

Advising Schedule

Last updated April 29, 2024

FALL 2024

First day of classes is September 23, 2024

SCHEDULE KEY

☞ Class has online component(s) Enrollment in an online, hybrid, or virtual/hybrid class will result in a once per quarter, once per student \$4 fee. Additionally, a \$2 per credit fee will be applied for online courses.

Shaded Class is offered after 4:30pm

☐ Class is offered at Centralia College East in Morton

CLASS SECTION CODES

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

Principles of Accounting I (AE)

☞ 7878 ACCT& 201 H (5) 11:45am-12:50pm MTW WAH 105 Ushman

☞ 7879 ACCT& 201 O (5) Online Ushman

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. **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.**

QuickBooks

☐☞ 7899 ACCT 220 RO (4) Online Germann

This course introduces students to QuickBooks to record accounting transactions for small business operations. The focus is on vendors, customers, inventory, payroll, and banking. Topics include establishing files; purchases, bills, and checks; sales, invoices, payments, discounts, and deposits; end-of-period accounting procedures; inventory; payroll; transferring funds; and reconciling. Students must have basic accounting knowledge. Prerequisites: ACCT& 201 or ACCT 110 and ACCT 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.**

Individual Income Taxes

☞ 7880 ACCT 260 H (5) 9:15-10:20am MTW WAH 115 Ushman

☞ 8044 ACCT 260 O (5) Online Ushman

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. **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.**

Payroll Accounting

☞ 7881 ACCT 270 O (3) 8-8:50am T WAH 113 Ushman

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

American Sign Language I (H)

☞ 8201 ASL& 121 H (5) 1-2:20pm 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) with internet access to complete online homework and review online materials.**

ANTHROPOLOGY

Survey of Anthropology (D)(SS)

☞ 27448 ANTH& 100 H (5) 9:15-10:20am MTWTh ARR 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)

☞ 27446 ANTH& 205 O (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)

27444 ANTH& 206 C (5) 10:30-11:35am MTWTh WSC 208 Avalos
☞ 27445 ANTH& 206 O (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. **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.**

Bioanthropology w/Lab (NS)

☞ 27555 ANTH& 215 RH (5) 1-2:50pm T MOR 101 Avalos
Lab ARR ARR MOR 101 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. Lab fee \$12.07.

ART

Art Appreciation (D)(H)

☞ 7776 ART& 100 H (5) 10:30-11:20am MTWTh WAH 109/116 Frey
☞ 27552 ART& 100 RH (5) 10:30-11:35am TTh MOR 101 Cantin
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)

☞ 7774 ART 102 H (5) 1-2:50pm TTh 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.**

2D Design (H)

☞ 7767 ART 110 H (5) 1-2:50pm MW WAH 116 Solomon
Learn and utilize the principles of two-dimensional design and its application on a two-dimensional plane through lecture and studio practice. Lab fee \$40. **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)

☞ 7770 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)

☞ 7772 ART 174 H (5) 11:45am-12:35pm MTW WAH 209 Solomon
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. **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 History: Ancient (D)(H)

☞ 7769 ART 200 H (5) 9:15-10:20am MTWTh WAH 109 Frey
A survey of the development of art in Europe, the Near East and Asia from prehistoric times through the 14th century CE. The course will explore developments in architecture, painting, sculpture and other art forms. **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)

☞ 7777 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. **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.**

BIOLOGY

General Biology w/Lab (NS)

7779 BIOL& 160 H (5) 9:15-10:20am TTh WSC 208 Jewell
Lab 1-2:50pm Th WSC 303 Jewell
☞ 8332 BIOL& 160 O (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. **Section O requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

Human Biology (NS)

☞ 7778 BIOL& 170 O (5) Online Jung
Presents the structure, organization, and life functions of the human; cells, tissues, and organ systems; development from embryo to adult; aging and disease; human evolution and ecology. **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 w/Lab (NS)

☞ 26446 BIOL& 175 H (5) 11:45am-12:50pm MW WSC 208 Jewell
Lab 3-4:50pm 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) with internet access to complete online homework and review online materials.**

Majors Ecology/Evolution (NS)

7799	BIOL&	221 C	(5)	10:30-11:20am	MTWTh	WSC 111	Bozzolo
	Lab 1			1-2:50pm	T	WSC 307	Bozzolo
	Lab 2			1-2:50pm	W	WSC 307	Bozzolo

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

7781	BIOL&	241 H	(5)	9:15-10:05am	MTWTh	WSC 121	Jung
	Lab 1			1-2:50pm	T	WSC 314	Jung
	Lab 2			1-2:50pm	W	WSC 314	Jung

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.**

BUSINESS ADMINISTRATION

College & Career Success: BUS

77514 BUS 100 H (3) 8-9:05am MW WAH 113 Crawford
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) with internet access to complete online homework and review online materials.**

Introduction to Business (AE)

7891 BUS& 101 H (5) 9:15am-10:20am MTW WAH 105 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.**

Leadership Development

27554 BUS 120 RH (5) 8-9:05am TTh MOR 101 Burger
This course is designed to be an introduction to leadership and development of leadership skills. This class will cover a variety of leadership areas such as principles and theories, communication, diversity and inclusive practices, decision making, problem-solving, time-management, conflict resolution, and group/teamwork. Lab fee \$15. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

Business Law (AE)

7892 BUS& 201 VP (5) 8-9:05am MW Virtual Newman
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 class meets virtually. 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 Resource Management

7895 BUS 203 O (5) Online King
Introduction to fundamental concepts of human relations management. This course will focus on recruiting, employee selection and training, employee performance and compensation, and employee laws and labor. Prerequisite: BUS& 101, college level reading and writing. **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 Finance

7893 BUS 215 O (5) Online Crawford
A broad survey of the field of Finance. Topics include: interest rate theory, financial statement analysis, time value of money, and building stock and bond portfolios. Managerial finance is also studied. Prerequisite: ACCT& 201 or ACCT 200 or 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.**

Marketing

7894 BUS 220 H (5) 10:30-11:35am MTW WAH 105 McClain
A broad overview of the market structure and marketing philosophies currently being used in business. Includes a description, analysis, and evaluation of the marketing system. Each student will conduct a marketing research project. **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 OFFICE TECHNOLOGY

Beginning Keyboarding

7882 BTEC 101 H (3) 9:15-10:05am TWTh WAH 205 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. **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.**

Intermediate Keyboarding

7884 BTEC 102 H (3) 9:15-10:05am TWTh WAH 205 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 prerequisite: I T 117 and BTEC 101 or 30+ net wpm. Lab fee \$59. **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.**

Electronic Medical Records

27491 BTEC 107 O (4) Online O'Hern
Provides an overview of medical records as legal documents. Topics include the make-up of an electronic medical record, charting methods, patient scheduling, privacy, and administrative management. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

Applied Business Math

7886 BTEC 120 H (5) 10:30-11:20am MTWTh ARR Staff
Fundamental arithmetic skills applied to a wide range of business activities. Topics include; banking, discounts, payroll, simple interest, markups and markdowns and promissory notes. **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.**

Cooperative Work Experience

📞 27492 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's 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) with internet access to complete online homework and review online materials.**

Work Experience Seminar

📞 7889 BTEC 191 O (1) Online O'Hern
Discussion topics include professional image, business etiquette, sexual harassment, resolving conflict, and diversity in the workplace. Must be taken prior to or concurrently with Cooperative Work Experience. **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

📞 27493 BTEC 203 H (3) 9:15-10:05am TWTh WAH 207 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. Pre-requisite: BTEC 102 or 45+ nwp. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

Word 1

📞 8176 BTEC 210 H (5) 11:45am-12:35pm MTWTh ARR McClain
☐📞 8012 BTEC 210 RH (5) CANCELED Cantin
📞 8178 BTEC 210 O (5) Online McClain
☐📞 7900 BTEC 210 RO (5) CANCELED Cantin
Course covers Microsoft Word in depth: document preparation, formatting, graphics, WordArt, SmartArt, tabs, columns, sorting, mail merge, styles, Quick Parts, headers/footers, references. Students will format documents to business standards. Prerequisite: IT 117, typing speed of 35 wpm, instructor permission. **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

