ACCT 110 and 120 or instructor permission. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### **Principles of Accounting III (AE)**

☞ 27479 ACCT& 203 O (5) Online

Ushman

Managerial accounting for manufacturing businesses. Topics include job order and process costing; cost behavior and cost-volume-profit relationships; variable and contribution margin income statements; standard costs; flexible budgets; relevant costs; and capital budgeting decisions. Prerequisites: ACCT& 201 or ACCT 110 and 120. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### **Business Entity Tax**

☞ 27267 ACCT 240 H (5) 9:15-10:20am TWTh WAH 115 Ushman  
☞ 39865 ACCT 240 O (5) Online Ushman

Calculation of tax liability and preparation of tax forms for business entities, rental property, and other property disposition. Also includes tax research. Prerequisite: ACCT& 201 or ACCT 110 and 120 and ACCT 260. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### **Individual Income Taxes**

☞ 26973 ACCT 260 O (5) CANCELED

Staff

Individual income taxation focused on preparing individual federal income tax returns in the United States using current tax law. Topics include: purpose and sources of tax law; and preparing tax returns and schedules based on filing status, dependent identification and classification, the standard deduction, gross income inclusions and exclusions, tax deductions and credits, business expenses, and itemized deductions. Prerequisite: ACCT& 201 or ACCT 110 and 120. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### **Payroll Accounting**

☞ 26974 ACCT 270 O (5) CANCELED

Staff

Introductory course covering payroll calculation, accounting, and reporting, including knowledge of the Fair Labor Standards Act, the Social Security Act, federal income tax withholding laws, and other laws affecting payroll operations and employment practices. Topics include: computing and paying wages and salaries; Social Security and Medicare tax withholding; federal income tax withholding; unemployment compensation taxes; and analyzing and journaling payroll transactions. Prerequisite: ACCT& 201 or ACCT 110 and 120. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

# AMERICAN SIGN LANGUAGE

## *Am Sign Language I (H)*

📞 27608 ASL& 121 H (5) 2:30-3:50pm TTh WSC 109 Depuye

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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## *Am Sign Language II (H)*

📞 27613 ASL& 122 H (5) 1-2:20pm TTh WSC 109 Depuye

A continuation of ASL 121, with emphasis on developing fluency in American Sign Language. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

# ANTHROPOLOGY

## *Survey of Anthropology (D) (SS)*

📞 32401 ANTH& 100 O1 (5) Online 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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## *Biological Anthropology (NS)*

📞 27236 ANTH& 205 O1 (5) Online Avalos

Exploration of human biology, evolution, paleontology, taxonomy, primatology, genetics and human variation. A student cannot receive credit for both ANTH& 205 and ANTH& 215. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## *Cultural Anthropology (D)(SS)*

📞 26998 ANTH& 206 H1 (5) 10:30-11:35am MTWTh WSC 208 Avalos

📞 26999 ANTH& 206 O1 (5) Online 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. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## *Race & Ethnicity (D)(SS)*

📞 27226 ANTH 225 O (5) Online

Tate-Libby

Introduces the study of race and ethnicity from sociological and anthropological perspectives. Examines how race and ethnicity operate in relation to identities, interactions, institutions, cultures, and systems, with a focus on inequality and power. Focuses on race and ethnicity in the contemporary U.S., with historical and cross-cultural comparisons. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

# ART

## *Art Appreciation (H)(D)*

📞 27696 ART& 100 O1 (5) Online

Frey

📞 45600 ART& 100 O2 (5) Online

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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## *Drawing I (H)*

📞 27008 ART 102 H (5) 1-2:50pm MW WAH 108 Frey

An introduction to the fundamentals of drawing. Emphasis is placed on exploration of materials, observational study and technique development. Lectures on historical and contemporary artists provide cultural context for student work. No prior drawing experience necessary. Lab fee \$68. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## *3D Design (H)*

📞 27612 ART 111 H (5) 1-2:50pm TTh WAH 116 Frey

An introduction to fundamental processes and materials for making three-dimensional art. Emphasis is placed on exploration of media, observational study and technique development. Lectures on historical and contemporary artists provide cultural context for student work. Lab fee \$45. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## *Color Theory (H)*

📞 27010 ART 112 H (5) 1-2:50pm MW WAH 116 Solomon

Understand the use of color in art through hands-on learning. Explore materials and techniques with in-class projects. Recognize color interaction and its effect on the viewer. Learn the art-historical evolution of our understanding of color. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Computer Graphics (H)

☞ 27012 ART 130 H (5) 10:30-11:20am MTW 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 \$85. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Digital Photography (H)

☞ 27014 ART 174 H1 (5) 11:45am-12:35pm MTW WAH 209 Solomon  
☐ 31493 ART 174 R (5) 9:15-11:20am MW MOR 112 Holmgren

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 \$85. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Art History: 15th-17th C (D)(H)

☞ 27016 ART 201 H (5) 9:15-10:20am MTWTh WAH 109 Frey

A survey of the development of art in Pre-Columbian America, Africa and 15th-17th century Europe. The course will explore developments in architecture, sculpture, painting and other art forms. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

# ASTRONOMY

## The Solar System & The Universe (NS)

☞ 27017 ASTR 127 O (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)

☞ 27591 BIOL& 160 C (5) 10:30-11:20am MTWTh WSC 211 Neal  
Lab 1-2:50pm Th WSC 303 Neal  
☞ 27018 BIOL& 160 O1 (5) Online Hammon  
Lab Online Hammon

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. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Human Biology (NS)

☞ 27020 BIOL& 170 O1 (5) Online Hammon

Overview of the major anatomy of humans including genetics, cells, tissues, and organ systems with their interactions and development from embryo to old age, including representative diseased conditions. Includes contextualization of humans in larger evolutionary, ecological, and social structures as related to their biology. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Human Biology w/Lab (NS)

☞ 32759 BIOL& 175 H (5) 11:45am-12:50pm MW WSC 208 Jewell  
Lab 2-3:50pm W WSC 314 Jewell

Overview of the major anatomy of humans including genetics, cells, tissues, and organ systems with their interactions and development from embryo to old age, including representative diseased conditions. Includes contextualization of humans in larger evolutionary, ecology, and social structures as related to their biology. With lab. Students cannot receive credit for both BIOL& 175 and BIOL& 170. Lab fee \$20. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Majors Cell/Molecular (NS)

☞ 27022 BIOL& 222 C (5) 10:30-11:20am MTWTh WSC 121 Jung  
Lab 1 1-2:50pm T WSC 303 Jung  
Lab 2 1-2:50pm W WSC 303 Jung

Metabolism and energetics, structure and function of biomolecules and cells, Mendelian and molecular genetics, gene regulation and biotechnology. Second course in a three-quarter series (BIOL& 221, 222 and 223). Prerequisites: HS biology and chemistry or BIOL& 160; CHEM& 121 or CHEM 161 recommended. Lab fee \$20.96. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Human Anatomy and Physiology 1

☞ 27656 BIOL& 241 H (5) Online Tedder  
5-7pm T WSC 314 Tedder

Investigate interactions between structure (anatomy) and function (physiology) essential for human health. Investigate organization and function of macromolecules, membranes and the cell, tissues, integument, skeleton and articulations, skeletal muscles, nervous system and the brain. Prerequisite: BIOL& 160 or BIOL& 170 with a 2.0 grade or better, CHEM& 121 recommended, or instructor permission. Lab fee \$18.46. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Human Anatomy and Physiology 2 (NS)

☎ 32771	BIOL&	242 C1	(5)	9:15-10:05am	MTWTh	WSC 121	Jung
	Lab			1-2:50pm	M	WSC 314	Jung
☎ 32773	BIOL&	242 C2	(5)	8-8:50am	MTWTh	WSC 121	Jung
	Lab			1-2:50pm	Th	WSC 314	Jung

Investigate the interactions between structure (anatomy) function (physiology) essential for human health. Investigate organization and function of the sensory, endocrine, cardiovascular, immune, respiratory, digestive, urinary, and reproductive systems. Prerequisite: BIOL& 241 with a 2.0 grade or better or instructor permission. Lab fee \$18.46. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Microbiology (NS)

☎ 27135	BIOL&	260 H	(5)	11:45am-12:50pm	Th	WSC 208	Jewell
	Lab			1-2:50pm	TTh	WSC 301	Jewell

Introductory microbiology focused on human health covering eukaryotes, prokaryotes, and viruses. Includes laboratory applications of lecture concepts. Prerequisite: both a college-level chemistry and biology course, or instructor permission. Lab fee \$31.52. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## BOTANY

### Survey of Botany (NS)

☎ 27024	BOTA	110 C	(5)	1-1:50pm	MTWTh	WSC 307	Bozzolo
	Lab			2-3:50pm	T	WSC 307	Bozzolo

Introduction to plants for non-majors, with emphasis on growth, function, and reproduction. Human uses and modifications of plants for food and medicine will be explored. Students will conduct plant growth experiments in the greenhouse. Lab fee \$18.01. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## BUSINESS ADMINISTRATION

### Introduction to Business (AE)

☎ 26982	BUS&	101 O	(5)	Online			McClain
☎ 45809	BUS&	101 O2	(5)	Online			McClain

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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Business Law (AE)

☎ 27398	BUS&	201 VP	(5)	8-9:05am	MW	Virtual	Newman
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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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. This class meets virtually.**

## Entrepreneurship

☎ 39869	BUS 232 O	(5)	Online				King
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Experience the challenge and reward of planning a new business. Topics include: development of a business plan, failure factors in small businesses, capital, accounting, financial statements, marketing, human resource management, legal/regulatory issues and management principles. Prerequisite: BUS& 101 and ACCT 200, or instructor permission.

