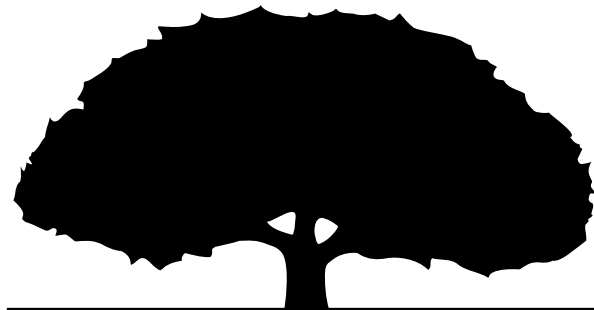


Spring 2020

Advising Schedule



CENTRALIA
COLLEGE

Please note new start date!

Spring quarter classes begin **APRIL 6, 2020.**

Check our website for current class schedule information:

www.centralia.edu/academics/schedule.aspx

SCHEDULE KEY

- ☞ Class has online component(s)
- ☐ Class is offered after 4:30pm
- ☐ Class is offered at Centralia College East in Morton

Class section codes:

If a class section code contains a number, then there is an online component to the class:

1 = Class is fully online; 3 = Class is hybrid (some class time replaced with online activities); 4 = Class is web-enhanced (some class resources, files or activities are online)

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

COURSE DISTRIBUTION

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

ACCOUNTING

Basic Computer Accounting

☞ 7061 ACCT 130A3 (3) 10-10:50am MTWTh WAH 205 Lazo
+1 hour/week TBA

Accounting experience on a personal computer using QuickBooks Pro software. Reinforces procedures learned in ACCT 110 and 120 or ACCT& 201. Students record transactions, prepare financial statements, and payroll. Prerequisite: ACCT& 201 or ACCT 110 and 120.

Prin of Accounting II (AE)

☐☞7069 ACCT& 202RP1 (5) Online Germann

This course emphasizes accounting for partnerships and corporations. Topics include, but are not limited to, accounting for fixed and intangible asset, payroll, stock, bonds, the statement of cash flows, and financial statement analysis. Prerequisite: ACCT& 201.

Principles of Accounting III (AE)

☞ 7070 ACCT& 203A4 (5) 11-11:50am Daily WAH 103 Thompson

This course emphasizes accounting for departments and branches, cost accounting in a manufacturing environment cost-volume-profit analysis, budget preparation and analysis, standard costs, segment reporting, differential costs and revenues, and capital budgeting decisions. Prerequisites: ACCT& 201 and 202 or ACCT 200.

Introduction to Audit

☞ 7062 ACCT 210A4 (5) 9-9:50am Daily WAH 113 Thompson

An introduction to the audit environment as it applies to the professional spectrum of financial accounting and reporting. Prerequisite: ACCT& 203.

Acctg Info Systems

☐☞7063 ACCT 220RP1 (5) Online Germann

The application of accounting information systems used in the computing environment. It is intended for the public bookkeeper managing transactional disposition of all accounts, developing financial statements, and maintaining external schedules. Prerequisite: ACCT 201 or instructor permission.

Business Entity Tax

☐☞7064 ACCT 240R3 (5) 4-6:20pm T MOR 101 Germann

This course focuses on the determination and disposition of taxation as it applies to business entities, as well as introducing elements of tax planning and research. Prerequisite: ACCT& 203.

Bookkeeper Cert. Course

☞ 7066 ACCT 285A4 (5) 10-10:50am Daily WAH 109 Thompson

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

AMERICAN SIGN LANGUAGE

American Sign Language I (H)

8267 ASL& 121A4 (5) 2:30-4:50pm TTh WSC 109 Depuye-Phill

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.

American Sign Language III (H)

☞ 7092 ASL& 123A4 (5) 12-2:20pm TTh WSC 109 Depuye-Phill

☞ 7093 ASL& 123B4 (5) CANCELED

An in-depth study of American Sign Language applications including conversation regulators, classifiers and locatives, directional verbs and cultural information. Prerequisite: ASL& 122.

ANTHROPOLOGY

Cultural Anthropology (D)(SS)

☞ 7073 ANTH& 206A4 (5) 9-9:50am Daily WSC 101 Avalos

☞ 8359 ANTH& 206B4 (5) 9-9:50am Daily WSC 101 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.

Bioanthropology w/Lab (NS)

☞ 7074 ANTH& 215A4 (5) 10-10:50am MTWTh TAC 122 Avalos

1:30-3:20pm F WSC 314 Avalos

☞ 7075 ANTH& 215B4 (5) 10-10:50am MTWTh TAC 122 Avalos

3:30-5:20pm F WSC 314 Avalos

☞ 8333 ANTH& 215C3 (5) ARR ARR ARR Avalos

3:30-5:20pm F WSC 314 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.

Cultural & Ethnic Pluralism (D)(SS)

☞ 7071 ANTH 225AP1 (5) Online Tate

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

Myth, Ritual, and Magic (D)(SS)

☞ 7072 ANTH 235A4 (5) 1-3:20pm MW WSC 107 Avalos

An ethnographical overview of the supernatural beliefs of peoples and cultures. Attention is paid to various Anthropological and Sociological theories concerning the nature, cause(s), and source(s) of supernatural belief in world societies and cultures.

ART

Art Appreciation (D)(H)

☎ 7084 ART& 100AP1 (5)	Online	Decker
☎ 8346 ART& 100BP1 (5)	Online	Decker
☎ 8136 ART& 100R3 (5)	10am-1pm F MOR 101	Cantin
	+2 hours/week TBA	

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

Drawing I (H)

☎ 7076 ART 102A4 (5)	1-3:50pm MW	WAH 108/116	Frey
----------------------	-------------	-------------	------

An introduction to the fundamentals of drawing. Emphasis 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 \$9.33.

Drawing II

☎ 7077 ART 103A4 (5)	1-3:50pm MW	WAH 108/116	Frey
----------------------	-------------	-------------	------

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

Drawing III

☎ 7078 ART 104A4 (5)	1-3:50pm MW	WAH 108/116	Frey
----------------------	-------------	-------------	------

Advanced level study of the fundamentals of drawing: composition, technique and manipulation of materials, exploration of subject matter. Lectures on contemporary and historical artists support drawing labs. Prerequisite: ART 103 or instructor permission. Lab fee \$9.33.

Printmaking (H)

☎ 8118 ART 106A3 (5)	1-3:50pm MW	WAH 214	Solomon
	1-3:50pm MW	WAH 116	Solomon

An introduction into the studio methods of printmaking as well as its historical significance and contemporary applications. Create multiples using various matrixes including screen prints, etchings and relief prints. Lab fee \$50.

Computer Graphics (H)

☎ 7079 ART 130A3 (5)	11-11:50am Daily	WAH 209	Solomon
----------------------	------------------	---------	---------

An overview of computer programs used to create images for print and screen, still and moving. Gain basic skills in design and programs by creating digital art work in a series of assignments. Lab fee \$85.

Introduction to Fibers (H)

☎ 7080 ART 160A4 (5)	1-3:50pm TTh	WAH 116	Frey
----------------------	--------------	---------	------

An introduction to fiber art history and techniques with an emphasis on traditional, hand-manipulated processes such as basketry, felting, dyeing and simple loom work. Lab fee \$48.29.

Digital Photography (H)

☎ 7081 ART 174A3 (5)	12-12:50pm MTW	WAH 209	Solomon
	12-1:50pm Th	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.

Art History: 18th-20th C (D)(H)

☎ 7082 ART 202A4 (5)	11-11:50am Daily	WAH 109	Frey
----------------------	------------------	---------	------

A survey of the history of art in 15th-20th century Asia and 18th-20th century Europe. Historical developments in architecture, sculpture, painting and other art forms will be examined.

ASTRONOMY

The Solar System & the Universe (NS)

☎ 7094 ASTR 127AP1 (5)	Online	Garcia
☎ 7095 ASTR 127BP1 (5)	Online	Garcia

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

BIOLOGY

Human Biology (NS)

☎ 7108 BIOL& 170A4 (5)	11-11:50am Daily	WSC 107	Jewell
------------------------	------------------	---------	--------

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

Human Biology Lab (AE)

☎ 7103 BIOL 172A4 (1)	2-3:50pm W	WSC 314	Jewell
-----------------------	------------	---------	--------

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

Majors Organismal Physiology (NS)

☎ 7109 BIOL& 223A4 (5)	11-11:50am MTWTh	WSC 111	Norton
	2-3:50pm W	WSC 303	Hutcheon
☎ 7110 BIOL& 223B4 (5)	11-11:50am MTWTh	WSC 111	Norton
	4-5:50pm W	WSC 303	Hutcheon

Plant and animal comparative anatomy and physiology. Final course in a three-quarter series (BIOL& 221, 222, and 223). Prerequisite: BIOL& 222 or instructor permission. Lab fee \$20.96.

Human A & P 2 (NS)

☎ 7111 BIOL& 242N3 (5)	6-6:50pm W	WSC 215	Norton
	6-7:50pm M	WSC 314	Norton
☎ 7112 BIOL& 242NN3 (5)	6-6:50pm W	WSC 215	Norton
	4-5:50pm M	WSC 314	Norton

Investigate the interactions between structure (anatomy) function (physiology) essential for human health. Investigate organization and function of the sensory, endocrine, cardiovascular, immune, respiratory, digestive, urinary, and reproductive systems. Prerequisite: BIOL& 241 or instructor permission. Lab fee \$18.46.

Adv Topics Human A & P (NS)

☎ 7104 BIOL 243A3 (5)	12-12:50pm M	WSC 101	Norton
	ARR	ARR	WSC 314
			Norton

Investigate the inheritance of human characteristics and the regulation of gene expression. Trace the development of major organ systems in utero and fetal development. Trace the physiological and anatomical transformations in older individuals. Prerequisite: BIOL& 242 or instructor permission. Lab fee \$18.46.

Introduction to Marine Biology (NS)

☎ 7105 BIOL 250A4 (5)	12-1:50pm TTh	WSC 101	Norton
	2-3:50pm T	WSC 303	Norton

Introduction to physical and chemical factors affecting marine organisms: the various marine habitats, the animals and plants which inhabit them, and human exploitation of marine resources. Field trips to local marine habitats. Lab fee \$26.48.

Microbiology (NS)

☞ 7113 BIOL& 260A4 (5)	9-9:50am	TWTh	WSC 111	Jewell
	1-2:50pm	TTh	WSC 301	Jewell
☞ 7114 BIOL& 260B4 (5)	9-9:50am	TWTh	WSC 111	Jewell
	3-4:50pm	TTh	WSC 301	Jewell

Introductory microbiology focused on human health covering eukaryotes, prokaryotes, and viruses. Includes laboratory applications of lecture concepts. Prerequisite: both a college-level chemistry and biology course, or instructor permission. Lab fee \$31.52.

Research in Biology (AE)

7106 BIOL 270A (1-12)	ARR	ARR	ARR	Norton
7107 BIOL 270B (1-12)	ARR	ARR	ARR	Jewell

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

BOTANY**Plant Identification & Classification (NS)**

☞ 7115 BOTA 113A4 (5)	9-9:50am	MTWTh	WSC 307	Hutcheon
	1-3:20pm	Th	WSC 307	Hutcheon

Identification and classification of vascular plants of western Washington with emphasis on important plant families, conservation, and native plant uses. Field trips during labs to observe native plants in local habitats. Lab fee \$17.72.

BUSINESS ADMINISTRATION**Intro to Business (AE)**

☞ 7143 BUS& 101A4 (5)	10-10:50am	Daily	WAH 115	Burger
-----------------------	------------	-------	---------	--------

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

Business Law (AE)

☞ 7144 BUS& 201AP1 (5)	Online			McDonald
------------------------	--------	--	--	----------

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.