📞 8180 BTEC 214 H (5) 10:30-11:35am TWTh WAH 205 O'Hern
☐📞 8014 BTEC 214 RH (5) CANCELED Cantin
📞 8182 BTEC 214 O (5) Online O'Hern
☐📞 7902 BTEC 214 RO (5) CANCELED Cantin
This course is a hands-on approach for beginning through intermediate level applications of Excel spreadsheet using a variety of business applications. Students will learn formulas, charts, formatting, and management of Excel files. Prerequisite: IT 117, typing speed of 35 wpm, instructor permission. **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.**

Desktop Publishing

☐📞 7904 BTEC 218 RO (4) CANCELED Cantin
This course covers terminology, concepts, and tasks related to desktop publishing. Students will plan, create, and design publications for business and personal use. Prerequisite: IT 117, BTEC 210, typing speed of 35 wpm or instructor permission. **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 2

☐📞 8067 BTEC 219 RO (5) CANCELED Cantin
The course covers advanced Microsoft Word features that allow users to develop more detailed, professional documents such as reports with navigable table of contents and indices, integrated data and charts, and fill-in forms. Students will learn to customize various tools to be more efficient in the workplace. Prerequisite: BTEC 210 Word I. **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.**

PowerPoint

☐📞 27560 BTEC 222 RO (1) CANCELED Cantin
Class covers PowerPoint in depth: presentations, formatting, graphics, charts, design, and appropriate visual elements for professional presentations. Prerequisite: IT 117, typing speed of 35 wpm or instructor permission. **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.**

Records Management

📞 27513 BTEC 233 H (5) 11:45am-12:50pm ARR WAH 205 O'Hern
📞 8227 BTEC 233 O (5) Online O'Hern
Principles and procedures of effective records management for physical and electronic systems. Practice in indexing, coding, and filing for alphabetic, numeric, subject, and geographic systems. Introduction to laws, regulations, security risks and e-discovery. **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)

26441 CHEM& 110 C (5) 10:30-11:20am MTWTh ARR Staff
Lab 1-2:50pm T 1-2:50pm WSC 302 Staff
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)

7804 CHEM& 121 C1 (5) 10:30-11:20am MTWTh WSC 109 Sprafka Coleman
Lab 1-2:50pm T WSC 308 Sprafka Coleman
8007 CHEM& 121 C2 (5) 3-3:50pm T WSC 109 Sprafka Coleman
Lab 4-5:50pm T WSC 308 Sprafka Coleman

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.**

General Chemistry Preparation (NS)

📞 7784 CHEM& 139 C (5) 9:15-10:20am MTWTh WSC 109 Sprafka Coleman
Preparatory chemistry for science/engineering majors intending to take the CHEM& 161 sequence. Emphasizes quantitative reasoning, focusing on how mathematics is used in chemistry. Introduces nomenclature, dimensional analysis, stoichiometry, atomic structure, gas laws and solutions. Prerequisite: MATH 098 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.**

Problem Solving in Chemistry

7783 CHEM 159 C (1) 10:05-10:20am MTWTh ARR Staff

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)

7801 CHEM& 161 C (6) 9:15-10:05am MTWTh ARR Staff
Lab 1 1-4:50pm W WSC 302 Staff
Lab 2 1-4:50pm Th WSC 302 Staff

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. **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.**

Research in Chemistry (AE)

8239 CHEM 270 C (1-12)ARR ARR ARR Sprafka Coleman

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

CHINESE

Chinese I (D)(H)

7785 CHIN& 121 V (5) 11:45am-12:35pm MTWTh Virtual Wynder

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

Chinese II (H)

8238 CHIN& 122 V (5) 1-1:50pm MTWTh Virtual Wynder

Continued study of the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture. Prerequisite: CHIN& 121 or instructor permission. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

COLLEGE & CAREER

College & Career Success

8192	COLL	100 C1 (3)	8-9:05am	MW	TAC 331	Staff
8194	COLL	100 C2 (3)	8-9:05am	TTh	TAC 331	Staff
8334	COLL	100 C3 (3)	9:15-10:20am	MW	TAC 331	Staff
8256	COLL	100 C4 (3)	9:15-10:20am	TTh	TAC 331	Staff
8197	COLL	100 C5 (3)	10:30-11:35am	MW	TAC 331	Seabert
8250	COLL	100 C6 (3)	10:30-11:35am	TTh		Seabert
8257	COLL	100 C7 (3)	CANCELED			Staff
8196	COLL	100 C8 (3)	11:45am-12:50pm	TTh		Rauscher
8203	COLL	100 O1 (3)	Online			Pennington
8193	COLL	100 O2 (3)	Online			Pennington
8254	COLL	100 O3 (3)	Online			Queen
8283	COLL	100 O4 (3)	CANCELED			Staff
8195	COLL	100 O5 (3)	CANCELED			Staff
27548	COLL	100 RH (3)	9:15-10:20am	W	MOR 101	Graham

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, and 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

7939	CDL	100 C1 (12)	7:30am-4:30pm	Daily	FTC 109	Halstead
8102	CDL	100 C2 (12)	7:30am-4:30pm	Daily	FTC 109	Halstead

This course is designed to prepare students for Washington State tests necessary to obtain a Commercial Driver License (A). 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 5 years; and no more than three moving violations in the past 3 years. Instructor Permission. Lab fee \$3,350. **Section C1 meets 8/27 – 10/25; section C2 meets 10/28 – 12/3.**

COMMUNICATION STUDIES

Introduction to Mass Media (H)

7814 CMST& 102 O (5) Online Staff

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

Public Speaking (H)

7816	CMST& 220 H2 (5)	8-8:50am	MTWTh ARR	McQuarrie
7815	CMST& 220 H1 (5)	9:15-10:05am	MTWTh ARR	McQuarrie
8148	CMST& 220 H3 (5)	11:45am-12:35pm	MTWTh WAH 115	Kreilkamp
7817	CMST& 220 NH (5)	6-7:50pm	Th ARR	Smallwood
7818	CMST& 220 O1 (5)	Online		McQuarrie
27550	CMST& 220 RH (5)	8-9:05am	MW MOR 101	Majors

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.**

Advanced Public Speaking (H)

☎ 7811 CMST 240 H (5) 10:30-11:20am MTWTh WAH 103 McQuarrie
Build upon the skills learned in an introductory public speaking course. Become prepared to present in professional settings and lead effective business meetings as an audience-centered communicator. Prerequisite: CMST& 220 or instructor permission. **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.**

Intercultural Communications (D)(H)

☎ 7812 CMST 250 H (5) 8-8:50am MTWTh WAH 109 Seabert
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

☎ 8153 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. **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 JUSTICE

Introduction to Criminal Justice

☎ 7807 CJ& 101 H (5) 10:30-11:20am TTh TAC 331 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.**

Constitutional Case Law

☎ 7809 CJ 103 H (5) 10:30-11:20am MW ARR McFadden
Examines the Constitution and Bill of Rights in relation to law enforcement, the judiciary, and corrections. Defines guilt-laden facts, reasonable suspicion, and probable cause **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 Law Enforcement (AE)

☎ 26567 CJ 104 H (5) 9:15-10:05am MW WSC 107 McFadden
A broad survey of the theories, procedures and methods of police operations studied. Also examines police discretionary powers, career opportunities, and trends in law enforcement. Pre/corequisite: CJ& 101 or instructor permission. **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 Corrections (AE)

☎ 7808 CJ& 105 H (5) 11:45-12:35pm TTh TAC 331 Miller
A broad survey of the history and evolution of adult and juvenile correctional models in America. All forms of incarceration and restrictive custody are studied. Pre/corequisite: CJ& 101 or instructor permission. **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 Justice Ethics

☎ 8048 CJ 111 O (5) Online Miller
Presents an in-depth analysis of the practical, theoretical, ethical and moral considerations found in the criminal justice system. 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.**

Criminology (AE)

☎ 7810 CJ& 112 O (5) Online Miller
Examines social components of crime, deviance, criminality, and societal reactions to crime. Includes discussion of causes and impacts of crime on society, classifications and theoretical interpretations of crime and the criminal justice system. **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

8064	DET	102 C1 (1)	8am-2:50pm	F	ARR	Lipp
8164	DET	102 C2 (1)	8am-2:50pm	F	ARR	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.