## Salesmanship

☎ 27484	BUS	235 H	(5)	9:15-10:05am	MW	WSC 111	Crawford
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Students will determine what motivates customers to make a buying decision and to ask appropriate questions to discover needs. Learn to organize sales process for effective time management, use technology and social media. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Principles of Management

☎ 27633	BUS	275 H	(5)	10:30-11:35am	MW	WAH 109	McClain
☎ 26981	BUS	275 O	(5)	Online			McClain

Management styles and effective management of personnel from the manager's side of business. The course is built around the five traditional functions of management and exploring management problems and practices. Real-life case problems used. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## BUSINESS OFFICE TECHNOLOGY

### Beginning Keyboarding

☎ 31400	BTEC	101 H	(3)	9:15-10:05am	TWTh	WAH 205	O'Hern
☎ 31402	BTEC	101 O	(3)	Online			O'Hern

Conquer the keyboard. Develop touch typing and ergonomics techniques to boost accuracy, speed, and comfort. Learn Microsoft Word basics to create business documents. Build your confidence at the keyboard. No typing skill is required. I T 117 Intro to Windows OS is recommended. Prerequisite: I T 117 Intro to Windows OS. Lab fee \$59. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Intermediate Keyboarding

🔗 26977 BTEC 102 H (3) 9:15-10:05am TWTh WAH 205 O'Hern  
🔗 27678 BTEC 102 O (3) Online O'Hern

Elevate your typing skills. Refine touch typing accuracy and speed, integrate ergonomic excellence, and create professional business documents in Microsoft Word. Enhance technique, accuracy, and speed for a competitive edge in the workplace. Recommended Pre-requisite: I T 117 and BTEC 101 or 30+ net wpm. Lab fee \$59. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Cooperative Work Experience

🔗 26978 BTEC 190 O (1-5) Online O'Hern

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. 33-396 hours, on-the-job per quarter. Instructor permission is required. Co-requisite: 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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Advanced Keyboarding

🔗 31418 BTEC 203 H (3) 9:15-10:05am TWTh WAH 205 O'Hern  
🔗 31420 BTEC 203 O (3) Online O'Hern

Achieve typing mastery. Perfect touch typing, embrace ergonomics, and craft polished business documents in Microsoft Word. Thrive in any professional context with precision, speed, and finesse. Aim for industry-standard speed and accuracy. Prerequisite: BTEC 102 or 45+ nwpm. Lab fee \$59. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Outlook

🔗 27590 BTEC 205 O (1) Online O'Hern

This course covers assorted tasks in Microsoft Outlook. Students will use their college email address to create and send email messages, schedule meetings, maintain calendars, and manage tasks. Prerequisite: IT 117, typing speed of 35 wpm or instructor permission. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Word 1

🔗 27480 BTEC 210 H (5) 10:30-11:35am TWTh WAH 205 O'Hern  
🔗 27637 BTEC 210 O (5) Online O'Hern

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. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Excel 1

🔗 26979 BTEC 214 H (5) 11:45am-12:50pm TWTh WAH 205 O'Hern  
🔗 27634 BTEC 214 O (5) Online O'Hern

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. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## PowerPoint

🔗 27636 BTEC 222 O (1) CANCELED O'Hern

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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Insurance and Billing

🔗 26980 BTEC 255 O (5) Online Staff

Introduction to major insurance program information and federal healthcare legislation. Exploration of health insurance guidelines and the knowledge and skills required for billing. Prerequisite: BTEC 260. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

# CHEMISTRY

## Chemical Concepts W/Lab (NS)

27027 CHEM& 110 C (5) 10:30-11:35am MTW WSC 213 Peck  
Lab 1-2:50pm Th WSC 302 Peck

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. Math 096 prerequisite. Lab fee \$27.69.

## Introduction to Chemistry (NS)

27029 CHEM& 121 C (5) 10:30-11:20am MTWTh WAH 103 Sprafka  
Lab 1-2:50pm T WSC 308 Sprafka  
Lab 1-2:50pm Th WSC 308 Sprafka  
🔗 27137 CHEM& 121 C2 (5) 3-3:50pm T WSC 208 Sprafka  
Lab 4-5:50pm T WSC 308 Sprafka

One-quarter survey of general chemistry intended for Allied Health students. Topics include: atoms, bonds, reactions, solutions, and acids and bases. Prerequisite: MATH 097 or MATH 098. Lab fee \$27.69. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Problem Solving in Chemistry

🔗 32781 CHEM 159 H (1) CANCELED Sprafka

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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## General Chemistry w/Lab I (NS)

☞ 27041 CHEM& 161 C (6) 9:15-10:05am MTWTh WSC 109 Sprafka  
Lab 1-4:50pm W WSC 308 Sprafka

First of a three-quarter sequence for science and engineering majors. Includes matter, measurements, equations, stoichiometry, solution chemistry, gases, thermochemistry, quantum theory, and electronic structure. Problem-solving and critical thinking are stressed. Includes lab. Prerequisite: CHEM& 139 or CHEM& 121 (>2.0) and MATH 099 or equivalent or instructor permission. Lab fee \$27.46.

## General Chemistry w/Lab II (NS)

☞ 27043 CHEM& 162 C (6) 9:15-10:05am MTWTh WSC 215 Peck  
Lab 1 1-4:50pm W WSC 302 Peck  
Lab 2 1-4:50pm T WSC 302 Peck

Second of a three-quarter sequence. Includes periodic trends, chemical bonding and structure, valence bond/molecular orbital theory, intermolecular forces, liquids and solids, solutions, and kinetics. Lab emphasizes data analysis and interpretation. Prerequisite: CHEM& 161 with a 2.0 or better or instructor permission. Lab fee \$27.69.

## COLLEGE & CAREER

### College & Career Success

☞ 27520	COLL	100 H1	(3)	8-9:05am	MW	TAC 331	Scott
☞ 27521	COLL	100 H2	(3)	8-9:05am	TTh	TAC 331	Hegsted
☞ 27522	COLL	100 H3	(3)	9:15-10:20am	MW	TAC 331	Seabertf
☞ 27652	COLL	100 H4	(3)	9:15-10:20am	TTh	TAC 331	Staff
☞ 31654	COLL	100 H5	(3)	10:30-11:35am	MW	TAC 331	Malroy
☞ 31655	COLL	100 H6	(3)	10:30-11:35am	TTh	TAC 331	Malroy
☞ 31656	COLL	100 H7	(3)	11:45am-12:50pm	MW	TAC 331	Majors
☞ 31657	COLL	100 H8	(3)	11:45am-12:50pm	TTh	TAC 331	Bower
☞ 44017	COLL	100 H9	(3)	CANCELED			Lee
☞ 44019	COLL	100 H10	(3)	CANCELED			Sire
☞ 31658	COLL	100 O1	(3)	Online			Queen
☞ 31659	COLL	100 O2	(3)	Online			Queen
☞ 31660	COLL	100 O3	(3)	Online			Pennington
☞ 31661	COLL	100 O4	(3)	Online			Pennington

### College & Career Success: STEM

☞ 33816 SCIE 100 H (3) 11:45am-12:50pm MW WSC 109 Sprafka

### College & Career Success for Trades

☞ 27658 TRDS 101 H (3) CANCELED Staff

Prepares students for college and career success through activities enhancing self-awareness and developing self-management skills and strategies. Students will learn to navigate college; reflect on diversity, identify career goals, and develop essential skills for academic success, information literacy, critical thinking, effective communication, time management, resource utilization, and financial planning. Lab fee \$15. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## COMMERCIAL TRUCK DRIVING

### Commercial Truck Driving

27271 CDL 100 C1 (12) 7:30am-4:30pm Daily FTC 109 Halstead  
27273 CDL 100 C2 (12) 7:30am-4:30pm Daily FTC 109 Halstead

This course is designed to prepare students to take the State of Washington test necessary to obtain a Commercial Driver License for the professional truck driving industry. Prerequisites: 18 years of age or older; pass Federal Department of Transportation health and drug screening; valid Washington state driver license; no DUI, hit and run, reckless, or negligent infractions within the past five years; have no more than three moving violations in the past three years. Instructor permission. Lab fee \$3,350.

## COMMUNICATION STUDIES

### Introduction to Mass Media (H)

☞ 27049 CMST& 102 O (5) Online McQuarrie

A survey of the mass media in America: newspapers, magazines, books, recorded music, radio, television, motion pictures, and the World Wide Web: with emphasis on structure, function, audience, content, effect and social responsibility. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### Racism, Sexism and the Media (D)(H)

☞ 27048 CMST 104 H (3) 11:45am-12:35pm MW WAH 109 Smallwood

Examine issues of race and gender in the media from both a historical and a current perspective. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### Public Speaking (H)

☞ 27053 CMST& 220 H1 (5) 8-8:50am MTWTh WAH 103 McQuarrie  
☞ 27690 CMST& 220 H2 (5) 9:15-10:05am MTWTh WAH 103 McQuarrie  
27051 CMST& 220 C1 (5) 11:45am-12:50pm MTWTh WAH 113 Kreilkamp  
☞ 27052 CMST& 220 O1 (5) Online McQuarrie  
☞ 27350 CMST& 220 O2 (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. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### Intercultural Communications (D) (H)

☞ 33267 CMST 250 RH (5) 9:15-11:20am T MOR 101 Majors

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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

# COMMUNICATIONS

## *Dragon NaturallySpeaking*

☎ 27458 COMM 100 O (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.