Business Math

☞ 8102 BUS 121A3 (5)	1-1:50pm	MTTh	WAH 109	Staff
	+2 hour/week TBA			

Surveys the commercial application of mathematics designed to assess and analyze business activities and their effect on cost, profitability and overall performance.

Data Dashboards

☞ 8104 BUS 230A3 (5)	11-11:50am	MWF	WAH 207	McClain
	+2 hours/week TBA			

Turn data into dashboards and reports focused on identifying business goals, trends and patterns that guide business decisions. Create interactive dashboards using Excel tools such as pivot tables, pivot charts, slicers and advanced formulas. Prerequisite: BTEC 214.

Entrepreneurship

☞ 7141 BUS 232AP1 (5)	Online			King
-----------------------	--------	--	--	------

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

Salesmanship

☞ 8248 BUS 235A3 (5)	10-10:50am	MWF	WAH 214	Crawford
	+2 hours/week TBA			

How to determine what motivates a customer to make a buying decision. How to ask appropriate questions to discover needs. How to organize your sales process for effective time management, and how to use technology and social media to promote your product for higher sales.

Principles of Management

☞ 8103 BUS 275A3 (5)	9-9:50am	MTWTh	WAH 115	McClain
	+1 hour/week TBA			

Management styles and effective management of personnel from the manager's side of business. The course is built around the four traditional functions of management and exploring management problems and practices. Real-life case problems used. Prerequisite: BUS& 101.

BUSINESS OFFICE TECHNOLOGY**Keyboarding for Business**

☞ 7117 BTEC 101A4 (3)	9-9:50am	Daily	WAH 207	Carlson E
☐ 8139 BTEC 101R (3)	CANCELED			

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

Keyboard Skillbuilding I

☞ 7118 BTEC 102A4 (3)	9-9:50am	Daily	WAH 207	Carlson E
☐ 8140 BTEC 102R (3)	1-3pm	MW	MOR 112	Cantin

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

Applied Business Math

☞ 7121 BTEC 120A4 (5)	8-8:50am	Daily	WAH 109	Crawford
-----------------------	----------	-------	---------	----------

Fundamental arithmetic skills applied to a wide range of business activities. Topics include; banking, discounts, payroll, simple interest, markups and markdowns and promissory notes.

Cooperative Work Experience

☞ 7122 BTEC 190AP1 (1-12)	Online			Copeland
---------------------------	--------	--	--	----------

See description under Cooperative Work Experience heading.

Work Experience Seminar

☞ 7123 BTEC 191AP1 (1)	Online			Copeland
------------------------	--------	--	--	----------

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

Keyboard Skillbuilding II

☞ 7124 BTEC 203A4 (3)	9-9:50am	Daily	WAH 207	Carlson E
-----------------------	----------	-------	---------	-----------

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

Word I

☐☞ 7125 BTEC 210R4 (5)	12-2:30pm	MW	MOR 112	Cantin
☞ 8101 BTEC 210A3 (5)	12-12:50pm	MTWTh	WAH 205	Lazo

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

Excel 1

☎ 7126 BTEC 214A3 (5) 12-12:50pm MTWTh WAH 205 Lazo
+3 hours/week TBA

☐☎7127 BTEC 214RP1 (5) Online Cantin

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

Desktop Publishing

☎ 7128 BTEC 218A3 (4) 11-11:50am MTWTh WAH 205 Lazo
+1 hour/week TBA

☐☎7129 BTEC 218RP1 (4) Online Cantin

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

Word 2

☎ 7130 BTEC 219A3 (5) 9-9:50am MTWTh WAH 205 Lazo
+3 hours/week TBA

☐☎7131 BTEC 219R4 (5) 12-2:30pm MW MOR 112 Cantin

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

Ten-Key Calculator

7132 BTEC 220A (1) 12-12:50pm TTh WAH 207 Copeland

Touch control of the 10-key calculator with emphasis on speed and accuracy. Complete business calculations using the function keys. Business Math recommend first. Lab fee \$7.15.

Business Communications

7133 BTEC 221A (5) 10-10:50am Daily WAH 207 Copeland

Applying principles of effective written and oral business communications. Upon completion, students should be able to produce effective digital media pieces, positive, negative, and persuasive messages, informal reports, and a resume and cover letter. Prerequisite: BTEC 110 or ENGL& 101 or WRT 105.

Microsoft Office-PowerPoint Module

☎ 8247 BTEC 222A4 (1) 11-11:50am TTh WAH 205 Lazo

☐☎7134 BTEC 222RP1 (1) Online Cantin

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

General Office Procedures

7135 BTEC 224A (5) 1-1:50pm MTWTh WAH 205 Copeland
+1 hour/week TBA

Topics include professional image, employer expectations, human relations, receptionist techniques, telephone procedures, mail processing, business ethics, job safety, office equipment and supplies, travel and meeting arrangements, financial activities, and composing and preparing professional documents. Prerequisite: BTEC 110, BTEC 210, BTEC 233, BTEC 214.

Medical Office Procedures

7136 BTEC 261A (5) 1-1:50pm MTWTh WAH 207 Scott
+1 hour/week TBA

Culminating course for Medical Office students. Topics cover the expected skills for successful employment in a medical setting, such as professional image, medical ethics and law, appointment scheduling, office finances, and telephone procedures. Prerequisite: BTEC 107, BTEC 110, BTEC 233, BTEC 260.

Medical Documentation

7137 BTEC 263A (4) 9-9:50am Daily WAH 207 Carlson E
+1 hour/week TBA

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

Medical Law and Ethics

☎ 7139 BTEC 266A3 (3) 12-12:50pm MW WAH 207 Scott
+1 hour/week TBA

Overview of medical law/ethics for healthcare professionals in various settings: billing/coding, transcription, phlebotomy, etc. Designed to explain ethical/legal obligations to the patient, employer, and health worker and clarify confidentiality requirements regarding patient records and history.

CHEMICAL DEPENDENCY**Drug & Alcohol Responses**

☎ 7145 CDP 101A3 (5) 12-2:30pm TTh TAC 340 Rabe
+1 hour/week TBA

Physical, psychological, and behavioral response to alcohol, drugs, and compulsive behaviors. Topics include drug classification, the neurochemistry of addiction, and an overview of basic drug kinetics to include absorption, distribution, metabolism, excretion and physiology. Prerequisite: completion of CDP 100 with a 2.0 or higher or instructor permission.

Relapse Prevention

☎ 7146 CDP 240AP1 (2) Online Rabe

An overview of the recovery process with an emphasis on Relapse Prevention. Topics include identifying warning signs of relapse, Post-Acute Withdrawal Syndrome, and developing effective relapse prevention strategies and techniques with the client. Prerequisite: CDP 100 with a 2.0 or higher.

Community Prevention

☎ 8268 CDP 250AP1 (3) Online Staroff

An overview of child and adolescent alcohol and drug abuse prevention. Focus is on the history of prevention, research, community needs assessments and best/promising prevention practices. Students will design and evaluate an effective prevention program. Prerequisite CDP 100 with 2.0 or higher.

CDP Supervised Practicum

7147 CDP 280A (5) 8-9:30am M WAH 214 Rabe

Allows the student to bridge their classroom education and training in a supervised practicum in a pre-arranged faculty approved facility for 150 supervised hours that includes a minimum of 50 face-to-face hours under direct supervision. Prerequisite: CPTP certification and practicum placement, 2.0 or higher in core classes.

CDP Capstone

☞ 8361 CDP 281AP1 (5) Online Rabe

An alternative to the training in the Supervised Practicum, the Capstone course facilitates students' preparation for working in the chemical dependency field and is designed for a student to demonstrate the application of principles and theories studied in the Chemical Dependency program.

CHEMISTRY**Introduction to Chemistry (NS)**

☞ 7180 CHEM& 121A4 (5) 9-9:50am MTWTh WSC 121 Sprafka
1-2:50pm W WSC 308 Sprafka
☞ 7181 CHEM& 121B4 (5) 9-9:50am MTWTh WSC 121 Sprafka
3-4:50pm W WSC 308 Sprafka

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

Introduction to Organic/Biochemistry (NS)

☞ 7183 CHEM& 131A4 (5) 11-11:50am MTWTh WSC 121 Sprafka
1-2:50pm Th WSC 308 Sprafka

Study of major organic functional groups and their properties and major biochemical compounds including carbohydrates, lipids, proteins, and major cellular energy pathways. Targeted for allied health programs. Prerequisite: CHEM& 121 with a 2.0 or instructor permission. Lab fee \$22.04.

General Chemistry Prep (NS)

☞ 8119 CHEM& 139A4 (5) 9-9:50am Daily WSC 109 Goodwin

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

General Chemistry w/Lab II (NS)

☞ 7184 CHEM& 162A4 (6) 10-10:50am MTWTh WSC 213 Sprafka
1-4:50pm T WSC 308 Sprafka

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

General Chemistry III w/Lab (NS)

☞ 7185 CHEM& 163A4 (6) 10-10:50am MTWTh WSC 121 Goodwin
1-4:50pm W WSC 302 Goodwin
☞ 7186 CHEM& 163B4 (6) 10-10:50am MTWTh WSC 121 Goodwin
1-4:50pm Th WSC 302 Goodwin

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

Organic Chemistry w/Lab III (NS)

☞ 7187 CHEM& 263A4 (6) 12-12:50pm MTWTh WSC 121 Goodwin
1-4:50pm T WSC 302 Goodwin

Final course in the sequence. Topics covered include structure, nomenclature, reactions and properties of aromatics, aldehydes, ketones, carboxylic acids and their derivatives, and amines. Enol/enolate chemistry and radical reactions will also be covered. Prerequisite: CHEM& 262 with 2.0 or greater or instructor permission. Lab fee \$26.88.

Research in Chemistry (AE)

7178 CHEM 270A (1-12) ARR ARR ARR Sprafka
7179 CHEM 270B (1-12) ARR ARR ARR Goodwin

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 II (H)**

☞ 7188 CHIN& 122A4 (5) 12-12:50pm Daily WSC 208 Wynder

Continued study of the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture. Prerequisite: CHIN& 121 or instructor permission.

Chinese III (H)

☞ 7189 CHIN& 123A4 (5) 11-11:50am Daily WSC 208 Wynder

Continued study of the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture. Prerequisite: CHIN& 122 or instructor permission.

Chinese VI (H)

☞ 7190 CHIN& 223A4 (5) 1-1:50pm Daily WSC 208 Wynder

Continued study of the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture. Prerequisite: CHIN& 222 or instructor permission.

COMMERCIAL TRUCK DRIVING**Commercial Truck Driving**

8319 CDL 100A (12) ARR ARR TEC 133 McKinley

This course is designed to prepare students to take the State of Washington test necessary to obtain a Commercial Driver License for the professional truck driving industry. Prerequisites: 18 years of age or older; pass Federal Department of Transportation health and drug screening; valid Washington state driver; no DUI, hit and run, reckless, or negligent infractions within the past five years; have no more than three moving violations in the past three years. Lab fee \$3,100.

COMMUNICATION STUDIES**Intro to Mass Media (H)**

☞ 7206 CMST& 102A4 (5) 11-11:50am Daily WAH 214 Fisher
☞ 7207 CMST& 102BP1 (5) Online Williams M

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.

Debate I (H)

☞ 7205 CMST 130A3 (5) 12-1:20pm MW TAC 340 McQuarrie

Students will learn to analyze, construct and deliver arguments on controversial topics using supportive evidence to respond to opposing viewpoints.