Mobile Electrical Systems II

☎ 7943 DET 200 H (7) 9:15am-2:15pm MTWTh TEC 135 Staff
Lab ARR ARR TEC 135 Staff

Students will examine electrical components and electronic systems. This course will cover electronic control modules and advanced direct current troubleshooting. Prerequisite: DET 110 or instructor permission. Lab fee \$85.69. **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 9/23 – 10/25.**

Power Transmission II

☎ 25009 DET 210 H (7) ARR ARR TEC 135 Conrad
Lab ARR ARR ARR Conrad

The study of power shift and automatic transmissions as used in diesel powered equipment. Prerequisite: DET 125. Lab fee \$85.69. **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 9/23 – 10/24.**

Internal Combustion Engines II

☎ 7975 DET 220 H (7) 9:15am-2:15pm MTWTh TEC 135 Conrad
Lab ARR ARR ARR Conrad

This course will cover diesel engine analysis and testing for optimal performance and longevity. Students will perform live engine testing, troubleshooting, and repairs. Prerequisite: DET 110 or instructor permission. Lab fee \$85.69. **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 10/28 – 12/12.**

Heavy-Duty Chassis Systems

☎ 25015 DET 225 H (7) ARR MTWTh TEC 133 Conrad
Lab ARR ARR ARR 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 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 9/23 – 10/24.**

Practical Shop Application

☞ 25011 DET 230 H (7) 9:15am-2:15pm MTWTh TEC 135 Staff
Lab ARR ARR ARR Staff

The discussion and implementation of proper shop practices and repair procedures. Lab fee \$104.01. **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. Class meets 10/28 – 12/12.**

Mobile HVAC Systems

☞ 25013 DET 235 H (7) 9:15am-2:15pm ARR TEC 135 Staff
Lab 9:15am-2:15pm MTWTh TEC 135 Staff

The theory and application of basic principles used in Heating Ventilation and Air Conditioning (HVAC) systems of diesel powered equipment. Lab fee \$87.69. **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 9/23 – 10/24.**

DRAMA

Introduction to Theater (H)

☞ 7819 DRMA& 101 H (5) 10:30-11:20am MTWTh ARR 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. **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.**

Beginning Acting (H)

8147 DRMA 107 C (5) 1-2:50pm MW ARR 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)

7906 DRMA 115 C (5) ARR ARR ARR Kreilkamp

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

ECONOMICS

Microeconomics (SS)

☞ 7821 ECON& 201 H (5) 11:45am-12:35pm MTWTh ARR 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)

☞ 7820 ECON& 202 H (5) 1-1:50pm MTWTh ARR 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

Guiding Behavior

☞ 7758 EDUC& 130 H (3) 4-5:30pm T WAH 146 Kirkpatrick

☞ 8184 EDUC& 130 O (3) Online Staff

Examine the principles and theories promoting social competence in young children and creating safe learning environments. Develop skills promoting effective interactions while providing positive individual guidance and enhancing group experiences. **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 O meets 9/19 – 11/27.**

School Age Care

☞ 24854 EDUC& 136 O (3) Online Staff

Develop skills to provide developmentally appropriate and culturally relevant activities/care for children ages 5-12 in a variety of settings. **Class meets 9/21 – 12/6. 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 9/19 – 11/27.**

Child, Family, Community

☞ 7759 EDUC& 150 H (3) 6-7:30pm M WAH 146 Kirkpatrick

Integrate the family and community contexts in which a child develops. Explore cultures and demographics of families in society, community resources, strategies for involving families in the education of their child, and tools for effective communication. **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 Education with Field Experience

☞ 8078 EDUC& 205 H (5) 1-3:10pm MW WAH 146 Fritch

An overview of education in America including history, purpose, philosophies, characteristics, social aspects and current issues. Exploration of teaching as a profession in the K-12 system. Includes 30 hours in K-12 classroom. Lab fee \$18.19. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

EDUCATION-EARLY CHILDHOOD

Introduction Early Child Education (SS)

☞ 7755 ECED& 105 H (5) 4-5:40pm M WAH 146 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

☞ 8001 ECED& 120 O (2) Online 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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

Infant/Toddler Care

☞ 7757 ECED& 132 O (3) Online Fritch

Examine the unique developmental needs of infants and toddlers. Study the role of the caregiver, relationships with families, developmentally appropriate practices, nurturing environments for infants and toddlers, and culturally relevant care. **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.**

Family Child Care

☞ 24847 ECED& 134 O (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 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 9/19 – 11/27.**

Home Visiting & Family Engagement

☞ 24851 ECED& 138 O (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 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 9/19 – 11/27.**

Administration of Early Childhood Education

☞ 7754 ECED& 139 O (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 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 9/19 – 11/27.**

Language/Literacy Development

☞ 8191 ECED& 180 O (3) Online Gauthier
Teaching strategies for language acquisition and literacy skill development are examined at each developmental stage (birth-age 8) through the four interrelated areas of speaking, listening, writing, and reading. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

ELECTRONICS, ROBOTICS & AUTOMATION

Adv AC/DC Electronics

☞ 8065 ERA 117 H (4) 9:15-11:50am T TEC 159 Gill
Lab 12-1:50pm T TEC 159 Gill
Advanced theorems, analysis and troubleshooting of Direct and Alternating Current. Devices including inductors and variable resistors and capacitors will be studied. Circuit simplification theorems will be studied and demonstrated. Prerequisite: MEC 116 or ERA 116. Lab fee \$67. **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.**

Solid State Devices

8070 ERA 170 C (4) 9:15-10:50am M TEC 159 Steidel
Lab 11am-1:50pm M TEC 159 Steidel
Application of circuits using solid state electronic devices will be studied. Course content will include diodes, transistors, solid state relays, operational amplifiers and their respective applications in sensory and device control circuits. Prerequisite: ERA 115. Lab fee \$25.

Digital Electronics

☞ 7947 ERA 212 H (4) 9:15am-2:05pm W TEC 159 Gill
Lab 12-3:50pm W TEC 159 Gill
Digital logic systems and devices, boolean and hexadecimal numbering systems, combinational logic sequences and application of logic systems. Lab section emphasizes safety and electro-static discharge avoidance. Prerequisite: MATH 115, ERA 115. Lab fee \$29.61. **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

☞ 7887 ENGL 98 H1 (1-5) 9:15-10:20am MTW WSC 101 Burr
☞ 7967 ENGL 98 H2 (1-5) 10:30-11:35am MTW WSC 101 Burr
☞ 8032 ENGL 98 NH (1-5) 6-7:50pm 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

☞ 7888 ENGL 99 H1 (1-5) 9:15-10:20am MTW WSC 101 Burr
☞ 7968 ENGL 99 H2 (1-5) 10:30-11:35am MTW WSC 101 Burr
☞ 8050 ENGL 99 NH (1-5) 6-7:50pm 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)