# CRIMINAL JUSTICE

## *Introduction to Criminal Justice*

☎ 27047 CJ& 101 H (5) 10:30-11:20am TTh TAC 338 Miller

Examines local, state and Federal law enforcement agencies and judicial and correctional systems. Career opportunities and qualifying requirements are studied. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## *Criminal Procedures*

☎ 27045 CJ 107 O (5) Online McFadden

Examines state and federal laws of arrest, search and seizure, civil and criminal liability. The rules of evidence and courtroom proceedings are studied. Pre/corequisite: CJ& 101 or instructor permission. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## *Introduction to Victimology*

☎ 27046 CJ 129 O (5) Online Miller

Introductory course examines violent crime and victimology in American society. Factors leading to acquaintance and stranger violence, proactive and reactive strategies to crime, legal issues and self-defense measures studied and discussed. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## *Domestic Violence and Abuse*

☎ 27593 CJ 130 O (5) Online Miller

This course examines physical and sexual domestic violence in our society. This includes spouse/partner abuse and child abuse. Contemporary investigation and intervention strategies and techniques are studied including evidence discovery, collection, and preservation. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## *Criminal Investigation*

☎ 27594 CJ 223 O (5) Online McFadden

Covers contemporary issues surrounding criminal investigation addressing the crime scene, investigative process of crimes against persons, property, vice crimes, and prosecution. It is designed to help students develop a working knowledge of criminal investigation. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

# DIESEL EQUIPMENT TECHNOLOGY

## *Forklift Certification*

27396	DET	102 C1	(1)	8am-3pm	F	TEC 133	Lipp
27397	DET	102 C2	(1)	8am-3pm	F	TEC 133	Lipp
27560	DET	102 C3	(1)	8am-3pm	F	TEC 133	Lipp

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. **Section C1 meets 1/24; section C2 meets 2/7; and section C3 meets 3/7.**

## *Mobile Electrical Systems I*

31667 DET 110 C (7) 9:15-10:20am MTWTh TEC 133 Harris

The exploration and application of fundamental principles of direct current electrical systems found on mobile equipment. Prerequisite: DET 100 or instructor permission; corequisite DET 130. Lab fee \$85.69. **This class meets 2/11 – 3/20.**

## *Mobile Hydraulic Systems*

31670 DET 130 C (7) 9:15-10:20am MTWTh TEC 133 Harris  
Lab 10:30am-3:30pm MTWTh TEC 135 Harris

Students will be introduced to terminology, physical properties, and principles relating to mobile hydraulic equipment. Students will engage in practical exercises that will aid in the understanding of basic hydraulic systems. Prerequisite: DET 100 or instructor permission; co-requisite: DET 110. Lab fee \$68.01. **This class meets 1/6 – 2/10.**

## *Power Transmission II*

27039 DET 210 C (7) 8-9:05am MTWTh TEC 133 Lipp  
Lab 9:15am-2:30pm MTWTh TEC 135 Lipp

The study of power shift and automatic transmissions as used in diesel powered equipment. Prerequisite: DET 125. Lab fee \$85.69. **This class meets 2/11 – 3/20.**

## *Heavy-Duty Chassis Systems*

26996 DET 225 C (7) 8-9:05am MTWTh TEC 133 Conrad  
Lab 9:15am-2:30pm MTWTh TEC 135 Conrad

The study and application of heavy-duty chassis systems used in diesel powered equipment. Prerequisite: completion of 1st year diesel classes. Lab fee \$68.01. **This class meets 1/6 – 2/10.**

# DRAMA

## *Introduction to Theater (H)*

32969 DRMA& 101 C (5) 10:30-11:35am MTWTh 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)*

32964 DRMA 107 C (5) 1-2:50pm MW 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)***

☞ 27217 DRMA 115 H (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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## ECONOMICS

### ***Microeconomics (SS)***

☞ 27054 ECON& 201 H (5) 11:45am-12:35pm MTWTh WSC 211 Rodriguez

Microeconomics is the study of households and firms and how they interact in markets under varying degrees of competition. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### ***Macroeconomics (SS)***

☞ 27706 ECON& 202 O (5) Online 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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## EDUCATION

### ***Child Development (SS)***

☞ 26991 EDUC& 115 H (5) 1-3:30pm T WAH 146 Fritch

Build foundation for explaining how children develop in all domains, conception through early adolescence. Explore various developmental theories, methods for documenting growth, and impact of brain development. Prerequisite: co-enrollment or previous enrollment in an ECE/EDUC course. (SS) **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### ***School Age Care***

☞ 27486 EDUC& 136 5321 (3) Online Staff

Develop skills to provide developmentally appropriate and culturally relevant activities/care for children ages 5-12 in a variety of settings. **This class is shared through Washington Online. This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. Class meets 1/2 - 3/13.**

## ***Exceptional Child***

☞ 26992 EDUC& 204 H (5) 1-3:30pm Th WAH 146 Fritch

Introductory course in recognition and identification of exceptionality in children from birth through high school (age 21). **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## EDUCATION-EARLY CHILDHOOD

### ***Trauma Informed Care***

31674 ECED 104 N (2) CANCELED Schneider

This course is eligible for DCYF's Trauma Informed Care financial award to eligible providers through the Fair Start For Kids Act. After assimilating new and known understandings of trauma, student will apply their work and perspective regarding trauma informed care to their work with children and families. Prerequisite: EQEL Year 1 or equivalent.

### ***Introduction Early Child Education (SS)***

☞ 27142 ECED& 105 O (5) Online Kirkpatrick

Explore the foundations of early childhood education. Examine theories defining the field, issues, trends, best practices, and program models. Observe children, professionals and programs in action. Lab fee \$25. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### ***Practicum-Nurturing Relationships***

27212 ECED& 120 C (2) 5-5:50pm W WAH 146 Kirkpatrick

In an early learning setting, engage in establishing nurturing, supportive relationships with all children and professional peers. Focus on children's health and safety, promoting growth and development, and creating a culturally responsive environment. Lab fee \$12.

### ***Family Child Care***

☞ 27485 ECED& 134 5322 (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. **This class is shared through Washington Online. This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. Class meets 1/2 - 3/13.**

### ***Home Visiting & Family Engagement***

☞ 31531 ECED& 138 8355 (3) Online Staff

Plan and provide home visits and group activities. Promote secure parent-child relationships. Support families to provide high-quality early learning opportunities embedded in everyday routines and experiences. **This class is shared through Washington Online. This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. Class meets 1/2 - 3/13.**



## Administration of Early Childhood Education

☎ 26983 ECED& 139 8227 (3) Online Staff

Develop administrative skills required to develop, operate, manage and improve early childhood education and care programs. Acquire basic business management skills. Explore resources and supports for meeting Washington State licensing and professional NAEYC standards. **This class is shared through Washington Online. This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. Class meets 1/2 - 3/13.**

## Environments-Young Child

☎ 26984 ECED& 170 H (3) 2:30-3:50pm W WAH 146 Kirkpatrick

This class focuses on the adult's role in designing, evaluating, and improving indoor and outdoor environments that ensure quality learning, nurturing experiences, and optimize the development of young children. Lab fee \$20. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Observation & Assessment

26985 ECED& 190 C (3) 1-2:20pm W WAH 146 Fritch

Collect and record observation and assessment data in order to plan for and support the child, the family, the group and the community. Practice reflection techniques, summarizing conclusions, and communicating findings.

## ELECTRONICS/ROBOTICS

### Robotic Controllers

☎ 27260 ERA 230 H (4) 9:15-9:50am M TEC 159 Gill  
Lab 10am-1:50pm M TEC 159 Gill

Introduction to robotic control systems and input/output processing. Platforms studied will include microcontrollers, computer numerically controlled (CNC) machines, various types of motor drive controllers and integration of input devices and sensors into algorithms to drive outputs. Prerequisite: TMATH 122 or equivalent. Lab fee \$25. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### Amplifiers

☎ 27037 ERA 240 H (5) 9:15-10:50am W TEC 159 Gill  
Lab 11am-2:50pm W TEC 159 Gill

Amplifier applications in audio and industrial settings. Topics will include small and large signal voltage and current amplifiers, analog and solid-state configurations and applications to audio, sensing and measurement, and digital comparison circuits. Prerequisite: ERA 170. Lab fee \$30. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## EMERGENCY MANAGEMENT

### Emergency Medical Technician

27388 HLSV 160 N (15) 5:30-10:30pm TTh ARR C Layton

This course covers all emergency medical care techniques presently considered technicians' responsibilities in their roles. The class is designed to ensure a uniformly high level of knowledge and skills among emergency care professionals. Prerequisite: healthcare provider CPR or instructor permission. Lab fee \$1,304.62. **Class meets 1/6 – 4/26.**

## ENGINEERING

### Applied Numerical Methods (AE)

☎ 27250 ENGR 203 C (5) 9:15-10:05am MTWTh WSC 108 Threapleton  
Lab 1-2:50pm W WSC 103 Threapleton

Numerical solutions to engineering and science problems using modern scientific computing tools. Application of mathematical judgment in selecting computational algorithms and communicating results. Introduction to MATLAB programming for numerical computation. Prerequisite: MATH& 152 (MATH 118 recommended) or instructor permission.

### Dynamics (AE)

☎ 27595 ENGR& 215 H (5) 10:30-11:20am MTWTh WSC 108 Threapleton

Second of a three-course sequence includes the study of kinematics and kinetics of a particle, work-energy, impulse-momentum, relative motion, and rigid-body mechanics. Vector methods will be stressed throughout. Prerequisite: MATH& 152. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## ENGLISH

### Writing & Grammar Review

☎ 27153 ENGL 098 H1 (1-5) 9:15-10:20am MTW WSC 101 Burr  
☎ 27055 ENGL 098 H2 (1-5) 10:30-11:35am MTW WSC 101 Burr  
31102 ENGL 098 N (1-5) 6-8:20pm TTh WSC 107 Sire

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. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### Fundamentals of English

☎ 27403 ENGL 099 H1 (1-5) 9:15-10:20am MTW WSC 101 Burr  
☎ 27056 ENGL 099 H2 (1-5) 10:30-11:35am MTW WSC 101 Burr  
31105 ENGL 099 N (1-5) 6-8:20pm TTh WSC 107 Sire

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. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## English Composition I (C)

☞	27647	ENGL&	101 H8	(5)	8-8:50am	MTWTh	WAH 105	Mitchler
☞	27060	ENGL&	101 H1	(5)	9:15-10:05am	MW	TAC 338	Waliezer
☞	27062	ENGL&	101 H3	(5)	9:15-10:05am	MTWTh	WAH 214	Mitchler
☞	27057	ENGL&	101 H2	(5)	10:30-11:20am	MW	TAC 338	Waliezer
☞	27059	ENGL&	101 H6	(5)	10:30-11:20am	MTWTh	WSC 109	Erickson
☞	27061	ENGL&	101 H4	(5)	11:45am-12:35pm	MTWTh	WSC 101	Erickson
☞	27063	ENGL&	101 H5	(5)	1-1:50pm	MTWTh	WAH 115	Erickson
☞	33047	ENGL&	101 H7	(5)	6-7:50pm	T	WAH 211	Davidson
☞	27064	ENGL&	101 O1	(5)	Online			Young
☞	27058	ENGL&	101 O2	(5)	Online			Young

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 in ENGL& 101. Prerequisite: placement into ENGL& 101 or 2.0+ in 5 credits of ENGL 099, WRT 105, or BTEC 221. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Composition II (C)