Public Speaking (H)

☎ 7208 CMST& 220A4 (5)	8-8:50am	Daily	TAC 340	McQuarrie
☎ 7209 CMST& 220B4 (5)	9-9:50am	Daily	TAC 340	McQuarrie
☎ 7210 CMST& 220C4 (5)	11-11:50am	Daily	TAC 340	McQuarrie
☎ 7211 CMST& 220D3 (5)	12-1:50pm	T	WAH 105	Majors
	+3 hours/week TBA			
☎ 8137 CMST& 220R3 (5)	9-11:20am	M	MOR 108	Majors
	+2.5 hours/week TBA			
☎ 7212 CMST& 220EP1 (5)	Online			McQuarrie

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

COMMUNICATIONS**Dragon NaturallySpeaking**

☎ 7213 COMM 100AP1 (2)	Online	Hoel
------------------------	--------	------

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

COOPERATIVE WORK EXPERIENCE**Cooperative Work Experience**

☐ 7214 COOP 190RE (1-12)	ARR	ARR	MOR	Kiehn
--------------------------	-----	-----	-----	-------

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 work site supervisor identify the learning objectives. 30-360 hours on-the-job per quarter. Instructor permission is required. Corequisite: enrollment in a Work Experience Seminar is required of Cooperative Work Experience students. You may take the Work Experience Seminar before or in the same quarter as the Cooperative Work Experience course.

CRIMINAL JUSTICE**Intro to Criminal Justice (AE)**

☎ 7201 CJ& 101A3 (5)	10-10:50am	MTWTh	WAH 105	Gilbertson
----------------------	------------	-------	---------	------------

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

Community Policing

☎ 7197 CJ 109A3 (5)	12-1:50pm	TTh	WAH 113	Gilbertson
---------------------	-----------	-----	---------	------------

Focus on resolving community issues and concerns via Community Oriented Policing and Problem Solving (COPPS) skills and strategies. Pre/corequisite: CJ& 101 or instructor permission. Lab fee \$15.31.

Criminal Law (AE)

☎ 7202 CJ& 110A3 (5)	11-11:50am	MTWTh	WAH 105	Gilbertson
----------------------	------------	-------	---------	------------

A broad survey of the common criminal laws and statutes of Washington and the other 49 United States. Pre/corequisite: CJ& 101 or instructor permission. Lab fee \$14.37.

Criminal Justice Ethics

☎ 7198 CJ 111A3 (5)	12-1:50pm	MW	WAH 113	Gilbertson
---------------------	-----------	----	---------	------------

Presents an in-depth examination and analysis of the practical, theoretical, ethical and moral considerations found in the criminal justice system. Pre/corequisite: CJ& 101 or instructor permission. Lab fee \$15.31.

Criminology (AE)

☎ 7203 CJ& 112AP1 (5)	Online	Belden
☎ 8350 CJ& 112BP1 (5)	Online	Belden

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

Community Corrections

☎ 8351 CJ 116AP1 (5)	Online	Belden
----------------------	--------	--------

Community corrections, alternative sentencing, intermediate sanctions, probation and diversion concepts studied. Explores technology innovations pertaining to community supervision. Pre/corequisite: CJ& 101 or instructor permission.

Reports, Forms & Affidavits

☎ 7199 CJ 204AP1 (5)	Online	Belden
----------------------	--------	--------

Investigative report writing including narratives, police reports, common forms, affidavits, and search warrants.

Crime Scene Photography

☎ 7200 CJ 228A3 (5)	CANCELED	Belden
---------------------	----------	--------

Practical application of basic crime scene photography methods and techniques for criminal investigations studied. Skills designed to capture the details of automobile accidents, misdemeanor, and felony crime scenes are discussed and practiced. Lab fee \$14.88.

Intro Forensic Science (AE)

☎ 7204 CJ& 240AP1 (5)	Online	Belden
-----------------------	--------	--------

Introductory course in forensic science examines physical evidence and laboratory analysis in criminal investigations. Skills and procedures required for collection, preservation, and identification of physical evidence are studied. Diagramming of crime scenes is practiced.

DIESEL EQUIPMENT TECHNOLOGY**Forklift Certification**

7216 DET 102A (1)	ARR	ARR	TEC 133	Dunn
8131 DET 102B (1)	ARR	ARR	TEC 133	Lipp
8132 DET 102C (1)	ARR	ARR	TEC 133	Lipp

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

Internal Combustion Engines I

☎ 7217 DET 120A3 (7)	7-7:50am	MTWTh	TEC 133	Dunn
	8am-12:50pm	MTWTh	TEC 135	Dunn

This course covers the operating principles of internal combustion engines. A variety of diesel engines will be disassembled and re-assembled with the use of service manuals. Prerequisite: DET 110 or instructor permission. Lab fee \$69.47. **Class meets 3/30 - 5/1.**

Shop Skills for Welders

7218 DET 166A (3)	3-3:50pm	TTh	TEC 133	Dunn
	4-4:50pm	TTh	TEC 135	Dunn

Develop practical work skills and work habits in the student. Includes safety procedures and practices, proper use and maintenance of common shop equipment and common processes and materials of metal products fabrication and manufacturing. Lab fee \$69.27.

Cooperative Work Experience

☎ 7219 DET 190A3 (7) ARR ARR ARR Lucas

See description under Cooperative Work Experience heading.

Practical Shop Applications

☎ 7220 DET 230A3 (7) 7-7:50am MTWTh TEC 159 Dunn
8am-12:50pm MTWTh TEC 154 Dunn

The discussion and implementation of proper shop practices and repair procedures. Lab fee \$104.01. **Class meets 5/4 - 6/8.**

Mobile HVAC Systems

☎ 7221 DET 235A3 (7) 7-7:50am MTWTh TEC 159 Lucas
8am-12:50pm MTWTh TEC 154 Lucas

The theory and application of basic principles used in Heating Ventilation and Air Conditioning (HVAC) systems of diesel powered equipment. Lab fee \$87.69. **Class meets 3/30 - 5/1.**

DRAMA**Dramatic Performance (H)**

☎ 7227 DRMA 115A4 (5) ARR ARR WAH 150 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.

Musical Theatre (H)

☎ 7228 DRMA 118A4 (5) 10-10:50am Daily WAH 103 Kreilkamp

The study of musical theatre, its major works, its significance in theatre history, and role in American culture with an emphasis on production elements and the play in performance.

Contemporary World Theatre (AE)

☎ 7230 DRMA 205AP1 (3) CANCELED Kreilkamp

Introduces contemporary world theatre using the theatrical productions of the Pacific NW regional theatres and the Broadway theatres of NY City. Travel to and study these productions. Visits to additional cultural events/locales will be included.

Improvisational Theatre

8287 DRMA 215A4 (3) 1-2:15pm TTh WAH 150 Kreilkamp

An introduction to the theories, methods, and processes of improvisational theatre. Students will apply what they learn and perform an improvised piece of theatre at the end of the quarter for the public.

ECONOMICS**Microeconomics (SS)**

☎ 7243 ECON& 201A4 (5) 12-12:50pm Daily WSC 110 Rodriguez

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

Macroeconomics (SS)

☎ 7244 ECON& 202A4 (5) 9-9:50am Daily WSC 213 Rodriguez

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

EDUCATION**Guiding Behavior**

☎ 7254 EDUC& 130AW1 (3) Online Price

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. **Class meets 4/9 - 6/17.**

School Age Care

☎ 8125 EDUC& 136AW1 (3) Online Staff

Gain skills to provide developmentally appropriate and culturally relevant activities and care for school-age children. Focus is on preparing the environment, implementing curriculum, building relationships, guiding academic/social skill development, and community outreach. **Class meets 4/9 - 6/17.**

Intro to Education

☎ 8353 EDUC& 201AP1 (3) Online Spain

Explore the role of education in our society and investigate teaching as a career. Both the historical perspective and current trends in education will be discussed.

Intro to Ed w/Field Experience

☎ 7256 EDUC& 205AP1 (5) CANCELED Spain

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. This course requires 30 hours in K-12 classrooms, background check. Lab fee \$18.19.

EDUCATION-EARLY CHILDHOOD**Health/Safety/Nutrition**

☎ 7236 ECED& 107A3 (5) 3-5:30pm M WSC 108 Spain

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

Family Child Care

☎ 8124 ECED& 134AW1 (3) Online Staff

Learn the basics of home/family child care program management. Topics include licensing requirements; business management, relationship building, health, safety, and nutrition, guiding behavior and promoting growth and development. **Class meets 4/9 - 6/17.**

Admin Early Lrng Prog

☎ 7238 ECED& 139AW1 (3) Online Staff

Establish administrative skills required to develop, open, operate, manage, and assess early childhood education and care programs. Explore techniques and resources available that meet Washington State licensing and NAEYC standards. **Class meets 4/9 - 6/17.**

Curriculum Development

☎ 7239 ECED& 160A4 (5) 2-4:10pm TTh WSC 213 Kirkpatrick
2-4:10pm TTh WAH 108 Keahey

Investigate learning theory, program planning, tools and methods for curriculum development promoting language, fine/gross motor, social-emotional, cognitive and creative skills and growth in children birth through age 8 utilizing developmentally appropriate and culturally responsive practice. Lab fee \$20.

Lang/Literacy Develop

☞ 7241 ECED& 180N4 (3)	5-7:30pm	W	TAC 122	Spain
	5-7:30pm	W	TAC 338	Kirkpatrick
	5-7:30pm	W	TAC 340	

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.

ECE Practicum 2

☞ 7234 ECED 233A4 (5)	6-7:30pm	M	HFL	Spain
-----------------------	----------	---	-----	-------

Develop a professional understanding of teaching methods and practices with an opportunity to evaluate teaching skills and learning environment. Must have completed at least 30 credits in ECE or have instructor permission. This course requires 60 hours in an approved early learning site, background check, TB test and proof of MMR. Lab fee \$18.19.

ELECTRONICS/ROBOTICS**Adv AC/DC Electronics**

7315 ERA 117A (4)	10-10:50am	Daily	TAC 331	Kelley
-------------------	------------	-------	---------	--------

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. Lab fee \$67.

Solid State Devices

☞ 7316 ERA 170A3 (4)	9-9:50am	Daily	TAC 331	Steidel
	+1 hour/week TBA			

Applications 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. Lab fee \$25.

Robotic Controllers

☞ 8358 ERA 230AP1 (4)	Online			Kelley
-----------------------	--------	--	--	--------

Introduction to robotic control systems and input/output processing. Platforms studied will include microcontrollers, computer numerically controlled (CNC) machines, various types of motor drive controllers and integration of input devices and sensors into algorithms to drive outputs. Prerequisite: TMATH 122 or equivalent.

Communication Systems

☞ 7317 ERA 235A4 (3)	9-9:50am	MTWTh	TAC 332	Kelley
----------------------	----------	-------	---------	--------

Survey of communication systems used in electronics. Wired systems will include Serial, Parallel, Ethernet, fiber optic, industrial communication protocols and others. Wireless systems will include RF, IR, Bluetooth and wi-fi including basic applications in robotics. Lab fee \$50.25.

Robotics Capstone

7318 ERA 276A (3)	11-11:50am	MTWTh	TAC 332	Steidel
-------------------	------------	-------	---------	---------

Class will cover project management through research and product development. Students will be required to supply project proposals, plans, budgets, structured updates and technical reports. Effective time management, communication and team dynamics will be emphasized. Prerequisite: instructor permission.