☞ 7822 ENGL& 101 H1 (5) 8-8:50am MTWTh WSC 215 Staff
☞ 8138 ENGL& 101 H3 (5) 9:15-10:05am MTWTh ARR Mitchler
☞ 7824 ENGL& 101 H4 (5) 9:15-10:05am MW ARR Waliezer
☞ 8301 ENGL& 101 H8 (5) 9:15-10:05am MTWTh ARR Staff
☞ 7826 ENGL& 101 H5 (5) 10:30-11:20am MTWTh WSC 215 Erickson
☞ 7827 ENGL& 101 H6 (5) 10:30-11:20am MTWTh ARR Young
☞ 7825 ENGL& 101 H7 (5) 11:45am-12:35pm MTWTh ARR Young
☞ 7828 ENGL& 101 H2 (5) 1-1:50pm MTWTh WSC 215 Erickson
☞ 8137 ENGL& 101 NH (5) 6-7:50pm MTWTh ARR Sire
☞ 8298 ENGL& 101 O2 (5) Online Waliezer
An expository writing course which encourages 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)

☞	8076	ENGL& 102 H1	(5)	8-9:05am	MW	ARR	Staff
☞	7830	ENGL& 102 H2	(5)	10:30-11:20am	TWTh	TAC 340	Williams
☞	7832	ENGL& 102 H3	(5)	11:45am-12:35pm	TWTh	TAC 340	Williams
☞	7831	ENGL& 102 O	(5)	Online			Walizer

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 Literature (H)

☞	8047	ENGL& 111 H	(5)	9:15-10:05am	MTWTh	NRA	Young
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Introduces the major genres, techniques and themes of literature by examining the work of a variety of classic and contemporary authors. **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.**

Short Fiction (H)

☞	7833	ENGL 180 O	(5)	Online			Williams
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Survey of short story as representational vehicle in romanticism, realism, modernism, horror, satire, science fiction, magical realism. Primarily American in focus; includes cross-cultural comparisons. Creative writing options included. Prerequisite: college level reading and writing 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.**

Writing in the Workplace

☞	7877	WRT 105 H	(5)	8-8:50am	MTWTh	ARR	Staff
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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.**

ENGINEERING

Introduction to Engineering

	7907	ENGR 100 C	(2)	10:30-11:20am	TTh	WSC 108	Threapleton
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Introduction to the various fields and careers of engineering. Topics will include: educational planning and transfer issues; problem solving, engineering design, teamwork, and communication skills.

Mechanics of Materials (AE)

☞	8155	ENGR& 225 H	(5)	9:15-10:05am	MTWTh	WSC 108	Threapleton
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The last of a three-course sequence. Includes the study of stress, strain, and deflection in beams, columns, machine and structural members. Includes bending moments, shear, torsion, deformation, unsymmetrical bending, and eccentric loading. Prerequisite: ENGR& 214. **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

Intro to Environmental Science w/Lab (NS)

☞	7834	ENVS& 101 H	(5)	9:15-10:05am	MTWTh	ARR	Bozzolo
☞	8045	ENVS& 101 O	(5)	Online			Bozzolo

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. **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.**

GEOLOGY

Introduction Physical Geology (NS)

26438	GEOL& 101 C	(5)	9:15-10:05am	MTWTh	WSC 105	Harris
	Lab 1		1-2:50pm	Th	WSC 105	Harris
	Lab 2		3-4:50pm	Th	WSC 105	Harris

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

Natural Hazards & Catastrophes (NS)

26427	GEOL 108 C	(5)	10:30-11:20am	MTWTh	WSC 105	Harris
	Lab C1		1-2:50pm	T	WSC 105	Harris
	Lab C2		3-4:50pm	T	WSC 105	Harris
29571	GEOL 108 O	(5)	Online			Harris
	Lab O1		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. (Geology)

HEALTH

Health & Wellness (HF)

☞	8051	HLTH 130 H	(3)	9:15-10:20am	MW	MSG 106	Johnson
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An exploration of current personal health issues and a presentation of contemporary approaches to obtaining and maintaining a high level of wellness. Lab fee \$3.10. **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)

☞	8052	HLTH 140 H	(3)	10:30-11:35am	TTh	MSG 106	Johnson
☞	8053	HLTH 140 O	(3)	Online			Johnson
☞	27545	HLTH 140 RH	(3)	1:30-2:20pm	W	MOR 101	Johnson

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

Stress Management (HF)

☞	8125	HLTH 143 H	(2)	8-9:05am	TTh	MSG 106	Johnson
☞	8054	HLTH 143 O1	(2)	Online			Johnson

Understand how stress can impact quality of life. Learn methods for identifying stressors and strategies to effectively manage them. Construct a personalized stress management program. **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.**

Safety & Fitness (HF)

☎	8055	HLTH	145 O1 (3)	Online	Staff
☎	24630	HLTH	145 O2 (3)	Online	Staff

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. **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

Western Civilization I (SS)

7839	HIST&	116 C (5)	10:30-11:35am	MTWTh ARR	Peterson
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Analysis of the development of major political, economic, social and cultural characteristics of Antiquity and Medieval Europe.

US History I (SS)

7836	HIST&	146 C (5)	11:45am-12:50pm	MTWTh ARR	Peterson
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Analysis of American history from the pre-invasion to the Antebellum Era. Emphasis will be on the political, social, and economic changes.

US History II (SS)

☎	7837	HIST&	147 O (5)	Online	Mayfield
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Analysis of American history from Antebellum Era to the Progressive Era. Emphasis will be on the political, social, and economic changes. **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 III (SS)

☎	7838	HIST&	148 C (5)	10:30-11:35am	MTWTh ARR	Mayfield
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Analysis of American history from World War One to the present. Emphasis will be on the political, social, and economic changes.

HUMAN RELATIONS

Human Relations-Workplace

☎	7896	HR	110 O (5)	Online	McClain
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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. **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.**

HUMANITIES

Ethics & Cultural Values (H)(D)

☎	7840	HUM	110 H (5)	11:45am-12:35pm	MTWTh ARR	Mitchler
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An interdisciplinary course involving the study of philosophy, literature, history and religion within the context of Western and Oriental ethical systems of thought, focusing on cultural values through a study of virtue, duty, utility, and rights. **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 I (H)

☎	7841	HUM&	116 O (5)	Online	Mitchler
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A survey of the major movements in art, architecture, music, philosophy and literature in a historical context, from pre-history to 1400 C.E. **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.**

Lyceum I, II, III

29561	HUM	281 C (1)	1-1:50pm	W	WAH 103	Bannish
29563	HUM	282 C (1)	1-1:50pm	W	WAH 103	Bannish
29566	HUM	283 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

☎	7911	TRDS	100 H1 (5)	9:15-9:50am	MT	TEC 133	Lipp
		Lab		10am-3:30pm	MT	TEC 135	Lipp
☎	7914	TRDS	100 H2 (5)	1-3:30pm	WTh	TEC 135	Staff
		Lab		12-12:50pm	WTh	TEC 133	Staff

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. **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.**

College & Career Success for Trades

27707	TRDS	101 C (3)	8-8:50am	MW	ARR	Staff
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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.

Mechanical Systems

☎	7915	TRDS	120 H1 (5)	9:15-9:50am	MT	TEC 133	Lipp
		Lab		10am-3:30pm	ARR	TEC 135	Lipp
☎	7916	TRDS	120 H2 (5)	9:15-9:50am	WTh	TEC 133	Steidel
		Lab		10:30am-3:30pm	WTh	TEC 135	Steidel

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. Corequisite: TRDS 100. Lab fee \$50.00. **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. Both sections meet 10/28 – 12/12.**

INFORMATION TECHNOLOGY

Computer Science I C++

☎	8118	CS&	131 H (5)	9-9:50am	MTWTh ARR	Staff
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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. **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 Programming

7917	IT	101 C (5)	9:15-10:05am	MTWTh	WAH 211	Harlan	
☎	8108	IT	101 VH (5)	9:15-10:05am	MTWTh	Virtual	Harlan

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

Introduction to Windows OS

7790 IT 117 C (3) 8-8:50am WTh WAH 207 Coleman
8116 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. **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.**

Relational Databases

7919 IT 150 C (5) 11:45am-12:35pm MTWTh WAH 216 Kerschner
8110 IT 150 V (5) 11:45am-12:35pm MTWTh Virtual Kerschner

Students learn the tools and processes for data modeling in Relational Database Management Systems. Topics include Structured Query Language (SQL), functional dependencies, normalization, database design methodologies and entity relationship modeling. 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.**