☞	27067	ENGL&	102 H1	(5)	9:15-10:05am	MW	TAC 340	Williams
☞	27677	ENGL&	102 H3	(5)	10:30-11:20am	MTWTh	TAC 340	Birkenstein
☞	27066	ENGL&	102 H2	(5)	11:45am-12:35pm	MW	TAC 340	Williams
☞	27065	ENGL&	102 H4	(5)	1-1:50pm	MTWTh	TAC 338	Birkenstein
☞	35210	ENGL&	102 RH	(5)	9:15-11:20am	Th	Morton	Williams
☞	27069	ENGL&	102 O1	(5)	Online			Waliezer
☞	27068	ENGL&	102 O2	(5)	Online			Williams
☞	27235	ENGL&	102 O3	(5)	Online			Baker

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. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Intro to Dramatic Literature (H)

☞	27614	ENGL&	114 H	(5)	CANCELED			Staff
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Survey of dramatic literature from classical Greek to modern plays, emphasizing basic elements of plot, character, language, and the traditional genres of tragedy and comedy. Students will attend two plays at their own expense. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Introduction to Creative Writing (H)

☞	27348	ENGL	208 O	(5)	Online			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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Technical Writing (C)

☞	27240	ENGL&	235 O1	(5)	Online			Davidson
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An alternative to ENGL& 102 for science and engineering majors, focused on writing with clarity, objectivity, audience awareness, proper formats as well as research techniques, problem-solving, critical thinking and development of source-based writing. Prerequisite: completion of ENGL& 101 with a minimum grade of 2.0. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Non-Western World Literature (H)(D)

☞	32970	ENGL	260 O	(5)	Online			Birkenstein
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Literature of the non-western world, ancient times to the present: Middle East, India, Africa, China, Japan, Americas focusing on how literature expresses these cultures' spiritual traditions, political values, gender issues, environmental beliefs. Prerequisite: ENGL& 101 with 2.0 or better or instructor permission. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Writing in the Workplace

☞	27402	WRT	105 O	(5)	Online			Davidson
☞	45504	WRT	105 O2	(5)	Online			Davidson

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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

# ENVIRONMENTAL SCIENCE

## Survey of Environmental Science (NS)

27071	ENVS&	100 C	(5)	10:30-11:35am	MTWTh	WSC 215	Bozzolo
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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 ENVS& 100 and ENVS& 101.

## Natural Resources Management (NS)

27070	ENVS	170 C	(5)	9:15-10:20am	MTWTh	WSC 110	Bozzolo
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What are Pacific Northwest forests, fishes and wildlife? Learn some common species, historical human uses, what policies drive their management, how to conserve them for future use, and how to plan for a career in the field.

# GEOLOGY

## Historical Geology w/Lab (NS)

27072	GEOL&	103 C	(5)	9:15-10:05am	MTWTh	WSC 105	Harris
	Lab			1-2:50pm	Th	WSC 105	Harris
	Lab			3-4:50pm	Th	WSC 105	Harris

Evolution of Earth and life as interpreted through the fossil and rock record. Includes fossils, relative and numerical-age dating, stratigraphic principles, global change, and the geologic history of the North American continent. Includes lab. Lab fee \$22.26.

## Survey of Earth Sciences (NS)

☞ 27697 GEOL 106 C (5) 10:30-11:20am MTWTh WSC 105 Harris  
Lab 1-2:50pm T WSC 105 Harris  
Lab 3-4:50pm T WSC 105 Harris

Study of Earth as a diverse system of interconnected processes. Explores topics in: geology, oceanography, atmospheric science, and astronomy with an emphasis on the interactions between humans and Earth. Includes lab. Lab fee \$10.

## Natural Hazards & Catastrophes

☞ 27139 GEOL 108 O1 (5) Online Harris  
Lab Online 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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## HEALTH

### Women's Health Issues (D) (HF)

☞ 31504 HLTH 120 RO (3) Online Jones

An opportunity to examine current women's health and well-being issues. Lab fee \$3.10. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### Health & Wellness (HF)

27252 HLTH 130 C (3) 9:15-10:20am MW MSG 106 Johnson  
☞ 31458 HLTH 130 O (3) Online Johnson

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. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### Exercise & Nutrition (HF)

27078 HLTH 140 C (3) 10:30-11:35am TTh MSG 106 Johnson  
☞ 27079 HLTH 140 O1 (3) Online Johnson  
☞ 27621 HLTH 140 O2 (3) Online Bruhn

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. **Sections O1 and O2 require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### Stress Management (HF)

27080 HLTH 143 C (2) 9:15-10:20am TTh MSG 106 Johnson  
☞ 27081 HLTH 143 O1 (2) Online Johnson  
☞ 31459 HLTH 143 O2 (2) Online Bruhn

Understand how stress can impact the quality of life. Learn methods for identifying stressors and strategies to effectively manage them. Construct a personalized stress management program. **Sections O1, O2, and O3 require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Safety and Fitness (HF)

☞ 27082 HLTH 145 O1 (3) Online McMullan  
☞ 27622 HLTH 145 O2 (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 \$47.35. **Required on-campus lab meets TBA, 1-5pm in MSG 106. These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## HISTORY

### World Civilization II (SS)(D)

☞ 33812 HIST& 127 O (5) Online Mayfield

Examines the progression of world history in pre-modern and early modern period. Topics include the development of mercantile capitalism, the Columbian exchange, revolutions in science, philosophy and politics, and the impact of colonialism and slavery. (SS)(D) **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### US History I (SS)

27596 HIST& 146 C (5) 10:30-11:35am MTWTh TAC 122 Peterson

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)

27075 HIST& 147 C (5) 11:45am-12:50pm MTWTh TAC 122 Peterson

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)

27076 HIST& 148 O (5) Online Mayfield

Analysis of American history from World War One to the present. Emphasis will be on the political, social, and economic changes.

### Pacific NW History (SS)

27077 HIST& 214 O (5) Online Mayfield

Study of the early exploration and settlement of the Pacific Northwest. Emphasis will be on the economic, political and social developments. The course is designed to meet state certification requirements for teachers.

# HUMAN RELATIONS

## Human Relations-Workplace

☞ 26993 H R 110 H (5) 9:15-10:20am TTh WAH 113 McClain  
☞ 26994 H R 110 O (5) Online McClain

The 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. Prerequisite: HR 101 or instructor permission. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

# HUMANITIES

## Humanities II (H)

☞ 27090 HUM& 117 O (5) Online Mitchler

A survey of the major movements in art, architecture, music, philosophy, and literature in a historical context, from 1300 C.E. to 1800 C.E. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Survey of Film Studies (H)

☞ 27089 HUM 270 VP (5) 1-1:50pm T Virtual Mitchler

An examination of the social, historical, technical, and artistic aspects of film through viewing, study and discussion of notable motion pictures. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. This class meets virtually.**

## Lyceum II (AE)

33090 HUM 282 C (1) 1-1:50pm W WAH 103 Bannish

## Lyceum V (AE)

33091 HUM 285 C (1) 1-1:50pm W WAH 103 Bannish

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.

# INDUSTRIAL TRADES

## Industrial Safety

27231 TRDS 100 C (5) 9-9:50am MT ARR Lipp  
Lab 10am-2:50pm MT TEC 135 Lipp

Theory and application of tools and practices as used in an industrial setting. Students will develop skills and habits as well as safety practices, procedures, and equipment. Basic firefighting equipment and procedures will be included. Lab fee \$70.

## College & Career Success for Trades

☞ 27658 TRDS 101 H (3) CANCELED Staff

Prepares students for college and career success through activities that enhance self-awareness and equip students with necessary skills and strategies. Students will learn to navigate college, value diversity, identify career goals, and develop essential skills in information literacy, critical thinking, effective communication, time management, resource utilization, and financial planning. Lab fee \$15. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Mechanical Systems

27342 TRDS 120 C (5) 9:15-9:50am MT ARR Conrad  
Lab 10am-2:50pm MT TEC 135 Conrad

Application of mathematical operations in relation to Industrial Trades mechanical systems and applying math principles to hands-on experience using tools, measuring devices, and mechanical equipment following industrial safety standards. Prerequisite: Math 95 or equivalent or instructor permission. Co-requisite: TRDS 100. Lab fee \$50.

## Fluid Systems

27344 TRDS 140 C (5) 9:15-9:50am WTh ARR Steidel  
10-11:50am WTh TEC 154 Steidel

Application of basic mathematical operations in relation to Industrial Trades. Emphasizes the use of mathematics in hydraulics and pneumatics. Includes hands-on work with hydraulic and pneumatic equipment, following safety standards. Prerequisite: MATH 095 or equivalent or instructor permission. Co-requisite: TRDS 100 or instructor permission. Lab fee \$50.

## Print Reading

27233 TRDS 150 C (2) 3-3:50pm T TEC 105 Hegsted

The foundation of print reading in the industrial trades. Included is print reading relative to welding, pipe-fitting, electrical, fluids, and construction.

## CAD for Industry

32338 TRDS 160 C (2) 3-4:50pm M WAH 216 Gill

Introduction to computer-aided drafting (CAD), editing, dimensioning, drawing aids, and layer control design used in the industrial trades. Prerequisite: TRDS 150 or instructor permission.

## Electrical Systems

27627 TRDS 180 C (5) 12-12:50pm WTh ARR Steidel  
Lab 1-2:50pm WTh ARR Steidel

Application of mathematical operations in relation to Industrial Trades electrical systems fundamentals, with hands-on lab work using proper tools, meters, and electrical equipment, always following industrial safety standards. Prerequisite: TRDS 100, TRDS 120, TRDS 140, or instructor permission. Lab fee \$50.