ENERGY TECHNOLOGY**Electric Utility Distribution System**

☞ 7538 PPO 103A3 (5)	2-4:20pm	M	TAC 338	Crawford
	+2.5 hours/week TBA			

Continuing coverage of power systems, boilers and prime movers. Prerequisite: PPO 102.

Industrial Safety

☞ 7539 PPO 130A3 (5)	1-3:20pm	W	TAC 338	Crawford
	+2.5 hours/week TBA			

Industrial safety practices, procedures, and equipment as found in modern power plants. Also included will be basic first aid and CPR, and basic fire fighting equipment and procedures. Basic Rigging will be taught stressing safety. Prerequisite: PPO 102.

Plant Operations Refrigeration & HVAC

☞ 7540 PPO 203AT3 (5)	1-4:50pm	T	TAC 338	Steidel
-----------------------	----------	---	---------	---------

Provides a background in power plant operations and controls. Prerequisite: PPO 202.

ENGINEERING**Engineering Graphics I**

8284 ENGR& 111A (2)	1-3:50pm	F	WAH 211	Hitch
---------------------	----------	---	---------	-------

Introduces the basic concepts of engineering graphics through free-hand sketching and computer-aided drafting. Includes orthographic projection, section and auxiliary views, dimensioning and text.

Electrical Circuits (AE)

7312 ENGR& 204A (5)	10-10:50am	MTWTh	WSC 108	Threapleton
	1-2:50pm	F	WSC 106	Threapleton

An introduction to basic electrical circuits and systems. Topics include: basic analysis techniques; nodal and mesh analysis; Thevenin and Norton equivalent circuits; operational amplifiers; step, natural and steady state circuit response. Concurrent enrollment in MATH 212 is recommended. Prerequisite: MATH& 152 and PHYS& 222.

Statics (AE)

7313 ENGR& 214A (5)	12-12:50pm	Daily	WSC 108	Threapleton
---------------------	------------	-------	---------	-------------

First of a three-course sequence. The basic principles of vector statics; friction, analytical and graphical methods of solving force systems including frames, trusses, and other simple mechanisms; centroids and moments of inertia; chains and cables. Corequisite: MATH& 151.

Research in Engineering (AE)

7310 ENGR 270A (12)	ARR	ARR	ARR	Threapleton
---------------------	-----	-----	-----	-------------

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

ENGLISH**Spelling**

7273 ENGL 094N (1-5)	5-7:20pm	TTh	WSC 111	Shriver
----------------------	----------	-----	---------	---------

Topics covered in this course include basic spelling patterns, commonly confused words, apostrophe use, capitalization, plural formation, and how pronunciation helps to improve spelling. Students utilize materials according to pretesting information.

Vocabulary Development I

7275 ENGL 095N (1-5)	5-7:20pm	TTh	WSC 111	Shriver
----------------------	----------	-----	---------	---------

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

Writing & Grammar Review

7279 ENGL 098A (1-5)	10-10:50am	Daily	MSG 115	Shriver
7280 ENGL 098N (1-5)	5-7:20pm	TTh	WSC 111	Shriver

☐☞ 7281 ENGL 098R4 (1-5) **CANCELED**

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

Fundamentals of English

7283 ENGL 099B (1-5)	11-11:50am	Daily	WSC 204	Burr
7284 ENGL 099C (1-5)	12-12:50pm	Daily	WSC 215	Shriver
7285 ENGL 099N (1-5)	5-7:20pm	TTh	WSC 111	Shriver
This is a bucket class.				
☐☐7286 ENGL 099R4 (1-5)	CANCELED			

Prepares students for college composition. Students analyze texts, review sentence structure and punctuation, and write several short essays and other writing. Students must meet mandatory placement requirements to enroll.

English Composition I (C)

☐ 7289 ENGL& 101A4 (5)	8-8:50am	Daily	WSC 111	Young
☐ 7290 ENGL& 101B3 (5)	9-9:50am	MTThF	TAC 338	Erickson
+1 hour/week TBA				
☐ 7291 ENGL& 101B3 (5)	10-10:50am	MTWTh	TAC 338	Williams A
+1 hour/week TBA				
☐ 7292 ENGL& 101D3 (5)	11-11:50am	MTThF	TAC 338	Erickson
+1 hour/week TBA				
☐ 7293 ENGL& 101E3 (5)	12-12:50pm	Daily	WAH 115	Waliezer
☐ 7294 ENGL& 101F4 (5)	1-1:50pm	Daily	WSC 206	Knott
☐ 7295 ENGL& 101GP1 (5)	Online			Davidson
☐ 7296 ENGL& 101HP1 (5)	Online			Davidson

An expository writing course encouraging students to think and write clarity and conciseness; to organize and develop their ideas; and to express themselves sharply, economically, and grammatically. Students must meet mandatory placements to enroll. Prerequisite: placement into ENGL& 101 or 5 credits of ENGL 099 or WRT 105 with 2.0+ or BTEC 221. **Section B3 is a linked class with 8120 ENGL 233; students enrolling in either section will be enrolled in both classes.**

Composition II (C)

☐ 7297 ENGL& 102A3 (5)	8-8:50am	Daily	WSC 206	Weil
☐ 7298 ENGL& 102B3 (5)	9-9:50am	MTWTh	WSC 211	Knott
+1 hour/week TBA				
☐ 7299 ENGL& 102C3 (5)	10-10:50am	Daily	WAH 113	Waliezer
☐ 7301 ENGL& 102D3 (5)	11-11:50am	Daily	WAH 113	Waliezer
☐ 7303 ENGL& 102E3 (5)	12-12:50pm	Daily	WSC 206	Weil
☐ 7304 ENGL& 102F3 (5)	12-12:50pm	MTWTh	WSC 211	Knott
+1 hour/week TBA				
☐ 7305 ENGL& 102G3 (5)	1-1:50pm	MTWTh	WSC 108	Young
+1 hour/week TBA				
☐ 7308 ENGL& 102N3 (5)	5-6:50pm	M	WSC 107	Williams A
+3 hours/week TBA				
☐☐ 8263 ENGL& 102R4 (5)	9-11:20am	TTh	MOR 108	Nellis
☐ 7306 ENGL& 102HP1 (5)	Online			Davidson
☐ 7307 ENGL& 102JP1 (5)	Online			Williams M

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.

Women's Literature (D)(H)

☐ 7287 ENGL 160AP1 (5)	Online			Foss
------------------------	--------	--	--	------

Examines literature written by women to understand how gender, class and race shape their experience and their writing. Genres will include poetry, short stories, non-fiction, fiction and drama. College-level reading and writing skills expected.

Intro to Creative Writing (H)

☐ 8121 ENGL 208A3 (5)	12-12:50pm	Daily	WSC 111	Young
-----------------------	------------	-------	---------	-------

Writers will move beyond the traditional "academic essay" into an exploration of literary genres to include poetry, creative nonfiction, short fiction and drama. Prerequisite: college-level writing; test into ENGL& 101.

Screenwriting

☐ 8286 ENGL 222A4 (5)	11-11:50am	Daily	WSC 211	Kreilkamp
-----------------------	------------	-------	---------	-----------

An introduction to the theories, methods, and processes of writing a screenplay. Students will apply what they learn and complete a full-length screenplay at the end of the quarter.

Literature for Children and Adolescents (D) (H)

☐ 8120 ENGL 233A3 (5)	11-11:50am	Daily	WSC 101	Williams A
-----------------------	------------	-------	---------	------------

An examination of the diverse body of literature written for children and adolescents, as well as techniques used to read aloud to children. Classics and contemporary works will be approached chronologically and thematically. Prerequisite: ENGL& 101. This class is linked with 7291 ENGL& 101; students enrolling in either section will be enrolled in both classes.

Science Fiction (H)

☐ 7288 ENGL 251A3 (5)	11-11:50am	Daily	WSC 206	Weil
-----------------------	------------	-------	---------	------

Surveys rise and development of science fiction, focusing on short stories; students may address novels in course projects. Explores common themes: Science fiction as social commentary; technology; war; relationships; race; gender; defining "human." Creative writing options.

Writing in the Workplace

☐ 7585 WRT 105A4 (5)	8-8:50am	Daily	WAH 207	Erickson
☐ 7586 WRT 105BP1 (5)	Online			Williams M

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

ENVIRONMENTAL SCIENCE

Survey of Env Science (NS)

☐ 7314 ENV& 100A3 (5)	10-10:50am	MTWTh	TAC 340	Hutcheon
-----------------------	------------	-------	---------	----------

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

GEOLOGY

Intro Physical Geology (NS)

☐ 7326 GEOL& 101A4 (5)	10-10:50am	MTWTh	WSC 105	Harris
	1-2:50pm	W	WSC 105	Harris
☐ 7327 GEOL& 101B4 (5)	10-10:50am	MTWTh	WSC 105	Harris
	3-4:50pm	W	WSC 105	Harris

Introduces the study of the Earth, fundamental geologic principles, and physical processes acting within and upon the Earth, with an emphasis on mountains, volcanoes, earthquakes, and rock and mineral identification. Field trips(s) required. Includes lab. Lab fee \$28.36.

Earth Surface Processes (NS)

☐ 7321 GEOL 102A4 (5)	11-11:50am	MTWTh	WSC 105	Harris
	1-2:50pm	Th	WSC 105	Harris
☐ 7322 GEOL 102B4 (5)	11-11:50am	MTWTh	WSC 105	Harris
	3-4:50pm	Th	WSC 105	Harris

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

Natural Hazards and Catastrophes (NS)

☞	7323	GEOL	108A4	(5)	9-9:50am	MTWTh	WSC 105	Harris
					1-2:50pm	T	WSC 105	Harris
☞	7324	GEOL	108B4	(5)	9-9:50am	MTWTh	WSC 105	Harris
					3-4:50pm	T	WSC 105	Harris

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

Research in Geology (AE)

	7325	GEOL	270A	(1-12)	ARR	ARR	ARR	Harris
--	------	------	------	--------	-----	-----	-----	--------

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

HEALTH**Women's Health Issues (D)(HF)**

☐☞	7336	HLTH	120RP1	(3)	Online			Jones
----	------	------	--------	-----	--------	--	--	-------

An opportunity to examine current women's health and well-being issues.

Health & Wellness (HF)

☞	7337	HLTH	130A4	(3)	9-9:50am	MWF	MSG 115	Johnson
---	------	------	-------	-----	----------	-----	---------	---------

An exploration of current personal health issues and a presentation of contemporary approaches to obtaining and maintaining a high level of wellness. Lab fee \$3.10.

Exercise & Nutrition (HF)

☞	7339	HLTH	140A4	(3)	12-12:50pm	MWF	MSG 115	Johnson
☞	7340	HLTH	140BP1	(3)	Online			Johnson
☞	8330	HLTH	140CP1	(3)	Online			Johnson

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

Stress Management (HF)

☞	7341	HLTH	143A3	(2)	9-9:50am	TTh	MSG 115	Johnson
☞	7342	HLTH	143BP1	(2)	Online			Johnson
☞	8331	HLTH	143CP1	(2)	Online			Johnson

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

Safety and Fitness (HF)

☞	7345	HLTH	145A4	(3)	8-8:50am	MWF	MSG 106	Johnson
☞	7346	HLTH	145BP1	(3)	Online			McMullan

The course emphasizes the importance of safety, first aid, and exercise as they relate to an individual's level of health and fitness. The course includes the American Heart Association Heartsaver First Aid/CPR and AED certification. Lab fee \$48.25. Online class section includes a required, on-campus lab. **Online students must attend one of the in-person training days. Choose 6/2, 12:30-5pm or 6/4, 1:30-6pm. Classes are held in MSG 106.**

Community First Aid and CPR

	7347	HLTH	154A	(1)	8:30am-4pm	Sa	MSG 106	Layton
	7348	HLTH	154B	(1)	8:30am-4pm	Sa	MSG 106	Layton
☐	8138	HLTH	154R	(1)	CANCELED			

Basic First Aid/CPR/AED class covering critical skills needed to respond to and manage first aid, choking or sudden cardiac arrest emergencies in the first few minutes until emergency medical services (EMS) arrives. Lab fee \$44.23. **Section A meets 3/14; section B meets 4/11; section R meets 4/16-5/14.**

HISTORY**Western Civilization III (SS)**

	7330	HIST&	118A	(5)	10-10:50am	Daily	WSC 204	Peterson
--	------	-------	------	-----	------------	-------	---------	----------

Analysis of the late 19th and 20th centuries with special attention paid to the development of political, social and economic trends and events.