Web Development II

7921 IT 212 H (5) 10:30-11:20am MTWTh WAH 216 Harlan
8112 IT 212 VH (5) 10:30-11:20am MTWTh Virtual Harlan

A course in front-end web frameworks. Students will utilize front-end web frameworks to develop, test, and debug web applications. Topics include front-end web frameworks (e.g. Angular, React), routing, templates, directives, and local storage, testing techniques. Prerequisite: IT 121 and IT 111 or instructor 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.**

MATHEMATICS

Pre-Algebra

7798 MATH 96 H1 (1-5) 8-9:05am MWTh TSB 001 Spitzer
8129 MATH 96 H2 (1-5) 10:30-11:35am MWTh WSC 110 Spitzer
24493 MATH 96 NH (1-5) 4:30-5:45pm MTWTh TSB 001 Keahey
8338 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. **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.**

Algebra I

8127 MATH 98 H1 (1-5) 8-9:05am MWTh TSB 001 Spitzer
8130 MATH 98 H2 (1-5) 11:45am-12:50pm MWTh WSC 110 Spitzer
24512 MATH 98 NH (1-5) 4:30-5:45pm MTWTh TSB 001 Keahey
8339 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 rational expressions. Prerequisite: MATH 096. **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.**

Algebra II

8039 MATH 99 H (1-5) 8-9:05am MWTh TSB 001 Spitzer
24519 MATH 99 NH (1-5) 4:30-5:45pm MTWTh TSB 001 Keahey
8340 MATH 99 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. Prerequisite: MATH 098 or equivalent. **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.**

Math in Society (M)

8069 MATH& 107 C (5) 9:15-10:20am MTWTh ARR Leer
7847 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. **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.**

Linear Algebra (M)

7843 MATH 118 C (5) 10:30-11:35am MTWTh ARR Taylor

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

Pre-Calculus I (M)

7850 MATH& 141 C1 (5) 8-9:05am MTWTh WSC 109 Adams
26589 MATH& 141 C2 (5) 8-9:05am MTWTh ARR Leer
7848 MATH& 141 H (5) 11:45am-2:50pm MTW WSC 107 Ziegler
7849 MATH& 141 O1 (5) Online 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. **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.**

Pre-Calculus II (M)

7851 MATH& 142 C (5) 10:30-11:35am MTWTh ARR 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.

Introduction to Statistics (M)

7941 MATH& 146 C1 (5) 9:15-10:20am MTWTh WSC 213 Adams
7846 MATH& 146 C2 (5) 11:45am-12:50pm MTWTh WSC 213 Kiekel
7845 MATH& 146 O1 (5) Online Kiekel
8329 MATH& 146 O2 (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. **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.**

Calculus II (M)

7844 MATH& 152 C (5) 11:45am-12:50pm MTWTh WSC 109 Taylor

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

Discrete Structures 1 (M)

27708 MATH 202 C (5) 8-9:05am MTWTh ARR Taylor

Students will learn set theory, relations, functions, formal logic, constructing proofs, computing with base n numbers, combinatorics, and discrete probability with applications.

MECHATRONICS

Industrial Robotics

8074 MEC 270 C (5) 9:15-11:50am Th TEC 159 Gill
Lab 12:3-50pm Th TEC 159 Gill

Survey of robotics used in industry. Heavy emphasis on safe handling and work cell safety. Programming features include teaching points, program structure and device interfaces. Course includes Fanuc Corporation Certified Education Robot Training (CERT) Certification. Lab fee \$83.75.

MEDICAL ASSISTANT

MA Medical Terminology

7791 MA 139 H (5) 9:15-10am MTWTh TEC 115 T Layton

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.**

Intro to Medical Assistant

7949 MA 140 H (5) 7:30-8:50am MTWTh TEC 115 Rose

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

7924 MA 241 H (7) 1-2:50pm MTWTh WAH 214 T Layton

Overview of physical examination, procedures, and testing that a medical assistant would assist a health care provider within an ambulatory care setting. Prerequisite: acceptance into a 2nd year MA. Lab fee \$100. **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

26235 MA 242 V (7) 9am-12pm F Virtual T Layton

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) with internet access to complete online homework and review online materials.**

MA Admin Procedures

7926 MA 249 H (8) 10-11:30am MTWTh TEC 115 T Layton

Administrative protocols and procedures related to front and back office responsibilities in an ambulatory care setting; with emphasis on communications, medical records management, and fiscal management practices. Prerequisite: acceptance into 2nd year MA program. Lab fee \$18.50. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

MUSIC

Fundamentals of Music (H)

7853 MUSC 100 H (5) 9:15-10:05am TTh ARR O'Donel

Introduction to the elements of music theory, including scales, intervals, keys, triads, elementary ear training, notation, meter and rhythm. **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 Appreciation (D)(H)

7856 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)

8008	MUSC	124 N	(2)	6-8:30pm	W	WAH 152	Blaser
27159	MUSC	125 N	(2)	6-8:30pm	W	WAH 152	Blaser
27162	MUSC	126 N	(2)	6-8:30pm	W	WAH 152	Blaser
27182	MUSC	127 N	(2)	6-8:30pm	W	WAH 152	Blaser
27184	MUSC	128 N	(2)	6-8:30pm	W	WAH 152	Blaser
27186	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 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)

7855 MUSC 139 H (5) 10:30-11:20am TTh ARR O'Donel

A music survey of diversity found in music around the world. Examines music as accompaniment to ceremony and ritual, aid to work and routine, and an expression of universal unchanging human emotions. Prior musical experience is not necessary. Prerequisite: proficiency in reading, grammar skills. **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)

7854 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 I (H)

8141 MUSC& 141 H (5) 10:30-11:35am MTWTh ARR Kim

A study of the building blocks of music. Emphasis on aural, written, and performance skills to include the following areas: Staff notation, scales and modes, key signatures, meters and rhythm, and melodic motives. 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.**

Concert Choir I – VI (AE)

8010	MUSC	144 N	(2)	6:30-9pm	Th	WAH 152	Kim
8149	MUSC	145 N	(2)	6:30-9pm	Th	WAH 152	Kim
27188	MUSC	146 N	(2)	6:30-9pm	Th	WAH 152	Kim
27190	MUSC	147 N	(2)	6:30-9pm	Th	WAH 152	Kim
27192	MUSC	148 N	(2)	6:30-9pm	Th	WAH 152	Kim
27194	MUSC	149 N	(2)	6:30-9pm	Th	WAH 152	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 I (AE)

8142	MUSC	151 H	(1)	11:45am-12:35pm	Th	ARR	Kim
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Functional piano study/skill for music majors. A practical course to accompany the music theory courses. Corequisite: simultaneous enrollment in music theory class. **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.**