# INFORMATION TECHNOLOGY

## Programming I

☞ 27574 IT 111 H (5) 9:15-10:05am MTWTh WAH 216 Harlan  
☞ 27576 IT 111 VH (5) 9:15-10:05am MTWTh Virtual Harlan

A course in event-driven programming concepts. Students will develop event-driven programs that utilize a graphical user interface (GUI). Topics include GUI libraries, event handling, delegation, and threading basics. Version control and unit testing will also be introduced. Prerequisite: I T 101 or CS& 131 or CS& 141 or permission. Lab fee \$50. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. Section VH meets virtually.**

## Introduction to Windows OS

☞ 27334 IT 117 H (3) 8-8:50am TTh WAH 207 Coleman  
☞ 27006 IT 117 O (3) Online Coleman

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

## Introduction to Web Development

☞ 27147 IT 119 H (5) 10:30-11:20am MTWTh WAH 207 Kerschner  
☞ 27445 IT 119 VH (5) 10:30-11:20am MTWTh Virtual Kerschner

Designed for new web designers who want to develop, modify, and design standards-compliant web pages using the HTML and CSS languages. Lab fee \$50. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. Section VH meets virtually.**

## Web Development III

☞ 27255 IT 213 H (5) 10:30-11:20am MTWTh WAH 211 Montalbano  
☞ 27568 IT 213 VH (5) 10:30-11:20am MTWTh Virtual Montalbano

Students will learn to develop applications using three-tier architecture, allowing for rich user interfaces and advanced database interactions. This course builds on previous experience in web development. Prerequisite: I T 112 and I T 212. Lab fee \$50. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. Section VH meets virtually.**

## Software Development I

☞ 27156 IT 220 H (5) 11:45am-12:35pm MTWTh WAH 207 Kerschner  
☞ 27448 IT 220 VH (5) 11:45am-12:35pm MTWTh Virtual Kerschner

A course in software development strategies and tools. Students will work in teams to complete software applications. Topics include the software development life-cycle, Agile development strategies, version control systems, and issue-tracking tools. Prerequisite: I T 112 or permission. Lab fee \$50. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. Section VH meets virtually.**

## Computer Science I C++

☞ 27340 CS& 131 H (5) 9:15-10:05am MTWTh WAH 211 Montalbano

Intended as an introduction to programming. Emphasis is on the features of the 'C' programming language with an introduction to C++ object-oriented programming and good programming style. Lab fee \$31.88. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

# MATHEMATICS

## Pre-Algebra

27095 MATH 096 C1 (1-5) 8-9:05am MWTh TSB 001 Spitzer  
☞ 31250 MATH 096 NH (1-5) 4:30-5:45pm MTWTh TSB 001 Keahey  
☞ 27609 MATH 096 O (1-5) Online Salos

Covers percents, proportions, unit conversions, geometry, simplifying algebraic expressions and solving simple first-degree linear equations. Prerequisite: MATH 095 or appropriate test score placement. **Sections NH and O require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Non-STEM Algebraic Literacy

27098 MATH 098 C1 (1-5) 8-9:05am MWTh TSB 001 Spitzer  
27099 MATH 098 C2 (1-5) 10:30-11:35am MWTh WSC 110 Spitzer  
☞ 31251 MATH 098 NH (1-5) 4:30-5:45pm MTWTh TSB 001 Keahey  
☞ 27610 MATH 098 O (1-5) Online Salos

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 exponent expressions. This class will prepare students for MATH 099, MATH 102, MATH& 107, and MATH& 146. Prerequisite: MATH 096 or equivalent. **Sections NH and O require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## STEM Algebraic Literacy

27245 MATH 099 C2 (1-5) 8-9:05am MWTh TSB 001 Spitzer  
27243 MATH 099 C1 (1-5) 8-9:05am MWTh TSB 001 Spitzer  
☞ 31252 MATH 099 NH (1-5) 4:30-5:45pm MTWTh TSB 001 Keahey  
☞ 27611 MATH 099 O (1-5) Online Salos

Introduces the concept of functions, their graphs and properties. Particular attention will be paid to linear, quadratic, exponential and logarithmic functions. This class will prepare students for MATH& 131, MATH& 141, and MATH 147. Prerequisite: MATH 098 or equivalent. **Sections NH and O require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Math in Society (M)

27663 MATH& 107 C (5) 9:15-10:20am MTWTh WSC 107 Lee  
☞ 27100 MATH& 107 O (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. **Section O requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Pre-Calculus I (M)

27101 MATH& 141 C (5) 10:30-11:35am MTWTh WSC 107 Ziegler

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)

27102 MATH& 142 C1 (5) 8-9:05am MTWTh WSC 109 Adams

27103 MATH& 142 C2 (5) 8-9:05am MTWTh WSC 107 Taylor

32943 MATH& 142 O (5) Online Adams

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.

**Section O requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Introduction to Statistics (M)

27105 MATH& 146 C1 (5) 9:15-10:20am MTWTh WSC 213 Taylor

27692 MATH& 146 C2 (5) 11:45am-12:50pm MTWTh WSC 213 Kiekel

27104 MATH& 146 O1 (5) Online Lee

27238 MATH& 146 O2 (5) Online Kiekel

45503 MATH& 146 O3 (5) Online Adams

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. **Class section O3 meets 1/20 – 3/20. Sections O1, O2, and O3 require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Finite Math for Business (M)

27597 MATH 147 O (5) Online Ziegler

Linear, polynomial and rational function models. Exponential and logarithmic functions. Mathematics of finance, matrices, linear programming, set operations and probability. Prerequisite: MATH 099 or equivalent. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Calculus I (M)

27106 MATH& 151 C (5) 10:30-11:35am MTWTh WAH 214 Adams

The first in a four-quarter sequence. Limits, derivatives of algebraic and some transcendental functions, applications of derivatives, the indefinite integral. Topics covered from numerical, analytical and graphical viewpoints. Prerequisite: MATH& 142 or equivalent.

## Calculus III (AE)

27107 MATH& 163 C (5) 11:45am-12:50pm MTWTh WSC 215 Taylor

Third in a four-quarter sequence. Polar coordinates, parametric equations, vectors, and vector fields, the analytic geometry of three-space, partial derivatives, and multiple integrals. Prerequisite: MATH& 152 or equivalent.

## Statistical Programming (M)

32905 MATH 245 O (5) Online

Kiekel

Introduction to data structures and implementing procedures in statistical computing languages and spreadsheet applications. Examples may include R, Python, and Excel. Provides a foundation in computation components of data analysis. Prerequisite: MATH& 146 or equivalent, or instructor permission. Lab fee \$50. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

# MECHATRONICS

## Allen Bradley PLCs

27258 MEC 260 H (5) 9:15-11:50am T TEC 159 Gill

Lab 12-3:50pm T TEC 159 Gill

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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

# MEDICAL ASSISTANT

## Medical Math

27354 MA 130 H (5) 8-8:50am MTWTh TEC 115 Steidel

A mathematics course that focuses on solving applications using percent, proportion, and unit conversion as well as descriptive data interpretation. Satisfies the math requirement for the Medical Assistant ATA. Prerequisite: MATH 096 or equivalent. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## MA Medical Terminology

28516 MA 139 O (5) Online Rose

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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Medical Administration

27025 MA 242 H (7) 9:15-11:35am MTWTh TEC 115 Layton T

An overview of pharmacology and medication administration as it applies to the medical assistant's responsibilities in ambulatory care. Prerequisite: acceptance into 2nd year MA program. Lab fee \$65. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## MA Laboratory Procedures

☞ 27031 MA 246 H (10) 11:45am-2:30pm MTWTh TEC 115 Layton T  
8-10:50am F TEC 115 Layton T

Overview of laboratory procedures and regulations for the ambulatory health care setting, including phlebotomy training. Prerequisite: acceptance into 2nd year MA program. Lab fee \$53.16. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## MUSIC

### Music Appreciation (D)(H)

☞ 27110 MUSC& 105 O (5) Online May

Developing an understanding of music through the study of musical elements and cultural contexts. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### Jazz Ensemble I – VI (AE)

27218	MUSC	124 N	(2)	6-8:30pm	W	WAH 152	Blaser
27460	MUSC	125 N	(2)	6-8:30pm	W	WAH 152	Blaser
27355	MUSC	126 N	(2)	6-8:30pm	W	WAH 152	Blaser
27462	MUSC	127 N	(2)	6-8:30pm	W	WAH 152	Blaser
27464	MUSC	128 N	(2)	6-8:30pm	W	WAH 152	Blaser
27466	MUSC	129 N	(2)	6-8:30pm	W	WAH 152	Blaser

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

### Music of the World (D)(H)

☞ 27108 MUSC 139 H (5) 10:30-11:20am TTh WSC 109 O'Donel

A music survey of diversity found in music around the world. Examines music as an 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, and grammar skills. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### History of American Music (D)(H)

☞ 27109 MUSC 140 O (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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### Music Theory II (H)

27606 MUSC& 142 C (5) 10:30-11:35am MTWTh WAH 125 Kim

A study of the workings of a variety of styles of music. Emphasis on aural, written, and performance skills to focus on the following areas: intervals, counterpoint, triads, seventh chords, Roman numerals, lead sheet symbols, cadences, and bass lines. Lab fee \$25.

### Concert Choir I - VI (AE)

27386	MUSC	144 N	(2)	6:30-9pm	Th	WAH 107	Kim
27468	MUSC	145 N	(2)	6:30-9pm	Th	WAH 107	Kim
27470	MUSC	146 N	(2)	6:30-9pm	Th	WAH 107	Kim
27472	MUSC	147 N	(2)	6:30-9pm	Th	WAH 107	Kim
27474	MUSC	148 N	(2)	6:30-9pm	Th	WAH 107	Kim
27476	MUSC	149 N	(2)	6:30-9pm	Th	WAH 107	Kim

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

### Functional Piano II (AE)

27605 MUSC 152 C (1) 11:45am-12:50pm Th WAH 125 Kim

Functional piano study/skill for music majors. A practical course to accompany the music theory courses. Prerequisite: MUSC 151 or instructor permission (audition required). Corequisite: simultaneous enrollment in music theory class.

### Applied Music

The following Applied 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. Instructor's permission and/or audition required. Corequisite: ensemble and/or music theory. (Academic Elective) Lab fee \$300.