US History I (SS)

☞	7331	HIST&	146AP1	(5)	Online			Mayfield
---	------	-------	--------	-----	--------	--	--	----------

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)

☞	7332	HIST&	147A4	(5)	8-8:50am	Daily	WSC 110	Mayfield
---	------	-------	-------	-----	----------	-------	---------	----------

Analysis of American history from Antebellum Era to the Progressive Era. Emphasis will be on the political, social, and economic changes.

US History III (SS)

	7333	HIST&	148A	(5)	12-12:50pm	Daily	WSC 204	Peterson
--	------	-------	------	-----	------------	-------	---------	----------

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**

☞	7328	H R	110A3	(5)	10-10:50am	MWF	WSC 110	Sampson
					+2 hours/week	TBA		
☞	7329	H R	110B3	(5)	12-1:20pm	TTh	WAH 109	Sampson
					+2 hours/week	TBA		
☞	8107	H R	110CP1	(5)	Online			McClain
☞	8266	H R	110DP1	(5)	Online			McClain
☞	8356	H R	110EP1	(5)	Online			McClain

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

HUMANITIES**Humanities III (H)**

☞	7355	HUM&	118A4	(5)	9-9:50am	Daily	WAH 109	Mitchler
---	------	------	-------	-----	----------	-------	---------	----------

A survey of the major movements in art, architecture, music, philosophy, and literature in a historical context, from 1800 C.E. to the present.

Lyceum VI (AE)

	7352	HUM	286A	(1)	1-1:50pm	W	WAH 103	Bannish
☐	7351	HUM	286R	(1)	1-1:50pm	Th	MOR 108	Schinnell

The Lyceum offers a variety of lectures on topics of current interest across a wide variety of disciplines. The theme may vary from quarter to quarter.

INFORMATION TECHNOLOGY**Intro to Programming**

☞	8293	IT	101A3	(5)	10-10:50am	MTWTh	WAH 216	Allison
---	------	----	-------	-----	------------	-------	---------	---------

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.

Computer Science I C++

☎ 7215 CS& 131AP1 (5) Online Keane

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.

Intro to Windows OS☎ 7356 I T 117A3 (3) 8-8:50am MWF WAH 212 Coleman
☎ 8265 I T 117B4 (3) 1-1:50pm MWF WAH 212 Coleman

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

Web Scripting 1☎ 7357 I T 119A3 (5) 11-11:50am MTWTh WAH 211 Keane
+2 hours/week TBA
☎ 8126 I T 119B3 (5) CANCELED Keane
+2 hours/week TBA

Designed for new web designers who want to develop, modify and design standards compliant web pages and sites using the HTML and CSS Languages. Students will be publishing their work on a web server. Lab fee \$50.

Server OS 1☎ 8127 I T 218A3 (5) 9-9:50am MTWTh WAH 216 Allison
+2 hours/week TBA

This is a first course on server installation, configuration and management. Coverage includes Active Directory fundamentals, DHCP, DNS and the basics of setting up and managing a web server. Prerequisite: IT 123. Lab fee \$50.

JAVA 2☎ 7358 I T 228A3 (5) 10-10:50am MTWTh WAH 211 Keane
+2 hours/week TBA

Second course in the introduction to JAVA programming sequence. These topics include: abstract data structures, lists, stacks, queues, linked lists, maps, recursion, interfaces, encapsulation, serialization, file access, sorting and computational complexity. Prerequisite: IT 224. Lab fee \$25.

Object-Oriented Programming☎ 7360 I T 245A3 (4) 1-2:50pm MW WAH 211 Keane
+1 hour/week TBA

An intermediate level course in object-oriented programming. Course covers creating classes from requirement documents, modeling using diagrams, object-relationship analysis, object reuse and good software design. Experience with one or more computer programming languages recommended. Lab fee \$50.

INTENSIVE ENGLISH PROGRAM**Comprehension Language 1**

☎ 7368 IEP 070A4 (1-9) 1-2:50pm Daily MSG 106 Lovelett

Students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses. Prerequisite: Official Language Test score or Accuplacer score.

Communicative Language 1

☎ 7369 IEP 071A4 (9) 9-10:50am Daily MSG 106 Burr

Students will develop speaking, grammar, and composition skills needed to succeed in subsequent liberal arts and technical/occupational courses. Prerequisite: Official Language Test score or Accuplacer score. Lab fee \$20.

Comprehensive Language 2

☎ 7370 IEP 072A4 (1-9) 1-2:50pm Daily MSG 106 Lovelett

Students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses. Prerequisite: Official Language Test score or Accuplacer score.

Communicative Language 2

☎ 7371 IEP 073A4 (9) 9-10:50am Daily MSG 106 Burr

Students will develop speaking, grammar, and composition skills needed to succeed in subsequent liberal arts and technical/occupational courses. Prerequisite: Official Language Test score or Accuplacer score. Lab fee \$20.

Comprehension Language 3

☎ 7372 IEP 074A4 (1-9) 1-2:50pm Daily MSG 106 Lovelett

Students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses. Prerequisite: Official Language Test score or Accuplacer score.

Communicative Language 3

☎ 7373 IEP 075A4 (9) 9-10:50am Daily MSG 106 Burr

Students will develop speaking, grammar, and composition skills needed to succeed in subsequent liberal arts and technical/occupational courses. Prerequisite: Official Language Test score or Accuplacer score. Lab fee \$20.

Comprehension Language 4

☎ 7374 IEP 076A4 (1-9) 1-2:50pm Daily MSG 106 Lovelett

Students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses. Prerequisite: Official Language Test score or Accuplacer score.

Communicative Language 4

☎ 7375 IEP 077A4 (9) 9-10:50am Daily MSG 106 Burr

Students will develop speaking, grammar, and composition skills needed to succeed in subsequent liberal arts and technical/occupational courses. Prerequisite: Official Language Test score or Accuplacer score. Lab fee \$44.95.

MATHEMATICS**Basic Mathematics**☎ 7389 MATH 095A4 (1-5) 10-10:50am Daily TSB 001 Keahey
☎ 7390 MATH 095N4 (1-5) 7:30-8:50pm MTWTh TSB 001 Keahey
☎ 7391 MATH 095S4 (1-5) 4:30-6:50pm MW MOR 112 Winkler

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

Pre-Algebra

☞ 7392 MATH 096A4 (1-5) 7-7:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7393 MATH 096B4 (1-5) 8-8:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 8133 MATH 096C4 (1-5) 10-10:50am Daily WAH 212 Brosz
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7395 MATH 096D4 (1-5) 11-11:50am Daily TSB 001 Brosz
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7396 MATH 096E4 (1-5) 1-1:50pm Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7394 MATH 096F4 **CANCELED** Ziegler
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7397 MATH 096N4 (1-5) 4:30-6:50pm MW LIB 112 Palkowski
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7398 MATH 096S4 (1-5) 4:30-6:50pm MW MOR 112 Winkler
Covers percents, proportions, unit conversions, geometry, simplifying algebraic expressions and solving simple first degree linear equations. Prerequisite: MATH 095 or appropriate test score placement.

Algebra for Statistics

☞ 7399 MATH 097A4 (5) 9-9:50am Daily WSC 110 Brosz
An algebra course for students intending to enroll in MATH& 146 Introduction to Stats. This course does not meet the algebra prerequisite for other quantitative skills courses or for transfer to the University of Washington. Prerequisite: MATH 096 or Compass score of 78+.

Algebra I

☞ 7400 MATH 098A4 (1-5) 7-7:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7401 MATH 098B4 (1-5) 8-8:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 8134 MATH 098C4 (1-5) 10-10:50am Daily WAH 212 Brosz
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7403 MATH 098D4 (1-5) 11-11:50am Daily TSB 001 Brosz
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7404 MATH 098E4 (1-5) 1-1:50pm Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7402 MATH 098F4 (1-5) **CANCELED** Ziegler
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7406 MATH 098N4 (1-5) 4:30-6:50pm MW LIB 112 Palkowski
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7407 MATH 098S4 (1-5) 4:30-6:50pm MW MOR 112 Winkler
☞ 7405 MATH 098FP1 (1-5) Online Ziegler

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

Algebra II

☞ 7408 MATH 099A4 (1-5) 7-7:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7409 MATH 099B4 (1-5) 8-8:50am Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 8135 MATH 099C4 (1-5) 10-10:50am Daily WAH 212 Brosz
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7411 MATH 099D4 (1-5) 11-11:50am Daily TSB 001 Brosz
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7412 MATH 099E4 (1-5) 1-1:50pm Daily TSB 001 Spitzer
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7410 MATH 099F4 (1-5) **CANCELED** Ziegler
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7414 MATH 099N4 (1-5) 4:30-6:50pm MW LIB 112 Palkowski
Students enrolling in this section have the opportunity to complete MATH 096, 098, 099 in one quarter.

☞ 7415 MATH 099S4 (1-5) 4:30-6:50pm MW MOR 112 Winkler
☞ 7413 MATH 099FP1 (1-5) Online Ziegler

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

Math in Society (M)

☞ 7421 MATH& 107A4 (5) 1-1:50pm Daily WSC 208 Griffith
☞ 7422 MATH& 107BP1 (5) Online Ziegler
☞ 8355 MATH& 107DP1 (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.

Discrete Structures (M)

☞ 7416 MATH 128A4 (5) 10-10:50am Daily WSC 107 Adams

This class is designed to introduce mathematical concepts and applications in computer science. Topics include logic, permutations and combinations, graphs and trees, recursion, and basic modular arithmetic. Prerequisite: MATH 099 or instructor permission.

Math for Elem Educ 2 (M)

☞ 7424 MATH& 132A4 (5) 1-3:20pm MW WSC 211 Ziegler

The second of two courses designed to provide the conceptual framework for teaching mathematics from kindergarten through eighth grade. Prerequisite: MATH& 131.

Pre-calc 1 Seminar

☞ 8122 MATH 140A4 (1) 7-7:50am MTThF WSC 107 Adams

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

Pre-Calculus I (M)

☞ 7425 MATH& 141A4 (5) 8-8:50am Daily WSC 107 Adams

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

Pre-Calculus II (M)

☎ 7426 MATH& 142A4 (5) 11-11:50am Daily WSC 109 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.

Statistics Prep Seminar

☎ 7417 MATH 145A3 (1) 11-11:50am MTWTh WSC 213 Kiekel

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

Class meets 3/30 - 4/23.

Introduction to Stats (M)

☎ 7428 MATH& 146A4 (5) 12-12:50pm Daily WSC 213 Kiekel

☎ 7429 MATH& 146B4 (5) 1-1:50pm Daily WSC 213 Kiekel

☎ 7430 MATH& 146CP1 (5) Online Kiekel

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

Calculus I (M)

☎ 7432 MATH& 151A4 (5) 8-8:50am Daily WSC 213 Kiekel

☎ 7433 MATH& 151BP1 (5) Online Taylor

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

Calculus II (M)

☎ 7434 MATH& 152A4 (5) 9-9:50am Daily WSC 107 Adams

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.