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

29585	MUSC	150 C	(1)	Online			O'Donel
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Applied French Horn (AE)

27196	MUSC	154 C	(1)	ARR	ARR	ARR	Blaser
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Applied Trumpet (AE)

27197	MUSC	155 C	(1)	ARR	ARR	ARR	Blaser
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Applied Trombone (AE)

27198	MUSC	156 C	(1)	ARR	ARR	ARR	Blaser
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Applied Tuba (AE)

27199	MUSC	157 C	(1)	ARR	ARR	ARR	Blaser
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Applied Euphonium (AE)

27200	MUSC	158 C	(1)	ARR	ARR	ARR	Blaser
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Applied Percussion (AE)

8143	MUSC	159 C	(1)	ARR	ARR	ARR	Blaser
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Applied Piano (AE)

8144	MUSC	160 C	(1)	ARR	ARR	ARR	Kim
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Applied Violin (AE)

27201	MUSC	161 C	(1)	ARR	ARR	ARR	Staff
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Applied Viola (AE)

27202	MUSC	162 C	(1)	ARR	ARR	ARR	Staff
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Applied Cello (AE)

27203	MUSC	163 C	(1)	ARR	ARR	ARR	Staff
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Applied Double Bass (AE)

27206	MUSC	164 C	(1)	ARR	ARR	ARR	Staff
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Applied Guitar (AE)

8145	MUSC	165 C	(1)	ARR	ARR	ARR	Tillinghast
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Applied Saxophone (AE)

27207	MUSC	166 C	(1)	ARR	ARR	ARR	Blaser
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Applied Voice (AE)

8146	MUSC	167 C	(1)	ARR	ARR	ARR	Kim
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Applied Composition (AE)

27208	MUSC	168 C	(1)	ARR	ARR	ARR	May
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Applied Clarinet (AE)

27209	MUSC	169 C	(1)	ARR	ARR	ARR	Blaser
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Applied Oboe (AE)

27210	MUSC	170 C	(1)	ARR	ARR	ARR	Blaser
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Applied Bassoon (AE)

27211	MUSC	171 C	(1)	ARR	ARR	ARR	Blaser
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Community Band I – VI (AE)

7852	MUSC	175 N	(2)	7-9pm	T	WAH 152	Blaser
27213	MUSC	176 N	(2)	7-9pm	T	WAH 152	Blaser
27215	MUSC	177 N	(2)	7-9pm	T	WAH 152	Blaser
27218	MUSC	178 N	(2)	7-9pm	T	WAH 152	Blaser
27221	MUSC	179 N	(2)	7-9pm	T	WAH 152	Blaser
27223	MUSC	180 N	(2)	7-9pm	T	WAH 152	Blaser

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

Community Orchestra I – VI (AE)

8151	MUSC	185 N	(2)	7-9pm	M	WAH 152	Friedlander
27226	MUSC	186 N	(2)	7-9pm	M	WAH 152	Friedlander
27228	MUSC	187 N	(2)	7-9pm	M	WAH 152	Friedlander
27235	MUSC	188 N	(2)	7-9pm	M	WAH 152	Friedlander
27237	MUSC	189 N	(2)	7-9pm	M	WAH 152	Friedlander
27239	MUSC	190 N	(2)	7-9pm	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

Basic Nursing Care Concepts

8255	NURS	101 H	(8)	ARR	ARR	ARR	Staff
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Introduces the program theses of homeostasis, the role of the nurse, the nursing process and continuum of care. Students will demonstrate use of the nursing process to plan and prioritize basic nursing care. In depth instruction of professional identity, nursing scope of practice, comprehensive health assessment, infection control, skin integrity, mobility, pain and comfort, and care management. Prerequisite: admission to the Centralia College Nursing Program; corequisite: NURS 111. Lab fee \$653.31. **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.**

Mental Health and Lifespan

7792	NURS	201 H	(10)	ARR	ARR	ARR	Team Taught
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Progressive competencies reflecting program themes are applied to the care of clients with mental health alterations, complications of child-bearing and high-risk newborns and children. On-campus theory, skills lab, and off-campus community-based and in-patient clinical experiences are provided. Prerequisite: NURS 101, 102, 103 and concurrent enrollment in NURS 220 or equivalents. Lab fee \$623.31. **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.**

Management & Leadership

7794 NURS 220 O (2) Online Staff
Expands on the program theme of the role of the nurse to provide a stronger theoretical foundation for assuming a management and leadership role in a variety of care settings. Prerequisite: NURS 101, 102 and 103 or equivalent; corequisite: NURS 201. Lab fee \$54.16. **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

8083 HLSV 110 C1 (1) ARR ARR ARR C Layton
8124 HLSV 110 C2 (1) ARR ARR ARR C 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.

Nursing Assistant Certification (HF)

7795 HLSV 131 H1 (12) 8am-12pm MTWTh FTC 110 Speer
Clinical 7am-12:30pm MTWTh ARR Speer
Lab ARR ARR FTC 110 Speer
7929 HLSV 131 H2 (12) 1-5pm MTWTh FTC 110 Speer
Clinical 12:30-6:30pm MTWTh ARR Speer
Lab ARR ARR FTC 110 Speer

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). Co-requisite: HLSV 110 BLS for Healthcare. Lab fee \$290. **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.**

Emergency Medical Technician

8198 HLSV 160 C (15) 5:30-10:30pm TTh FTC 108 Staff

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 \$985.

NUTRITION

Nutrition (NS)

7857 NUTR& 101 H (5) 9:15-10:20am MW WSC 208 Jewell
7858 NUTR& 101 O1 (5) Online Burke

An exploration of human nutrition with an emphasis on metabolism, digestion, dietary planning and analysis, and weight control. Prerequisite: High school-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

General Oceanography (NS)

7859 OCEA& 101 O (5) Online Will
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)

7862 PHIL& 101 O (5) Online Baker
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)

7861 PHIL 103 O (5) Online Graham
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.**

PHYSICAL EDUCATION

Volleyball

24633 P E 115 H (1) 11:45am-12:50pm TTh MSG 103 Hoel
This course will cover the fundamental skills and techniques of beginning volleyball. Includes basic rules, scoring and strategy. Lab fee \$3.10. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

Stretching & Flexibility (HF)

8056 P E 121 C (1) 11:45am-12:50pm TTh MSG 200 Johnson
8157 P E 121 RH (1) 3-3:50pm W MOR 108 Johnson
Learn and perform safe stretches to increase flexibility and range of motion. Understand how stretching can help decrease injury, recover after other workouts and calm the mind and body. Lab fee \$3.10. **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.**

Weight Training (HF)

8057 P E 123 C (1) 10:30-11:35am MW MSG 130 Robinson
8355 P E 123 O (1) Online Robinson
Designed to condition the musculature of the body using machine and free weights. Lab fee \$3.10. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

Free Weights (HF)

24634 P E 125 H (1) 10:30-11:35am TTh ARR Robinson
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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

Cardio Conditioning (HF)

☞ 24636 P E 142 H (1) 11:45am-12:50pm MW ARR Robinson
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. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

Yoga (HF)

8058 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.

Pilates/Core (HF)

8059 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)

8348 P E 158 N (1) 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)

☞ 8060 P E 168 O1 (2) Online Johnson
☞ 8335 P E 168 O2 (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. **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.**

Physical Fitness Concepts (HF)

☞ 8062 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

Engineering Physics I (NS)

☞ 7863 PHYS& 221 C (5) 8-8:50am MTWTh WSC 108 Threapleton
Lab 1 1-2:50pm M WSC 106 Threapleton
Lab 2 3-4:50pm M WSC 106 Threapleton

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

POLITICAL SCIENCE

Intro Political Science (SS)

7865 POLS& 101 C (5) 9:15-10:20am MTWTh ARR Peterson
Exploration of the fundamentals of political science: key concepts, principles, and theories. Analyze why and how leaders make the decisions they do, and why citizens obey most of these decisions.

PSYCHOLOGY

General Psychology (SS)

☞ 7866 PSYC& 100 H1 (5) 10:30-11:20am MTWTh ARR MacNamara
☞ 7867 PSYC& 100 H2 (5) 1-2:50pm TTh WSC 210 MacNamara
☞ 27551 PSYC& 100 RH (5) 10:30am-12:35pm M MOR 101 Staroff
☞ 7868 PSYC& 100 O (5) Online MacNamara

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

27776 PSYC& 180 C (5) 10:30-11:35am MTWT WSC 213 Kiekel
A scientific and sociocultural approach to the study of human sexuality and sexual behavior, related to physiological and psychological components. Topics include sexuality across the lifespan, relationships, reproduction, pregnancy, contraception, abortion, gender diversity, sexual orientation, communication, sexual health, dysfunction, and related therapeutic approaches. Prerequisites: grade of at least 2.0 in PSYC& 100.