### Applied Flute (AE)

27604 MUSC 150 C (1) ARR ARR ARR O'Donel

### Applied French Horn (AE)

27598 MUSC 154 C (1) ARR ARR ARR Blaser

### Applied Trumpet (AE)

27357 MUSC 155 C (1) ARR ARR ARR Blaser

### Applied Trombone (AE)

27358 MUSC 156 C (1) ARR ARR ARR Blaser

### Applied Tuba (AE)

27359 MUSC 157 C (1) ARR ARR ARR Blaser

### Applied Euphonium (AE)

27360 MUSC 158 C (1) ARR ARR ARR Blaser

### Applied Percussion (AE)

27361 MUSC 159 C (1) ARR ARR ARR Blaser

### Applied Piano (AE)

27599 MUSC 160 C (1) ARR ARR ARR Kim

### Applied Violin (AE)

27362 MUSC 161 C (1) ARR ARR ARR Staff

### Applied Viola (AE)

27363 MUSC 162 C (1) ARR ARR ARR Staff

### Applied Cello (AE)

27600 MUSC 163 C (1) ARR ARR ARR Staff

### Applied Double Bass (AE)

27601 MUSC 164 C (1) ARR ARR ARR Staff

### Applied Guitar (AE)

27602 MUSC 165 C (1) ARR ARR ARR Tillinghast

### Applied Saxophone (AE)

27364 MUSC 166 C (1) ARR ARR ARR Blaser

### **Applied Voice (AE)**

27365 MUSC 167 C (1) ARR ARR ARR Kim

### **Applied Composition (AE)**

33354 MUSC 168 C (1) ARR ARR ARR May

### **Applied Clarinet (AE)**

27366 MUSC 169 C (1) ARR ARR ARR Blaser

### **Applied Oboe (AE)**

27367 MUSC 170 C (1) ARR ARR ARR Blaser

### **Applied Bassoon (AE)**

27603 MUSC 171 C (1) ARR ARR ARR Blaser

### **Community Band I - VI (AE)**

27220	MUSC	175	N	(2)	7-9pm	T	WAH 152	Blaser
27222	MUSC	176	N	(2)	7-9pm	T	WAH 152	Blaser
27368	MUSC	177	N	(2)	7-9pm	T	WAH 152	Blaser
27370	MUSC	178	N	(2)	7-9pm	T	WAH 152	Blaser
27372	MUSC	179	N	(2)	7-9pm	T	WAH 152	Blaser
27374	MUSC	180	N	(2)	7-9pm	T	WAH 152	Blaser

Performing 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 (AE)**

27224	MUSC	185	N	(2)	6:30-9pm	M	WAH 152	Friedlander
27376	MUSC	186	N	(2)	6:30-9pm	M	WAH 152	Friedlander
27378	MUSC	187	N	(2)	6:30-9pm	M	WAH 152	Friedlander
27380	MUSC	188	N	(2)	6:30-9pm	M	WAH 152	Friedlander
27382	MUSC	189	N	(2)	6:30-9pm	M	WAH 152	Friedlander
27384	MUSC	190	N	(2)	6:30-9pm	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.

## NURSING

### **Common Alterations in Health I**

27640 NURS 102 C (7) ARR ARR ARR Team Teach

Continues the development of progressive competencies that reflect program themes of homeostasis; the role of the nurse and continuum of care as applied to the cardiac, respiratory, and endocrine systems; and medication and fluid administration. On-campus theory course. Prerequisite: NURS 101, NURS 111; co-requisite: NURS 112. Lab fee \$470.17.

### **Common Alterations in Health II**

32343 NURS 103 C (7) ARR ARR ARR Capen

Continues the development of progressive competencies which reflect program themes, including the provision of holistic care applied to patients with alterations in renal, GI, neurological, musculoskeletal, perioperative, mental health, and care of the child-bearing family. Prerequisite: NURS 102, NURS 112; co-requisite: NURS 113. Lab fee \$470.17.

### **Complex Alterations in Health**

40047 NURS 202 C (7) ARR ARR ARR Gustafson

Course prepares students to care for patients with complex health issues. Students will focus on managing cardiovascular and respiratory conditions, hematology and oncology, fluid, electrolyte, and pH imbalances, and pain management. Students will develop critical thinking and clinical judgement to assess, plan, and implement interventions for acute and chronic conditions. Prerequisites: NURS 201, NURS 211. Corequisites: NURS 212. Lab Fee: \$470.17.

### **Complex Alterations in Health Practicum**

40048 NURS 212 C (5) ARR ARR ARR Team Teach

Course offers students hands-on experience caring for patients with complex conditions in clinical and simulated environments. Students will develop critical thinking and practical skills, managing diverse health issues across various settings. Through patient care and simulation, students learn to assess, prioritize, and implement advanced nursing interventions in dynamic, interdisciplinary teams. Prerequisites: NURS 201, NURS 211. Corequisites: NURS 202. Lab Fee: \$29.50.

### **Common Alterations in Health I Practicum**

32340 NURS 112 H (5) ARR ARR ARR Team Teach

Practical application of continued development in progressive competencies reflecting themes of homeostasis; the nursing role and continuum of care as applied to cardiac, respiratory, and endocrine systems; and medication and fluid administration. Includes hands-on experience in the nursing lab, simulation lab, and direct patient care in the clinical setting. Prerequisite: NURS 101, NURS 111; co-requisite: NURS 102. Lab fee \$59.50. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### **Common Alterations in Health II Practicum**

32344 NURS 113 H (5) ARR ARR ARR Capen

Practical application of health assessment and medical/surgical nursing skills. Emphasizes provision of medical surgical nursing care of adults in acute care, procedural, and community settings. Includes hands-on experience in the nursing lab, simulation lab, and direct patient care in the clinical setting. Prerequisite: NURS 102, NURS 112; co-requisite: NURS 103. Lab fee \$59.50. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## NURSING ASSISTANT

### **Basic Life Support for Healthcare**

27558	HLSV	110	C1	(1)	8am-12pm	ARR	FTC 110	Layton
27559	HLSV	110	C2	(1)	1-5pm	ARR	FTC 110	Layton
31492	HLSV	110	C3	(1)	5-9pm	ARR	FTC 110	Layton

Course 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. Lab fee \$15. **Sections C1 and C2 meet on 2/12; section C3 meets 1/22.**



## Nursing Assistant Certification

27000	HLSV	131 C1	(12)	8-9am	MTWTh ARR	Speer
	Lab			9am-12pm	MTWTh ARR	Speer
	Clinical			7am-12:30pm	MTWTh	Speer
27003	HLSV	131 C2	(12)	1-2pm	MTWTh ARR	Speer
	Lab			2-5pm	MTWTh ARR	Speer
	Clinical			12:30-5pm	MTWTh	Speer
31495	HLSV	131 N	(12)	5-6pm	MTWTh FTC 110	Staff
	Lab			6-9pm	MTWTh ARR	Staff
	Clinical			5-10:30pm	MTWTh ARR	Staff

This comprehensive training course provides awareness of the role of the nursing assistant (WAC 246-841). A nursing assistant demonstrates competency in basic technical and communication skills and recognizes individual, cultural, and religious diversity. Specialty credentials in Dementia, Mental Health, Nurse Delegation, and Special Focus on Diabetes are included. A favorable background check is required to participate in clinicals (RCW 18.130.064). A favorable background check is required to participate in clinicals. Co-requisite: HLSV 110 BLS for Healthcare. Lab fee \$290.

## NUTRITION

### Nutrition (NS)

27111	NUTR&	101 H	(5)	9:15-10:20am	MW	WSC 208	Jewell
27134	NUTR&	101 O	(5)	Online			Kumar

An exploration of human nutrition with an emphasis on metabolism, digestion, dietary planning and analysis, and weight control. Prerequisite: HS level biology or chemistry. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## OCEANOGRAPHY

### Introduction to Oceanography (NS) w/lab

27112	OCEA&	101 O	(5)	Online			Will
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Explore the physical, geological, chemical and biological characteristics of the world ocean: waves and tides, ocean and atmosphere circulation, coastal features and beach processes, origin and structure of ocean basins, sediments, ocean chemistry and physics, earth structure and plate tectonics, and life in the oceans. Lab fee \$17.94. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## PHILOSOPHY

### Introduction to Philosophy (H)

27117	PHIL&	101 O	(5)	Online			Diamant
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Investigate the assumptions philosophers have made about reality, knowledge, truth, God, morality, social construction, freedom, and paternalism. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Introduction to Ethics (H)

27116	PHIL	103 O	(5)	Online			Graham
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Focus on choices made in concrete circumstances. Study traditional ethical theories and present-day moral dilemmas. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## PHLEBOTOMY

### Intro to Phlebotomy

27332	PHLE	131 H	(6)	1-2:30pm	MTWTh	TEC 133	Rose
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Laboratory procedures and regulations as set forth by federal standards will be the focus of this course. The student phlebotomy technician will be taught how to perform Clinical Laboratory Improvement Amendments (CLIA) waived laboratory testing that is within their scope of practice in the medical office laboratory. Prerequisites: MA 139 Medical Terminology, BIOL& 170 Human Biology. Lab fee \$164.62. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## PHYSICAL EDUCATION

### Volleyball

27623	P E	115 C	(1)	11:45am-1:30pm	TTh	MSG 103	Hoel
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This course will cover the fundamental skills and techniques of beginning volleyball. Includes basic rules, scoring and strategy. Lab fee \$3.10.

### Stretching & Flexibility (HF)

27113	P E	121 C	(1)	11:45am-12:50pm	TTh	MSG 200	Johnson
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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.

### Weight Training (HF)

27624	P E	123 C	(1)	10:30-11:35am	MW	MSG 130	Robinson
27625	P E	123 O	(1)	Online			Robinson

Designed to condition the musculature of the body using machine and free weights. Lab fee \$3.10. **Section O requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### Free Weights (HF)

31471	P E	125 C	(1)	10:30-11:35	TTh	MSG 130	Robinson
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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.

### Cardio Conditioning (HF)

31472	P E	142 C	(1)	11:45am-12:50pm	MW	MSG 200	Robinson
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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)

27114 P E 150 C (1) 9:15-10:20am MW MSG 200 Montee

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.

## Aerobic Fitness/Walking (HF)

☐ 31511 P E 151 RP (1) ARR ARR Morton Johnson

A fitness program emphasizing aerobic activities only. Designed to develop cardiovascular endurance, flexibility and body composition. Lab fee \$3.10. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Pilates/Core (HF)

27234 P E 152 C (1) 9:15-10:20am Tth MSG 200 Montee

An exercise class designed to teach breathing with movement, body mechanics, balance, coordination, spatial awareness, strength and flexibility. Lab fee \$3.10.