Elementary Differential Equations (AE)

☎ 7418 MATH 212A4 (5) 11-11:50am Daily WSC 108 Taylor

Linear ordinary differential equations with emphasis on supporting concepts of differential operators, Wronskians, characteristic polynomials, homogeneous and nonhomogeneous cases, variation of parameters, undetermined coefficients. Solution of IVP by Laplace transforms and power series method. Prerequisite: MATH& 163.

Calculus IV (AE)

☎ 7419 MATH 264A4 (3) 1-2:20pm TTh WSC 110 Taylor

Fourth in a four-quarter sequence. Optimization of 2 and 3 variable functions, Lagrange Multipliers, applications and techniques of multiple integration, Green's Theorem, Stokes Theorem, and line and surface integrals. Prerequisite: MATH& 163 or its equivalent.

MECHATRONICS**Electrohydraulics**

☎ 7435 MEC 154A4 (4) CANCELED Staff

Fluid power transfer and electrohydraulic fluid systems. Components studied will include pipes and hoses, pressure regulators, pressure and flow sensors, and electrical control systems. Heavy emphasis on troubleshooting. Prerequisite: MEC 153. Lab fee \$67.

Industrial Robotics

☎ 7438 MEC 270A4 (5) 11-11:50am MWF TAC 333 Kelley

1-2:50pm MW TAC 333 Kelley

☎ 8246 MEC 270B4 (5) 11-11:50am MWF TAC 133 Kelley

11am-12:50pm TTh TAC 133 Kelley

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.

MEDIA STUDIES**Sports Announcing for Baseball**

☎ 7381 M ST 128A4 (1) 2-2:50pm W WAH 140 Fisher

Learn and apply the basic skills and knowledge required of today's baseball announcers. This course will emphasize practical tips, ideas and theories that will help you on your way to becoming a quality baseball announcer.

Intro to Broadcast News (H)

☎ 7382 M ST 220A4 (5) 12-12:50pm Daily WAH 103 Fisher

12-12:50pm Daily WAH 140 Fisher

Learn basic media news writing, produce and broadcast news and feature stories on both radio and television. Some media production techniques will be covered during the quarter. Lab fee \$15.

Screenwriting

8285 M ST 222A4 (5) 11-11:50am Daily WSC 211 Kreilkamp

An introduction to the theories, methods, and processes of writing a screenplay. Students will apply what they learn and complete a full-length screenplay at the end of the quarter.

Television Production

☎ 7383 M ST 262A4 (5) 1-2:50pm TTh WAH 115 Fisher

1-1:50pm MWF WAH 115 Fisher

Students will write, direct, produce and edit video packages and participate as crew members in producing classmate's video projects. Lab fee \$17.94.

Radio Broadcasting Internship

☎ 7384 M ST 271A4 (1) ARR ARR WAH 140 Fisher

☎ 7385 M ST 272A4 (2) ARR ARR WAH 140 Fisher

☎ 7386 M ST 273A4 (3) ARR ARR WAH 140 Fisher

☎ 7387 M ST 274A4 (4) ARR ARR WAH 140 Fisher

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

TV Broadcasting Internship

☎ 7388 M ST 281A4 (1) 1-2:50pm T WAH 115 Fisher

Designed for students who wish to produce independent video projects outside of the classroom environment. Permission of instructor required. Prerequisite: MST 260, 261, 262.

MEDICAL ASSISTANT**Medical Math**

7376 MA 130A (5) 10-10:50am Daily WSC 111 Steidel

A mathematics course that focuses on solving applications using percent, proportion, and unit conversion as well as descriptive data interpretation. Satisfies the math requirement for Medical Assistant AAS. Prerequisite: MATH 096 or equivalent.

MA Medical Terminology

8289 MA 139A (5) 9-9:50am MTWTh WAH 146 Boerner

A required class for all students enrolled in the Medical Assistant Program to develop a medical vocabulary from an anatomy, physiology, and pathology format. It is suitable for others entering medical-related fields. Lab fee \$5.

Intro to Medical Assistant

8288 MA 140A (5) 7-7:50am Daily WAH 146 Jenkins
 ☐☯8256 MA 140R3 (5) 12-1:30pm MTTh MOR 101 Jones
 +1/2 hour/week TBA

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

MA Electrocardiography

7377 MA 208A (2) ARR ARR ARR Layton

Electrocardiography (ECG) for the medical assistant student; including anatomy of the heart and the cardiac cycle, ECG applications and methods for testing in ambulatory care. Lab fee \$15.

MA Clinical Procedure II

☯ 7378 MA 243A3 (6) 10-11:50am Daily WAH 146 Boerner

Surgical setup for clinical/office procedures explored in detail; review of the role of diagnostic imaging, rehabilitation, and nutrition in the interdisciplinary approach of patient care. Prerequisite: MA 242, MA 246 with a 2.5 GPA or higher. Lab fee \$40. **Class meets 3/30 - 5/1.**

MA Externship Seminar

☯ 7379 MA 244AP1 (1) Online Boerner

This class allows the medical assistant extern to explore objectives and challenges in bridging their classroom/lab experiences to the experiences they are encountering in their externships. Prerequisite: MA 242, MA 246 with a 2.5 GPA or higher.

MA Clinical Externship

☯ 7380 MA 245A4 (6) ARR ARR ARR Boerner

One hundred eighty unpaid hours of externship in an ambulatory health care setting that allows the medical assistant student to bridge their classroom education and lab training to the real world medical setting. Prerequisite: MA 242, MA 246 with a 2.5 GPA or higher. Lab fee \$17.35. **Class meets 5/4 - 6/12.**

MUSIC

Fundamentals of Music (H)

7445 MUSC 100A (5) 9-9:50am Daily WAH 125 Odonel

Introduction to the elements of music theory, including scales, intervals, keys, triads, elementary ear training, notation, meter and rhythm.

Music Appreciation (D)(H)

7493 MUSC& 105A (5) 8-8:50am Daily WAH 103 Odonel
 ☯ 7494 MUSC& 105BP1 (5) Online May

Developing an understanding of music through the study of musical elements and cultural contexts.

Musical Theatre (H)

☯ 7446 MUSC 118A4 (5) 10-10:50am Daily WAH 103 Kreilkamp

The study of musical theatre, its major works, its significance in theatre history, and role in American culture with an emphasis on production elements and the play in performance.

Jazz Ensemble I - VI (AE)

7447 MUSC	124N	(2)	6-8:30pm	W	WAH 150	Blaser
			ARR	W	WAH 150	Blaser
7448 MUSC	125N	(2)	6-8:30pm	W	WAH 150	Blaser
			ARR	W	WAH 150	Blaser
7449 MUSC	126N	(2)	6-8:30pm	W	WAH 150	Blaser
			ARR	W	WAH 150	Blaser
7450 MUSC	127N	(2)	6-8:30pm	W	WAH 150	Blaser
			ARR	W	WAH 150	Blaser
7451 MUSC	128N	(2)	6-8:30pm	W	WAH 150	Blaser
			ARR	W	WAH 150	Blaser
7452 MUSC	129N	(2)	6-8:30pm	W	WAH 150	Blaser
			ARR	W	WAH 150	Blaser

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

Beginning Guitar (AE)

7453 MUSC 135A (2) **CANCELED** Tillinghast

Presents the basic skills for reading and techniques needed to play the guitar. Intended for students with little or no background in guitar performance. Students must supply their own acoustic guitar.

History of American Music (D)(H)

☯ 7454 MUSC 140AP1 (5) Online May/Walker

This course offers students a thorough and general study of American Music from Tin Pan Alley to the first part of the 21st Century.

Music Theory III (H)

☯ 7495 MUSC& 143A4 (5) 10-10:50am Daily WAH 125 May

A study of musical concepts, such as dominant substitutions, voice leading chords, secondary dominants, motives, and phrase structures. Prerequisite: MUSC& 142.

Concert Choir I - VI (AE)

7455 MUSC	144N	(2)	6:30-9pm	Th	WAH 103Jardine-Tobin
7456 MUSC	145N	(2)	6:30-9pm	Th	WAH 103Jardine-Tobin
7457 MUSC	146N	(2)	6:30-9pm	Th	WAH 103Jardine-Tobin
7458 MUSC	147N	(2)	6:30-9pm	Th	WAH 103Jardine-Tobin
7459 MUSC	148N	(2)	6:30-9pm	Th	WAH 103Jardine-Tobin
7460 MUSC	149N	(2)	6:30-9pm	Th	WAH 103Jardine-Tobin

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 III (AE)

7462 MUSC 153A (1) **CANCELED** Tillinghast

Functional piano study/skill for music majors. A practical course to accompany the music theory courses. Corequisite: simultaneous enrollment in music theory class; prerequisite: MUSC 152 or instructor permission. Audition required.

Applied Flute (AE)

7461 MUSC 150A (1) ARR ARR ARR Odonel

Applied French Horn (AE)

7463 MUSC 154A (1) ARR ARR ARR Blaser

Applied Trumpet (AE)

7464 MUSC 155A (1) ARR ARR ARR Blaser

Applied Tuba (AE)

7465 MUSC 157A (1) ARR ARR ARR Blaser

Applied Euphonium (AE)

7466 MUSC 158A (1) ARR ARR ARR Blaser

Applied Percussion (AE)

7467 MUSC 159A (1) ARR ARR ARR Blaser

Applied Piano (AE)

☾ 7468 MUSC 160A4 (1) ARR ARR ARR May

Applied Violin (AE)

7469 MUSC 161A (1) ARR ARR ARR Scarborough

Applied Viola (AE)

7470 MUSC 162A (1) ARR ARR ARR Scarborough

Applied Cello (AE)

7471 MUSC 163A (1) ARR ARR ARR Staff

Applied Double Bass (AE)

7472 MUSC 164A (1) ARR ARR ARR Staff

Applied Guitar (AE)

7473 MUSC 165A (1) ARR ARR ARR Blaser

Applied Saxophone (AE)

7474 MUSC 166A (1) ARR ARR ARR Blaser

Applied Voice (AE)

7475 MUSC 167A (1) CANCELED Colgan
8249 MUSC 167B (1) ARR ARR ARR Jardine-Tobin

Applied Composition (AE)

☾ 7476 MUSC 168A4 (1) ARR ARR ARR May

Applied Clarinet (AE)

7477 MUSC 169A (1) ARR ARR ARR Blaser

Applied Oboe (AE)

7478 MUSC 170A (1) ARR ARR ARR Blaser

Applied Bassoon (AE)

7479 MUSC 171A (1) ARR ARR ARR Staff

Applied Harp (AE)

7480 MUSC 172A (1) ARR ARR ARR Scott

Teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor permission and/or audition required. Corequisite: ensemble and/or music theory. Lab fee \$300.