Lifespan Psychology (SS)

☞ 7869 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. **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

☞ 24545 READ 099 H (1-5) 11:45am-12:50pm MTWTh TSB 105 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) with internet access to complete online homework and review online materials.**

SCIENCE

College & Career Success: STEM

☞ 32094 SCIE 100 H (3) 11:45am-12:50pm MW TAC 331 Sprafka Coleman
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.

SOCIOLOGY

Introduction to Sociology (D) (SS)

7870 SOC& 101 C (5) 11:45am-12:50pm MTWTh WSC 210 Bryant-Anderson

☞ 7871 SOC& 101 H (5) 11-11:50am MTWTh WSC 215 Lytle

☞ 7872 SOC& 101 O (5) Online Tate-Libby

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 the Family (D) (SS)

☞ 7910 SOC 125 O (5) Online Bryant-Anderson

Introduces the study of family as a social institution. Examines historical and cultural variations in the institution of family and the diversity of family forms and relationships in contemporary society. Explores connections between the family and wider social forces and analyzes the functions families serve for individuals and society. **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.**

Social Problems (D) (SS)

7873 SOC& 201 C (5) 10:30-11:35am MTWTh ARR Bryant-Anderson

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.

SPANISH

Spanish I (H)

☞ 7874 SPAN& 121 H1 (5) 8-9:05am MTWTh WSC 210 Gorecki

☞ 7875 SPAN& 121 H2 (5) 10:30-11:20am MTWTh WSC 210 Gorecki

☞ 7876 SPAN& 121 O (5) Online Martinez

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

☞ 27528 SPAN& 221 H (5) 11:45am-12:50pm MTW WSC 210 Gorecki

Fourth class in sequence. Learn the fundamental skills of listening comprehension, speaking, reading, and writing. Develop an awareness of Spanish speaking countries and their cultures. Prerequisite: Spanish III or equivalent amount of high school Spanish. **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 ABUSE DISORDER

PROFESSIONAL

Introduction to SUDP

☞ 7932 SUDP 100 H (5) 1-2:50pm MW WSC 111 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.**

Law & Ethics

☞ 7933 SUDP 200 H (4) 1-2:50pm TTh WSC 111 Rabe

Contemporary legal and ethical issues in substance use disorder counseling including professional and peer relationships, boundaries, NAADAC code of ethics, multiple relationships and values in the counseling relationship, and laws surrounding counseling including confidentiality and HIPAA. Prerequisite: SUDP 100 (2.0 or higher) or instructor permission is required for this course to count toward the Substance Use Disorder Professional degree. **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 Diversity

☞ 7934 SUDP 210 O (3) Online Rabe

Designed to explore self-awareness and improve knowledge and skills of substance use disorder professionals while working with the clients from diverse cultural backgrounds. Prerequisite: SUDP 100 (2.0 or higher) or instructor permission is required for this course to count toward the Substance Use Disorder Professional degree. **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 Adolescents

☞ 7935 SUDP 220 O (5) Online Rabe

An overview course covering the Bio-Psycho-Social risk and protective factors associated with adolescent substance use, misuse, and dependency. Topics: Adolescent brain development: assessment, treatment, and referral; client, family, and community education, prevention, and intervention. Prerequisite: SUDP 100 (2.0 or higher) or instructor permission is required for this course to count toward the Substance Use Disorder Professional degree. **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

8173 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; corequisites: WELD 195 and WELD 259. Lab fee \$143.09. **Class meets 9/23– 10/24.**

SMAW I

8082 WELD 161 C (6) 9:15am-3pm MTWTh TEC 103 Hegsted/Peters

Introduction to shielded metal arc welding. The lab consists of safety, machine setup and operation, joint design, and electrode selection. Corequisite: WELD 265. Lab fee \$173.44. **Class meets 9/23 – 10/24.**

FCAW/GMAW I

8170 WELD 164 C (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; corequisites: WELD 175 and WELD 267. Lab fee \$173.44. **Class meets 9/23 – 10/24.**

SMAW Theory

8080 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. Corequisites: WELD 161 and WELD 265. **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

8171 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; corequisites: 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.**

Shielded Metal Arc Welding

7786	WELD	181 NH (5)	5-5:50pm	TTh	TEC 103	Daarud
	Lab		6-8:50pm	TTh	TEC 105	Daarud

Safety, setup, and welding in all positions using AC/DC arc welding equipment on carbon steel. Lab fee \$73.78. **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 Theory

8174 WELD 195 O (2) Online Staff
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; corequisite: 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

8175 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 10/28 – 12/12.**

SMAW II

8081 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. Corequisite: WELD 161 and WELD 165. Lab Fee: \$173.44. **Class meets 10/28 – 12/12.**

FCAW/GMAW II

8172 WELD 267 H (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; Corequisites: WELD 164 and WELD 165. Lab fee \$143.09. **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 10/28 – 12/12.**

BACHELOR – APPLIED SCIENCE

Accounting Principles for Managers

☞ 28040 ACCT 310 NH (5) 5-6:50pm T WSC 206 Crawford

☞ 28041 ACCT 310 O (5) Online Crawford
Foundation course in accounting principles from a management perspective. Analyze the interrelationships of financial statements and cost behavior to measure and control the performance of a business entity, and make decisions based on this information. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

Governmental Accounting

☞ 28042 ACCT 401 O (5) Online Brodersen

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

Intro to Behavioral Healthcare

☞ 8186 BASBH 300NH (5) 5-6:50pm T WSC 108 Staff

Introduction to the field of behavioral healthcare and human services. Topics include: the historical underpinnings of the field, the work of the human service provider and the milieu in which client services are provided, exploration of ethics, values, and self-understanding as these apply to the human service worker. Prerequisite: admittance in BASBH program or administrative and 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.**

Social & Cultural Diversity BH

☞ 8187 BASBH 320 NH (5) 7-8:50pm T WSC 101 Staff

This course examines how cultural, biological, and social diversity affect thought and behavior. It presents current theories and practices for working with diverse populations in the behavioral health field and fosters the understanding and application of cultural diversity, cultural competency, self-awareness, social justice, and advocacy. Prerequisite: admission in BASBH program or administrative and 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.**

Treatment of Mental Health Disorders

☞ 8189 BASBH 420 NH (5) 7-8:50pm T WSC 110 Staff

This course offers students experiences in assessing the various aspects of common mental health disorders encountered in the behavioral health field. Students will develop the knowledge and skills necessary to conduct systematic and culturally-sensitive biopsychosocial assessments, diagnosis, and treatment recommendations. Prerequisite: admittance in BASBH program or administrative and 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.**

Advanced Counseling Techniques

☞ 8188 BASBH 450 NH (5) 5-6:50pm T WSC 109 Staff

Survey of the major contemporary theories of counseling and their implications for practice. Topics include: historical background, key concepts, the counseling process, counseling techniques and procedures, multicultural perspectives, and evaluation of clients. Case studies are used to determine appropriate counseling interventions, practice a variety of techniques commonly used in counseling practice. Prerequisite: admittance in BASBH program or administrative and 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.**

Behavioral Healthcare in Primary Care

☞ 8190 BASBH 455 NH (5) 6-7:50pm Th WSC 108 Staff

Builds on previous coursework of behavioral health assessment treatment planning, documentation and evaluation. Course emphasizes practical skills designed to enhance effective communication across disciplines to prepare students for a collaborative healthcare treatment approach. Practice skills learned in class to promote engagement, motivation, and empowered decision-making among clients. Prerequisite: admission in BASBH program or administrative and 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.**

Professional & Organizational Communication (H)

☞ 8232 CMST 330 NH (5) 7-8:50pm T WSC 208 Majors

☞ 8199 CMST 330O (5) Online McQuarrie
Foundation course designed to develop effective written and verbal communication skills in organizational settings. Students will gain an appreciation for the crucial role communication plays in organizations and how to improve their employability. Prerequisite: five units of lower-division Humanities. **These courses require reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