## Beginning Tae Kwon Do (HF)

27626 P E 158 N (2) 6-7:50pm 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.

## Lifetime Fitness (HF)

☎ 27248 P E 168 O (2) Online Johnson

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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Physical Fitness Concepts (HF)

☎ 27115 P E 229 O (3) Online McMullan

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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

# PHYSICS

## Physics: Non-Science Majors w/Lab (NS)

☎ 27118 PHYS& 110 O (5) Online Threapleton

A survey of physics with applications in everyday life for non-science majors. Basic concepts in Newtonian mechanics, thermodynamics, electricity, magnetism, optics, and modern physics. Requires knowledge of basic algebra. Includes a 2-hour lab. Lab fee \$16.26. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Engineering Physics II (NS)

27120 PHYS& 222 C (5) 8-8:50am MTWTh WSC 108 Threapleton  
1-2:50pm M WSC 106 Threapleton

Wave motion, thermodynamics, and electrostatics. Includes sound, heat transfer, law of thermodynamics, and electric fields. Prerequisite: PHYS& 221 and MATH& 152 and corequisite: MATH& 153. Lab fee \$18.68.

# POLITICAL SCIENCE

## Comparative Government (D)(SS)

27122 POLS& 204 C (5) 9:15-10:20am MTWTh TAC 122 Peterson

Examine political theory and application within a comparative framework: ideology, nature of participation, as well as a variety of governmental structures, and functions. Contemporary situations will provide the cases for example and analysis.

# PSYCHOLOGY

## General Psychology (SS)

27123 PSYC& 100 C (5) 1-3:05pm TTh WSC 107 MacNamara  
☎ 27124 PSYC& 100 O1 (5) Online MacNamara  
☎ 27607 PSYC& 100 O2 (5) Online MacNamara  
☎ 44351 PSYC& 100 O3 (5) Online Osawa-Bringman  
☎ 45604 PSYC& 100 O4 (5) Online Starroff

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. **Section O4 meets 1/20-3/20. Sections O1, O2, and O3 require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Lifespan Psychology (SS)

27254 PSYC& 200 C (5) 10:30-11:35am MTWTh WAH 105 MacNamara  
☎ 27708 PSYC& 200 O (5) Online MacNamara

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. **Section O requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Abnormal Psychology

☎ 27125 PSYC& 220 O (5) Online Starroff  
☎ 45605 PSYC& 220 O2 (5) Online Starroff

An introduction to the study of abnormal behavior, including behavioral problems, personality disorders and maladjustment, and the study of the causes, diagnoses, and treatment. Prerequisite: PSYC& 100 or instructor permission. **Section O2 meets 1/20-3/20. This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## READING

### **Improvement of Reading**

🔗 27302 READ 099 H (1-5) 11:45am-12:50pm MTWTh TSB 1053 Enbody  
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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. Section B5 meets virtually.**

## SCIENCE

### **College & Career Success: STEM**

33816 SCIE 100 H (3) CANCELED Sprafka

Prepares students for college and career success through activities enhancing self-awareness and developing self-management skills and strategies. Students will learn to navigate college; reflect on diversity; identify career goals, and develop essential skills for academic success, information literacy, critical thinking, effective communication, time management, resource utilization, and financial planning. Lab fee \$15. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## SOCIOLOGY

### **Introduction to Sociology (D)(SS)**

🔗 27127 SOC& 101 H1 (5) 8-8:50am MTWTh WSC 111 Lytle  
🔗 27128 SOC& 101 H2 (5) 9:15-10:05am MTWTh WAH 105 Lytle  
🔗 27126 SOC& 101 O (5) Online Bryant

Introduces sociology, including the theories, methods, and topics central to the discipline. Focuses on developing the ability to analyze the relationship between the individual and society. Topics relate to the components of our social world (e.g., social structure, culture, institutions); group dynamics; individuals and identity; socialization; and inequality. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### **Sociology of Gender (D)(SS)**

35368 SOC 160 C (5) 11:45am-12:50pm MTWTh WSC 111 Bryant

Introduction to the sociology of gender. Examines sociological perspectives on gender as a social construction, component of identity, and system of inequality. Considers how gender intersects with other identities/inequalities, such as race and sexuality, and institutions, such as family, media, religion, and politics. Temporary Course - Winter 2025.

### **Social Problems (D)(SS)**

27129 SOC& 201 C (5) 10:30-11:35am MTWTh WSC 111 Bryant

Examines why and how certain social phenomena come to be viewed (or not) as problems. Reviews sociological research on some of the major issues occurring in our society today (e.g., those related to deviance, health, the environment, social inequality) and analyzes approaches to solving social problems.

### **Race & Ethnicity (D)(SS)**

🔗 27404 SOC 225 O (5) Online Tate-Libby

Introduces the study of race and ethnicity from sociological and anthropological perspectives. Examines how race and ethnicity operate in relation to identities, interactions, institutions, cultures, and systems, with a focus on inequality and power. Focuses on race and ethnicity in the contemporary U.S., with historical and cross-cultural comparisons. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## SPANISH

### **Spanish I (H)**

🔗 27130 SPAN& 121 H (5) 1-3pm TTh WSC 210 Gorecki

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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### **Spanish II (H)**

🔗 27132 SPAN& 122 H1 (5) 8-9:05am MTWTh WSC 210 Gorecki  
🔗 27133 SPAN& 122 H2 (5) 10:30-11:35am MTWTh WSC 210 Gorecki  
🔗 27131 SPAN& 122 O (5) Online Gorecki

Second 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: SPAN& 121 or instructor permission. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

### **Spanish V (H)**

🔗 33849 SPAN& 222 H (5) CANCELED Gorecki

Fifth 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 IV or equivalent amount of high school Spanish. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

# SUBSTANCE USE DISORDER PROFESSIONAL

## Introduction to SUDP

☎ 32218 SUDP 100 O (5) Online Rabe

Introduction to the field of substance use disorder counseling. Topics include theories surrounding the etiology of addiction, basic psychopharmacology, Federal and State regulations, introduction to prevention, intervention, assessment, treatment planning and case management. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Counseling Techniques

☎ 27227 SUDP 110 VH (4) 9:15-10:05am TTh Virtual Starroff  
☎ 43707 SUDP 110 VH2 (4) 1:00-2:50pm Th Virtual Starroff

An overview of techniques and theoretical approaches to substance use disorder counseling. Practical training designed to develop interviewing and substance use disorder counseling skills when working with diverse populations within all levels of care. Prerequisite: SUDP 100 (2.0 of higher) or instructor permission. **Section VH2 is a BASBH course. This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. This class meets virtually.**

## Substance Use & Family

☎ 27228 SUDP 120 O (4) Online Rabe

An examination of substance use, misuse, and dependency within the family system. Course emphasis on the integration of Family System and Substance Use Disorder approaches when working with chemically dependent families. Prerequisite: SUDP 100 (2.0 of higher) or instructor permission. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Assess & Treatment Plans

☎ 27229 SUDP 230 H (5) 1-2:50pm TTh WAH 109 Rabe

Course introduces students to the current standard used in assessing, diagnosing, and treating those with substance use and co-occurring disorders. Prerequisite: SUDP 100 (2.0 of higher) or instructor permission. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Group Counseling

☎ 27230 SUDP 240 H (5) 1-2:50pm MW TAC 331 Rabe

An introduction to group dynamics and group process, as applied to Substance Use Disorder counseling. Topics include group formation and planning, ethical considerations, diversity, group developmental stages, documentation, and group counseling approaches/techniques. Prerequisite: SUDP 100 (2.0 or higher), or instructor permission. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

# WELDING

## GTAW I

27565 WELD 159 C (6) 9:15am-3pm MTWTh TEC 103 Hegsted/Peters

Theory and practice of oxyacetylene welding, brazing, cutting and gas tungsten arc welding (GTAW). Safety, handling and use of compressed gases, materials, types of weld joints, and procedures will be studied. Prerequisites: WELD 164, WELD 165 and WELD 267; co-requisites: WELD 195 and WELD 259. Lab fee \$143.09. **Class meets 1/6 – 2/10.**

## SMAW I

27400 WELD 161 C (6) 9:15am-3pm MTWTh TEC 103 Hegsted/Peters

Introduction to shielded metal arc welding (SMAW). The lab consists of safety, machine setup and operation, joint design, and electrode selection. Co-requisite: WELD 165. Lab fee \$173.44. **Class meets 1/2 - 2/10.**

## FCAW/GMAW I

27394 WELD 164A (6) 9:15am-3pm MTWTh TEC 103 Hegsted/Peters

Gas metal-arc welding (GMAW) and flux-cored arc welding (FCAW) safety, setup, operation, and troubleshooting. Lab practices include butt, lap, tee, and corner joints in all positions. Prerequisite: WELD 161, WELD 165 and WELD 265. Co-requisites: WELD 175 and WELD 267. Lab fee \$173.44.

## SMAW Theory

☎ 27401 WELD 165 O (2) Online Hegsted/Peters

Theory of shielded metal arc welding (SMAW). This class will cover safety, machine setup and operation, joint design, and electrode selection of the shield metal arc welding process as well as standards of certification and the certification process. Co-requisites: WELD 161 and WELD 265. Lab fee \$20. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## FCAW/GMAW Theory

☎ 27395 WELD 175 O (2) Online Hegsted/Peters

Theory of GMAW and FCAW (gas and self-shielded). This class will cover safety, machine setup and operation, joint design, and electrode selection of the GMAW and FCAW processes as well as standards of certification and the certification process. Prerequisites: WELD 161, WELD 165 and WELD 265; co-requisites: WELD 164 and WELD 267. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## Gas Metal Arc Welding

27035	WELD	182N	(5)	5-5:50pm	TTh	TEC 105	Daarud
	Lab			6-8:50pm	TTh	TEC 103	Daarud

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

## ***GTAW Theory***

27566 WELD 195 O (2) Online

Hegsted/Peters

Theory of the manual processes of gas tungsten arc welding (GTAW) and oxyacetylene brazing. This class will cover safety, machine setup and operation, joint design, and electrode selection as well as standards of certification and the certification process. Prerequisite: WELD 164 and WELD 267; co-requisite: WELD 259. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## ***GTAW II***

27567 WELD 259 C (6) 9:15am-3pm MTWTh TEC 103 Hegsted/Peters

Advanced gas tungsten arc welding (GTAW), all position plate and pipe welding. This course prepares welders for WABO certification. Prerequisite: WELD 164 and WELD 267; corequisite: WELD 195. Lab fee: \$173.44. **Class meets 2/11 – 3/20.**