Community Band I - VI (AE)

7481	MUSC	175N	(2)	7-9pm	T	WAH 150	Blaser
				ARR	T	WAH 150	Blaser
7482	MUSC	176N	(2)	7-9pm	T	WAH 150	Blaser
				ARR	T	WAH 150	Blaser
7483	MUSC	177N	(2)	7-9pm	T	WAH 150	Blaser
				ARR	T	WAH 150	Blaser
7484	MUSC	178N	(2)	7-9pm	T	WAH 150	Blaser
				ARR	T	WAH 150	Blaser
7485	MUSC	179N	(2)	7-9pm	T	WAH 150	Blaser
				ARR	T	WAH 150	Blaser
7486	MUSC	180N	(2)	7-9pm	T	WAH 150	Blaser
				ARR	T	WAH 150	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)

7487	MUSC	185N	(2)	7-9pm	M	WAH 150	Friedlander
				ARR	M	WAH 150	Friedlander
7488	MUSC	186N	(2)	7-9pm	M	WAH 150	Friedlander
				ARR	M	WAH 150	Friedlander
7489	MUSC	187N	(2)	7-9pm	M	WAH 150	Friedlander
				ARR	M	WAH 150	Friedlander
7490	MUSC	188N	(2)	7-9pm	M	WAH 150	Friedlander
				ARR	M	WAH 150	Friedlander
7491	MUSC	189N	(2)	7-9pm	M	WAH 150	Friedlander
				ARR	M	WAH 150	Friedlander
7492	MUSC	190N	(2)	7-9pm	M	WAH 150	Friedlander
				ARR	M	WAH 150	Friedlander

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

NURSING

Common Alterations II

☾ 7497 NURS 103A4 (12) ARR Daily WSC 202Team Taught
Progressive competencies reflecting program themes are applied to surgical, neurologic, musculoskeletal, renal, and gastrointestinal nursing care. On-campus theory and skills labs and off-campus acute care clinical experiences are provided. Prerequisite: NURS 101, 102 or equivalent. Lab fee \$33.82.

Complex Management

☾ 7498 NURS 203A4 (8) ARR Daily WSC 202Team Taught
Progressive competencies reflecting program themes are applied to the care of clients with complex alterations in health. Community-based and acute care inpatient clinical opportunities are provided at regional facilities. Prerequisite: NURS 201, NURS 202 and NURS 220 or equivalents, concurrent NURS 222. Lab fee \$42.95.

Transition to Practice

☾ 7499 NURS 222A4 (4) ARR Daily WSC 203Team Taught
Preceptor-guided experiences in a variety of community health care organizations are provided. Community-based and personal professional development projects are assigned. Prerequisite: NURS 201, NURS 202, NURS 220; corequisite: NURS 203 or equivalent. Lab fee \$46.95.

NURSING ASSISTANT

Nursing Assistant Certification

☾ 7335	HLSV	131A4	(9)	8am-12pm	MTWTh	TEC 115	Speer
				5:45am-12pm	ARR	SCC	Speer
☾ 8130	HLSV	131B4	(9)	1-5pm	MTWTh	TEC 115	Dibble
				12:45-7pm	ARR	SCC	Dibble

Awareness of the role of the nursing assistant in nursing care and skill development. Topics: maintain a safe environment, provide restorative care, communication, and practice basic concepts of care. Background check is required for clinical. Lab fee \$191.85.

Mental Health 1

8337 HLSV 133A (1) ARR Sa ARR Speer
Course identifies types of mental illness and common signs and symptoms. Learn capable caregiving for mental wellness. A DSHS curriculum that meets population specific training requirements. Lab fee \$15. **Class meets 4/18.**

Dementia 1

8338 HLSV 134A (1) ARR Sa ARR Speer

Learn how dementia affects a person's body and mind. This basic understanding is the foundation on which to build skills needed to provide the best care for people with dementia.

Lab fee \$15. **Class meets 4/18.**

NUTRITION**Nutrition (NS)**

☞ 7500 NUTR& 101A4 (5) **CANCELED** Staff
 ☞ 7501 NUTR& 101BP1 (5) Online Hutcheon
 ☞ 7502 NUTR& 101CP1 (5) Online Hutcheon

An exploration of human nutrition with an emphasis on metabolism, digestion, dietary planning and analysis, and weight control. Prerequisite: HS biology or chemistry.

OCEANOGRAPHY**Intro to Oceanography (NS)**

☞ 7503 OCEA& 101AP1 (5) Online Khandro

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

PHILOSOPHY**Intro to Philosophy (H)**

☞ 7531 PHIL& 101AP1 (5) Online Diamant

Investigate the assumptions philosophers have made about reality, knowledge, truth, God, morality, social construction, freedom, and paternalism.

Introduction to Ethics (H)

☞ 7530 PHIL 103AP1 (5) Online Diamant

Focus on choices made in concrete circumstances. Study traditional ethical theories and present-day moral dilemmas.

PHLEBOTOMY**Intro to Phlebotomy Tech**

8290 PHLE 131A (5) 12-2:20pm MTWTh WAH 146 Boerner

Overview of laboratory procedures and regulations for the medical office laboratory. Prerequisite: healthcare provider license, MA, RN, NA-C or instructor permission. Lab fee \$49.62. **Class meets 3/30 - 5/1.**

Advanced Phlebotomy

8291 PHLE 132A (8) 11am-2:20pm MTWTh WAH 146 Boerner
 ☞ 7532 PHLE 132N (8) 6-9pm MTWTh WAH 146 Jenkins

Expansion of phlebotomy skills introduced in PHLE 131. This course will offer lecture and lab sessions with emphasis on hands on practice and dexterity for successful and safe venipuncture. Prerequisite: PHLE 131 with a 2.5 GPA or higher. Lab fee \$53.16.

PHYSICAL EDUCATION**Soccer Fundamentals**

7504 P E 108A (1) **CANCELED**

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

Physical Fitness (HF)

☞ 7505 P E 110R4 (1) **CANCELED**

Study all five areas of fitness: aerobic endurance, muscle strength, muscle endurance, flexibility, and body composition. Students work at their own fitness levels. Lab fee \$3.10.

Lifestyle Mgmt & Exercise (HF)

☞ 7507 P E 120A3 (2) 9-9:50am MW MSG 125 Goss

Designed to assist individual in making life style changes associated with health and fitness. Lab fee \$3.10.

Stretching & Flexibility (HF)

☞ 7508 P E 121A4 (1) 12-12:50pm TTh MSG 200 Johnson

Learn and perform safe stretches to increase flexibility and range of motion. Understand how stretching can help decrease injury, recover after other workouts and calm the mind and body. Lab fee \$3.10.

Basic Weight Training/Conditioning (HF)

☞ 7509 P E 123A4 (1) 10-10:50am MW MSG 125 Goss

Designed to condition the musculature of the body using machine and free weights. Lab fee \$3.10.

Free Weights (HF)

7510 P E 125A (1) 10-10:50am TTh MSG 130 Bower

Designed to develop muscle fitness through lifting free weights, Olympic lifts, plyometrics and power lifting. Students need prior weight training experience. Lab fee \$3.10.

Baseball Application I

7511 P E 131A (3) **CANCELED**

Learn the techniques and strategies in a practice or game situation with an emphasis on fundamentals, conditioning, team concept and sportsmanship. Lab fee \$18.75.

Cardio Conditioning (HF)

☞ 7512 P E 142A4 (1) 10-10:50am TTh MSG 103 Goss

A combination of current cardio experiences to improve cardiovascular endurance, body composition, muscle fitness and flexibility. A variety of movements will be explored, including step aerobics, kick boxing, HIIT, Zumba and circuits. Lab fee \$3.10.

Yoga (HF)

☞ 7513 P E 150A4 (1) 9-9:50am TTh MSG 200 Goss
 ☞ 7514 P E 150N4 (1) 6-6:50pm TTh MSG 200 Goss

An exercise class integrating components of flexibility, muscular strength and endurance, and relaxation. Students will be encouraged to work at their own level of fitness. Lab fee \$3.10.

Pilates/Core (HF)

☞ 7515 P E 152A4 (1) 11-11:50am MW MSG 200 May
 ☞ 7516 P E 152B4 (1) 4-4:50pm MW MSG 200 May
 ☞ 7517 P E 152R3 (1) 4:30-5:30pm Th MOR 101 Johnson
 +1 hour/week TBA

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)

7519 P E 158N (2) 6-8pm MW MSG 200 Newkirk

Develop balance, coordination, agility, spatial awareness, strength, and flexibility through the Korean art of Tae Kwon Do. Students will work at their own level of fitness. Lab fee \$3.10.

Intermediate Tae Kwon Do

7520 P E 159N (2) 6-8pm MW MSG 200 Newkirk

Further development of the techniques, forms, the sport, and self defense aspects required to advance to blue belt in the Korean martial art of Tae Kwon Do. Lab fee \$3.10.

Advanced Tae Kwon Do

7521 P E 160N (2) 6-8pm MW MSG 200 Newkirk

Further development of the techniques, forms, the sport, and self defense aspects required to advance to blue and orange belt in the Korean martial art of Tae Kwon Do. Lab fee \$3.10.

Softball Applications I7522 P E 165A (3) **CANCELED**

Learn how to apply the fundamentals of softball in game like situations. Lab fee \$3.10.

Lifetime Fitness (HF)☎ 7523 P E 168A3 (2) 10-10:50am F **WSC 108** 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.

Adv Soccer Fundamentals7524 P E 208A (1) **CANCELED**

This course will review basic skills and techniques of soccer. Included in the course will be advanced skills and techniques along with game strategies, team offense and team defense. Prerequisite: PE 108 or instructor permission. Lab fee \$3.10.

Advanced Physical Fitness (HF)☐☎ 7525 P E 210R4 (1) **CANCELED**

Designed to continue the individual's personal health-related physical fitness - cardiovascular endurance, muscular strength, muscular endurance, body composition and flexibility. Students will be encouraged to work at their own level of fitness. Prerequisite: PE 110 or instructor permission. Lab fee \$3.10.

Physical Fitness Concepts (HF)

☎ 7527 P E 229AP1 (3) Online Johnson C

A combination of theory and practice in the development of physical fitness. Two lecture hours and two activity hours per week.

Baseball Application II7528 P E 231A (3) **CANCELED**

Learn advanced techniques and strategies in a practice or game situation with an advanced emphasis on fundamentals, conditioning, team concept and sportsmanship. Prerequisite: PE 131 or instructor permission. Lab fee \$18.75.

Softball Applications II7529 P E 265A (3) **CANCELED**

Learn how to apply the advanced techniques of softball in game-like situations. Prerequisite: PE 165 or instructor permission. Lab fee \$3.10.

PHYSICS**Engineering Physics III (NS)**7534 PHYS& 223A (5) 8-8:50am MTWTh WSC 108 Threapleton
1-2:50pm M WSC 106 Threapleton

Optics modern physics, electricity and magnetism. Includes geometrical and physical optics, Maxwell's equations, AC/DC circuits and special relativity. Prerequisite: PHYS& 222 and MATH& 153. Lab fee \$19.22.

Research in Physics (AE)

7533 PHYS 270A (12) ARR ARR ARR Threapleton

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

POLITICAL SCIENCE**American Government (SS)**

7535 POLS& 202A (5) 9-9:50am Daily WSC 204 Peterson

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

Comparative Government (D)(SS)

☎ 7537 POLS& 204AP1 (5) Online McCulloch

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

PSYCHOLOGY**General Psychology (SS)**

☎ 7544 PSYC& 100A4 (5) 8-8:50am Daily WSC 215 Starroff
☎ 7545 PSYC& 100B4 (5) 9-9:50am Daily WSC 215 Starroff
☎ 7546 PSYC& 100CP1 (5) Online MacNamara
☎ 7547 PSYC& 100DP1 (5) Online MacNamara
☎ 8332 PSYC& 100EP1 (5) Online Osawa

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

Lifespan Psychology (SS)

☎ 7548 PSYC& 200A4 (5) 10-10:50am Daily WSC 211 MacNamara
☎ 7549 PSYC& 200BP1 (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.