Shop/Fleet Management

☞ 25017 DET 430 H (5) 9:15am-2:45pm WTh FTC 108 Staff

Lab ARR ARR ARR
Introduction and explanation of day-to-day shop processes. Managerial skills, tasks, and responsibilities relevant to the diesel and heavy equipment industry will include: warranties, policies, cores, credits, paper in process, work orders, and budgeting. Prerequisite: enrollment in BAS-DT or by permission. Lab fee \$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. Class meets 10/28 – 12/12.**

Hydraulics II

☞ 25021 DET 435 H (5) 9:15am-2:45pm WTh TEC 154 Conrad

Lab ARR ARR ARR
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. **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 9/23 – 10/24.**

Combustion Engine Fuels

☞ 25023 DET 445 H (5) 9:15am-2:45pm ARR FTC 108 Lipp

Lab ARR ARR ARR
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. **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.**

Applied Failure Analysis

☞ 25019 DET 455 H (5) 9:15am-2:45pm WTh TEC 154 Conrad

Lab ARR ARR ARR
This course focuses on material failures, techniques of failure analysis, and examination/identification of failure root causes. Students will learn to interpret and explain their results to customers. Prerequisite: admittance into BAS-DT or administrative permission. Lab fee \$100. **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 10/28 – 12/12.**

Power Generation Systems

☞ 25025 DET 465 H (5) 9:15am-2:45pm WTh ARR Lipp
Lab ARR ARR ARR Lipp

Students will operate, maintain, test, and troubleshoot generators and related energized and de-energized components. Emphasizes safe working practices when working around on-site power generation systems. Prerequisite: enrollment in BASDT or by permission. Lab fee \$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. Class meets 10/28 – 12/12.**

Managerial Economics (SS)

☞ 28055 ECON& 305 H (5) 9:15-10:20am MTWTh WSC 206 Staff

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.**

Introduction SPED

☞ 7760 EDUC 300 NH (5) 6:30-8:05pm T WAH 146 Fritch

This course provides an introduction to the terminology, identification, and issues when addressing the needs of diverse students with disabilities. Prerequisite: admission in BAS-TE program or administrator approval. **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.**

Social Emotional Teaching and Learning

☞ 8228 EDUC 320 NH (5) 6-7:50pm T WAH 105 Baker

Develop skills for teaching SEL (Social Emotional Learning) to students from kindergarten to 8th grade. Using theory, research, and practice, students will engage with components such as self-awareness, self-management, self-efficacy, social awareness, social management, social engagement, brain-based instructional strategies, trauma-informed SEL, and local SEL curriculum. Prerequisites: admittance into BAS-TE Program 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.**

Technology and Teaching

☞ 7761 EDUC 330 NH (2) 7-8:20pm Th WSC 211 Sproul

This course focuses on various educational technologies, ranging from classroom equipment to online learning management systems, with a particular focus on students' physical and emotional safety. Prerequisite: admittance into BAS-TE program or administrator approval. **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.**

Diversity in Students

☞ 7763 EDUC 350 NH (3) 5-6:20pm T WAH 109 Lord

Using theory, research, and practice, students will understand and recognize issues of diversity. Behavioral supports will be assessed relative to vulnerable, special, and minority populations. Topics include race, ethnicity, gender, class, sexuality, disability, and age. Prerequisite: admittance into BAS-TE program or administrator approval. **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.**

Support: Child & Family

☞ 7762 EDUC 370 NH (3) 8:15-9:20pm T WAH 146 Fritch

Study techniques for communicating with families and professionals about characteristics and needs of individuals with differing abilities. Strategies for collaborating with families, recognizing and respecting family, cultural, and societal diversity. Identify local resources. Prerequisite: admittance into BAS-TE program or administrator approval. **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.**

Curriculum & Instruction

☞ 7764 EDUC 420 NH (5) 5-6:50pm Th WAH 103 Grande

Explore a variety of evidence-based instructional strategies for successful education of students with differing social and cultural backgrounds and learning styles. Plan and implement class activities that involve students in an active learning environment. Prerequisite: admittance into BAS-TE program or administrator approval. Corequisite: EDUC 481 Practicum 1. **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.**

Pre-Residency Clinical

☞ 7765 EDUC 484 NH (2) 5-5:50pm T WAH 103 Grande

Each weekly class session will provide directions on the field assignment for that week. Participants spend 33 field hours implementing current theory, research, and best practices related to their comprehensive program learning thus far. Prerequisite: admittance into BAS-TE program or administrator approval. Lab fee \$67. **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.**

Application Development Fundamentals

☞ 8072 IT 301 H (5) 12-12:50pm MTWTh ARR Harlan

☞ 8114 IT 301 VH (5) 12-12:50pm MTWTh Virtual Harlan

This class focuses on object-oriented programming techniques using classes, polymorphism, inheritance, abstraction and interfaces. Application design will be emphasized. Additional topics include UML diagramming architectural frameworks such as MVC. Prior basic understanding of OOP recommended. 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.**

Data Structures and Algorithms

☞ 8251 IT 415 H (5) 11:45am-12:35pm MTWTh WAH 211 Staff

Introduction to data structures and analysis of algorithms. Topics include abstract data types, specification, and implementation of advanced data structures, and theoretical and empirical analysis of recursive and iterative algorithms. Prerequisite: BAS-IT: AD admission or approval. Lab fee \$50. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

Business Intelligence App

☞ 8120 IT 420 H (5) 10:30-11:30am MTWTh WAH 211 Staff

☞ 8122 IT 420 VH (5) 10:30-11:50am MTWTh Virtual Staff

Students gain practical experience and skills to develop business intelligence solutions. Students will create reports, dashboards, setup and perform statistical analysis, data mining, and classification/clustering of data using both programming and tools. Prerequisite: BAS-IT:AD admittance or permission of the instructor. **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 Math (M)

📞 8002 MATH 315 NH (5) 7-8:50pm Th WAH 146 Fritch

Provides the requisite knowledge and skills to teach K-8 students core math concepts. Current state standards for math learning will be reviewed with a focus on understanding how to teach and apply mathematical concepts. **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

📞 8185 MGMT 360 O (5) Online 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) with internet access to complete online homework and review online materials.**

Practicum in Management

📞 28070 MGMT 370 H (5) 11:45am-12:50pm MTWTh WSC 206 Burger

📞 28069 MGMT 370 O (5) Online King

This course will explore and build student comprehension of the application of management functions covered in BAS-AM courses via direct interaction between students and local managers and entrepreneurs from private, public and non-profit sectors. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

Supply Chain Management

📞 28074 MGMT 430 H (5) 10:30-11:35am MTWTh WSC 206 Burger

📞 28073 MGMT 430 O (5) Online Burger

Supply Chain Management (SCM) explores the fundamental elements required for business efficiencies in operations. SCM utilizes analytical management techniques for ascertaining demand for the organization's goods and services, justifying and acquiring the necessary resources, planning and controlling the transformation of resources into goods and services, and inventory management. SCM surveys supply chain strategy and design, scheduling and production design, supply chain management operations, and provides and introduction to distribution and quality management. Course reviews the SCM application in both large and small organizations, private and public enterprise, service and manufacturing organizations. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

Leadership & Organizational Behavior (SS)

📞 8233 PSYC 320 NH (5) 6-7:50pm Th WSC 208 Kiekel

📞 8231 PSYC 320 O (5) Online MacNamara

Relate theory and research to organizational problems by reviewing advanced concepts in motivation, perception, leadership, decision-making, communication and influence, group behavior, diversity, conflict and cooperation, politics, corporate culture, organizational structure, and environmental influences. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**

Social Studies for Teachers (SS)

📞 8003 SST 365 NH (5) 5-6:50pm Th WAH 105 Gehrke

Explores the specific concepts and topics in social studies. Applies methods used to teach through integrated thematic units of curriculum and instruction, incorporating current research and best practices for teaching. Pre-requisite: Admittance into BAS program or administrator approval. **This course requires reliable access to a computer or laptop (a cell phone is not sufficient) with internet access to complete online homework and review online materials.**