## ***SMAW II***

27399 WELD 265 C (6) 9:15am-3pm MTWTh TEC 103 Hegsted/Peters

The practice of advanced shielded metal arc welding (SMAW) to prepare for the Washington Association of Building Officials (WABO) certification tests on plate and pipe. Corequisites: WELD 161 and WELD 165. Lab fee: \$173.44. **Class meets 2/11 – 3/20.**

## ***FCAW/GMAW II***

27393 WELD 267 C (6) 9:15am-3pm MTWTh TEC 103 Hegsted/Peters

Advanced gas metal arc welding (GMAW) and flux cored arc welding (FCAW). All position plate and pipe welding. This course prepares welders for Washington Association of Building Officials (WABO) certification. Prerequisite: WELD 161 and WELD 265; Co-requisites: WELD 164 and WELD 165. Lab fee \$143.09. **Class meets 2/11 – 3/20.**

# BACHELOR OF APPLIED SCIENCE

## **Federal Tax Compliance and Planning**

31663 ACCT 403 O (5) Online Brodersen

The application of concepts and techniques in: various advanced income tax scenarios; retirement planning; tax research; tax audit, appeals, and compliance process; and data analysis. Prerequisite: ACCT& 202 or instructor permission. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## **Ethics in Behavioral Healthcare**

27617 BASBH 330 N1 (5) 5-6:50pm T WSC 108 Sirs

A broad understanding of ethics, legal standards, and professional responsibilities in behavioral health with an emphasis on counseling ethics. Explore behavioral health professionals' responsibilities to themselves, clients, colleagues, and society. Gain understanding of ethical standards, ethical decision-making, professional boundaries, confidentiality and federal and state laws. Prerequisite: admittance in BASBH program or administrative and instructor permission.

## **Professional Development**

27618 BASBH 340 N1 (5) 7-8:50pm Th WSC 108 Sirs

Prepares students for field entry through resume and goal preparation, scheduling interviews, self-assessment, supervision discussions, and site selections. Students must complete this course prior to enrolling in BASBH 470 Practicum or BASBH 471 Capstone courses. Prerequisite: admission in BASBH program.

## **Neurobiology (NS)**

27619 BASBH 350 N1 (5) 7-8:50pm T WSC 110 Harmon

Building on the study of human biology, this course introduces the structures and processes of the human brain. Designed for non-science majors, the course emphasizes the relationships among biology, emotions, thoughts, and behavior. Temporary Course Offering.

## **Trauma-Informed Care**

31675 BASBH 430 N1 (5) 5-6:50pm Th WSC 108 Sirs

Overview of the various types of trauma and the impact they have on individuals, couples, families, and communities. Students who complete the course will gain the knowledge, skills, and dispositions required by behavioral health professionals to utilize trauma-informed intervention and treatment principles and successfully assist in a time of crisis. Prerequisite: admittance in BASBH program or administrative and instructor permission.

## **Family Counseling**

27620 BASBH 440 N1 (5) 6-7:50pm T WSC 111 McGlynn

The purpose of the course is to introduce students to the theory, assessment techniques and intervention strategies used in the practice of family systems counseling. The focus of the course will be on building a theoretical base for understanding and applying family systems counseling strategies and techniques. Didactic and experiential learning will provide students with the opportunity to apply and integrate knowledge and skills gained through reading, lectures and videos. Prerequisite: admission in BASBH program.

## **Hydraulics II**

32442 DET 435 C (5) 9:15-10:20am WTh FTC 108 Conrad  
Lab 10:30am-2:45pm WTh TEC 133 Conrad

The study and application of complex hydraulic systems with an emphasis on troubleshooting and system design. Prerequisite: enrollment in BASDT or by permission. Lab fee \$75. **Class meets 2/11 – 3/20.**

## **Combustion Engine Fuels**

32716 DET 445 C (5) 9:15-10:20am WTh FTC 108 Lipp  
Lab 10:30am-2:45pm WTh TEC 133 Lipp

Identify and comprehend a variety of alternative power sources used in internal combustion engines. Power sources to be included are: diesel fuel, bio-diesel, gasoline, ethanol, propane, and CNG fueled engines. Prerequisite: enrollment in BASDT or by permission. Lab fee \$75. **Class meets 1/6 – 2/10.**

## **Managerial Economics (SS)**

27517 ECON 305 O (5) Online Rodriguez

This class applies the principles of microeconomics to management decisions. Topics include consumer theory, supply & demand, efficiency, elasticity along with how firms contend with costs and competition. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## **Teaching Science**

26986 EDUC 315 N (5) 5-6:50pm Th WAH 105 Thompson

While reviewing fundamental content in life, earth, physical and space sciences, participants will develop skills for integrating Next Generation Science Standards into highly engaging, relevant, and age-appropriate STEM or STEAM lessons. Prerequisite: Admission in BAS-TE program or administrator approval.

## **Issues of Abuse**

26987 EDUC 351 N (3) 6:30-7:50pm Th WAH 109 Jager

Develop skills for working with children from abusive and/or neglectful home environments, including potential behavioral consequences of abuse or neglect and corresponding intervention strategies. Prerequisite: Admittance into BAS-TE program or administrator approval

## **Emergent Reading**

26988 EDUC 355 N (5) 5-6:50pm T WAH 105 Lord

Explores reading, comprehension, and literacy as it pertains to beginning readers. Prerequisite: Admittance into BAS-TE program or administrator approval

## **Assessment and Evaluation**

26989 EDUC 360 N (5) 7-8:50pm T WAH 103 Moody

Participants will explore principles of sound formative and summative assessment using grade-level expectations, best grading practices, technology platforms, and individual education plans as tools. Participants will design assessments for the individual needs of students in classrooms. Prerequisite: Admittance into BAS-TE program or administrator approval.

## **SPED Assessment**

27239 EDUC 385 N (3) 5-6:20pm Th WAH 146 Fritch

This course provides potential special education teachers with knowledge and experience in assessment issues as they relate to students with disabilities. Prerequisite: Admittance into BAS-TE program or administrator approval

## ***Student Teaching Elem 1***

☞ 26990 EDUC 497 O (10) Online Moody

Supervised instructional experience to develop, implement, practice, and evaluate theory and methods learned throughout program coursework. Students must participate in this field experience and pass the program final. Prerequisite: completion of 45 credits of upper division EDUC courses. Lab fee \$74.19.

**This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## ***Adv Web Applications***

☞ 27578 IT 310 H (5) 10:30-11:20am MTWTh WAH 216 Harlan

☞ 27580 IT 310 VH (5) 10:30-11:20am MTWTh Virtual Harlan

An advanced course in web development. This course covers the full web development stack including client side(HTML, CSS, JavaScript), server side (ASP.NET), database layer (MSSQL), using frameworks (MVC). Lab fee \$50. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. Section VH meets virtually.**

## ***Software Engineering I***

☞ 27336 IT 330 H (5) 1-1:50pm MTWTh WAH 216 Harlan

☞ 27570 IT 330 VH (5) 1-1:50pm MTWTh Virtual Harlan

An introduction course in software engineering. Software modeling using Unified Markup Language (UML) diagramming, systems (business) analysis, requirements gathering, analysis, and design are the focus of this course. Prerequisite: BAS-IT:AD admission or approval. Lab fee \$50. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. Section VH meets virtually.**

## ***Advanced Database Design***

☞ 27338 IT 350 H (5) 11:45am-12:35pm MTWTh WAH 211 Montalbano

☞ 27449 IT 350 VH (5) 11:45am-12:35pm MTWTh Virtual Montalbano

Class will focus on data models, entities, normalization /denormalization, SQL, stored procedures, and general design. MS SQL Server is used for the class. Includes survey of other modern database systems such as NOSQL and Postgres. Lab fee \$50. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. Section VH meets virtually.**

## ***Advanced Data Access Techniques***

☞ 27582 IT 410 H (5) 8-8:50am MTWTh WAH 211Montalbano

☞ 27584 IT 410 VH (5) 8-8:50am MTWTh Virtual Montalbano

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. Lab fee \$50. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. Section VH meets virtually.**

## ***Current Topics in Computing***

☞ 27586 IT 435 H (5) 11:45am-12:35pm MTWTh WAH 216 Harlan

☞ 27588 IT 435 VH (5) 11:45am-12:35pm MTWTh Virtual Harlan

Selected topics in emerging areas of computing. Potential topics include software development processes, web development, artificial intelligence cloud-based processes, human-computer interaction, and computer security. Prerequisite: BAS-IT: AD admission or approval. Lab fee \$50. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. Section VH meets virtually.**

## ***Managerial Statistics (M)***

☞ 27512 MATH 350 O (5) Online Kiekel

Statistical analysis techniques will be examined and applied in case studies involving real-world management issues. Students will examine difficulties, subjective decisions, and pitfalls when analyzing data and making inferences from numbers. Prerequisite: lower division Quantitative Skills course. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## ***Legal Issues***

☞ 27269 MGMT 325 O (5) Online Newman

☞ 32398 MGMT 325 VH (5) 8-9:05am TTh Virtual Newman

A core course concerning the impact of laws, regulations and legal responsibilities on management behavior with a focus on the application of this learning to real-life situations for organizations both large and small. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials. Section VH meets virtually.**

## ***Applied Financial Management***

☞ 27514 MGMT 340 O (5) Online Burger

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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## ***Business Principles, Planning & Strategies***

☞ 32420 MGMT 360 H (5) 10:30-11:35am MTWTh WAH 113 Burger

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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## ***Marketing for Managers***

📞 32428 MGMT 380 O (5) Online

Crawford

A core course designed to develop the marketing knowledge and skills necessary for the successful manager of a profit or non-profit organization. Students will develop and present a comprehensive marketing plan. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**

## ***Quality Management Principles***

📞 27270 MGMT 440 H (5) 11:45am-12:50pm MTWTh WAH 113 Burger

📞 32437 MGMT 440 O (5) Online Burger

Understand terminology, methods and tools which are essential for the quality practitioner, planner, and decision-maker. Acquire familiarity and a working knowledge of the principles and practice of quality management, quality control and process improvement. Analyze operational information and various quantitative and qualitative approaches that reduce production, inventory and transportation costs, and improve service levels and profitability. Develop skills of analyzing and improving quality by utilizing techniques and methods of total quality management, continuous improvement, six-sigma quality, and statistical process control. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) and internet access to complete online homework and access online materials.**