Introduction to Personality

☎ 8123 PSYC 210A4 (5) 12-2:20pm TTh WSC 107 MacNamara

An introduction to the study of personality, including major theories, with a focus on basic principles of psychology and their application to personality development, personal growth and psychological adjustment. Prerequisite: PSYC& 100 or instructor permission.

READING**Improvement of Reading**

☎ 7553 READ 099A4 (1-5) 11-11:50am Daily MSG 106 Shriver
☎ 7554 READ 099N4 (1-5) **ARR** MW WSC 111 Shriver
☐☎ 7555 READ 099R4 (1-5) **CANCELED**

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.

Technical Reading

☎ 7556 READ 100A4 (3) 11-11:50am Daily MSG 106 Shriver
☎ 7557 READ 100N4 (3) 5-7:20pm MW WSC 111 Staff

Designed to teach discipline-specific reading strategies useful to students in both vocational and academic areas. It will also teach awareness of academic thought processes and present skills to enhance that thinking process.

Speed Reading

☎ 7558 READ 110N4 (3) ARR MW WSC 111 Shriver

Self-paced course for students wishing to increase read rate and comprehension using proper eye movements, improved vocabulary, and correct reading methods based on reading material. Prerequisite: vocabulary/reading comprehension at 12th grade level.

SOCIOLOGY

Intro to Sociology (SS)

☎ 7570 SOC& 101AT4 (5) 8-8:50am Daily WSC 211 Lytle
 ☎ 7571 SOC& 101B4 (5) 9-9:50am Daily WSC 208 Seabert
 ☎ 7572 SOC& 101C4 (5) 11-11:50am Daily WSC 110 Bryant
 ☐☎7574 SOC& 101RT4 (5) 8-8:50am Daily MOR 110 Lytle
 ☎ 7573 SOC& 101DP1 (5) Online Bryant
 ☎ 8334 SOC& 101EP1 (5) Online Bryant

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

Social Problems (SS)

☎ 7575 SOC& 201A3 (5) 10-10:50am MTW WSC 215 Mayfield
 +2 hours/week TBA

Investigate problems within society and how we view certain social conditions as social problems. Topics include technology, environment, population, economy, class, race/ethnic relations, sexism, ageism, family problems, education, cities, deviance, crime, mental health, physical health.

Cultural & Ethnic Pluralism (D)(SS)

☎ 7569 SOC 225AP1 (5) Online Tate

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

SPANISH

Spanish I (H)

☎ 7576 SPAN& 121A4 (5) 12-12:50pm Daily WSC 210 Gorecki
 First class in 100 level sequence. Learn the fundamental skills of listening comprehension, speaking, reading and writing. Develop an awareness of Spanish speaking countries and their cultures.

Spanish II (H)

☎ 7577 SPAN& 122A4 (5) 1-1:50pm Daily WSC 210 Martinez
 Second class in sequence. Learn the fundamental skills of listening comprehension, speaking, reading and writing. Develop an awareness of Spanish speaking countries and their cultures. Prerequisite: SPAN& 121 or instructor permission.

Spanish III (H)

☎ 7578 SPAN& 123A4 (5) 8-8:50am Daily WSC 210 Gorecki
 ☎ 7579 SPAN& 123B4 (5) 10-10:50am Daily WSC 210 Gorecki
 ☎ 7580 SPAN& 123CP1 (5) Online Martinez

Third class in sequence. Learn the fundamental skills of listening comprehension, speaking, reading and writing. Develop an awareness of Spanish speaking countries and their cultures. Prerequisite: SPAN& 122 or instructor permission.

Spanish VI (H)

☎ 7581 SPAN& 223A4 (5) 11-11:50am Daily WSC 210 Gorecki
 Sixth 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 V or equivalent amount of high school Spanish.

STUDENT DEVELOPMENT

Career Planning

☎ 7564 SDEV 105A3 (2) 12-12:50pm MTWTh WAH 212 Rauscher
 ☎ 7561 SDEV 105BP1 (2) Online Rauscher
 ☎ 7562 SDEV 105CP1 (2) Online Rauscher

Students identify their interests, skills and abilities and evaluate their personality styles, values and work environments as they relate to careers. Activities include interest inventory test, computer programs, job market research and informational interviewing. The format is lecture, discussion, group activities and individual projects. Lab fee \$26. **Section A3 meets 5/4-6/8.**

Student Success

☎ 7566 SDEV 150A3 (3) 1-1:50pm Daily WSC 111 Hafezi
 ☎ 7568 SDEV 150B3 (3) CANCELED
 ☎ 7567 SDEV 150C3 (3) CANCELED Burr

College success strategies; goal-setting, time management, memory improvement, textbook reading strategies, note-taking, test-taking, project management. Taught by lecture, group and individual work. Includes Saturday field trip for challenge course activities. **Section A meets 5/4 -6/12; section B meets 3/30 - 5/1; section C meets 3/30-5/1.**

WELDING

Welding for Mechanics

☎ 7582 WELD 151A3 (5) 3-3:50pm MTWTh TEC 105 Peters
 4-5pm MTWTh TEC 103 Peters

Introduction of cutting and welding processes. Includes information on welding equipment and material, various welding techniques and proper safety procedures. Prerequisite: DET 110 or DET 130 or instructor permission. Lab fee \$73.78.

Oxyfuel & GTAW Welding

7583 WELD 159A (12) 11-11:50am Daily TEC 105 Hegsted
 12-2:50pm Daily TEC 103 Hegsted

Theory and practice of oxyacetylene welding, brazing, cutting and gas tungsten arc welding. Safety, handling and use of compressed gases, materials, types of weld joints, and procedures. Prerequisite: GPA 2.0 or higher in WELD 164 or permission from instructor. Lab fee \$138.75.

Oxyfuel & GTAW

8283 WELD 180N (5) 5-8:30pm TTh TEC 103 Hegsted

Safety, set up, brazing, cutting, and welding in all positions using oxy-fuel and gas tungsten arc welding equipment. Lab fee \$73.78.

Advanced Fabrication

☎ 7584 WELD 269A4 (11) 8-8:50am Daily TEC 105 Peters
 9-11:50am Daily TEC 103 Peters

Blueprint interpretation, layout tools and procedures, oxy-fuel and plasma cutting, fitting, and welding fabrication projects. Prerequisite: WELD 267 with a 2.0 or higher or instructor permission. Lab fee \$73.78.

MORTON SPECIAL INTEREST

Pilates/Core

□ 7085 ASI 011R (1) 4:30-5:30pm Th MOR 101 Johnson C

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

Middle Eastern Dance

□ 7086 ASI 014S (1) 6:30-7:30pm T MOR Klein

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

Better Bones and Balance

□ 7087 ASI 015R (1) 9:30-10:30am TTh MOR 101 Jones

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

Community Speaker Series

□ 7091 ASI 063R (1) 1-1:50pm Th MOR 108 Schinnell

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

MORTON SMALL BUSINESS

Microsoft Word

□ 8141 SMGT 197R (3) 12-2pm W MOR 112 Cantin

Courseware incorporates a step-by-step, project-based approach, to develop competency in Microsoft Word learning to create, edit, format, and add graphics to documents. In addition to effectively plan, research, write and publish documents. Class fee \$66.13.

BACHELOR OF APPLIED SCIENCE CLASSES

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

Intermediate Accounting II

☎ 8114 ACCT 302N3 (5) 6-7:50pm Th WSC 110 Brodersen

The second installment of a two-part course designed to teach a professional level understanding of financial accounting and reporting as it applies to business entities both publicly traded and privately held. Prerequisite: ACCT 301 or instructor permission.

BAS Capstone Project

☎ 8357 BAS 489AP1 (5) Online Smejkal

An alternative to work experience based internship in BAS programs. The capstone project is designed for a student to demonstrate the application of principles and theories studied in their bachelor's program.

Metalwork & Fabrication

☎ 7222 DET 345A3 (5) 8-8:50am MTWTh TEC 153 Lucas
9-11:50am MTWTh TEC 135 Lucas

Apply layout, blueprint, weld symbol interpretation, dimension conversations, welding, machine set-ups and fabrication skills to safely complete metal fabrication projects correctly. Prerequisite: enrollment in BAS-DT or instructor permission. Lab fee \$100. **Class meets 5/4 - 6/8.**

Hybrid Drives

☎ 7223 DET 355A3 (5) 8-8:50am MTWTh TEC 133 Conrad
9-11:50am MTWTh TEC 135 Conrad

Theory and application of gasoline/electric hybrid, diesel/electric hybrid, and diesel/hydraulic hybrid systems as well as commonly used electric drive systems in on and off highway equipment. System maintenance and cost benefit analysis will be covered. Prerequisite: enrollment in BAS-DT or instructor permission. Lab fee \$100. **Class meets 3/30 - 5/1.**

Internship

☎ 7224 DET 365A3 (5) ARR ARR ARR Lucas

Provides students a venue to demonstrate the application of knowledge gained in the BAS-DT program, in the workplace. The internship will address BAS-DT program outcomes as agreed to by the student, internship provider and instructor. Prerequisite: enrollment in BAS-DT or instructor permission. Lab fee \$66.19.

Electrical III

☎ 7225 DET 415A3 (5) 8-8:50am MTWTh TEC 159 Lipp
9-11:50am MTWTh TEC 154 Lipp

Course content will focus on the theory and application of advanced electrical circuits, schematic reading, and proper troubleshooting techniques. Prerequisite: enrollment in BAS-DT or instructor permission. Lab fee \$75. **Class meets 3/30 - 5/1.**

Power Generation Systems

☎ 7226 DET 465A (5) 8-8:50am MTWTh TEC 159 Lipp
9-11:50am MTWTh TEC 154 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 BAS-DT or instructor permission. Lab fee \$75. **Class meets 5/4 - 6/8.**

Managerial Economics (SS)

☎ 8252 ECON 305A3 (5) 10-10:50am Daily WSC 206 Rodriguez
☎ 7242 ECON 305N3 (5) 5-6:50pm T WSC 206 Rodriguez

This class applies the principles of microeconomics to management decisions. Topics include consumer theory, supply & demand, efficiency, elasticity along with how firms contend with costs and competition. Prerequisite: lower division Social Science course.

Teaching Language Arts & Development

☎ 7245 EDUC 345N3 (3) 5-6:20pm T WSC 101 Grande
+3.5 hours/week TBA

Examine the methods for teaching writing, reading, listening, and speaking strategies and skills, including vocabulary, grammar, usage, and language development. Topics will include curriculum, methods, materials, and research. Prerequisite: admittance to BAS-TE or administrator approval.

Intermediate Reading

☎ 8253 EDUC 365N3 (3) 6:30-7:50pm T WSC 108 Douay

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

Education and the Law

☎ 8105 EDUC 400N3 (3) 8-9:20pm T WSC 110 Davis

Examine educational law emphasizing rights and responsibilities of students and teachers, and current issues of education and special education. Explore current legislation, issues and trends related to schools and special education.

Classroom Management

☎ 8106 EDUC 421N3 (5) 5-6:50pm Th WSC 108 Smith

Students will examine current theory, research, and best practices related to classroom management. Instruction to include employing techniques and strategies for managing individual and group behavior in a variety of instructional settings. Prerequisite: admittance into BAS or administrator approval. Lab fee \$17.50.

Teaching Art & Movement

☎ 8254 EDUC 335N3 (3) 5-6:50pm T WSC 110 Baker

Students examine current theory, research, and best practices related to the arts and movement. Instruction will include employing strategies for integrating the arts and an appreciation for the arts across and within content areas. Prerequisite: admittance into BAS program or administrator approval.

Practicum 3

☎ 7250 EDUC 483N3 (2) 7-7:50pm Th WSC 108 Smith

This course allows students to apply the content and strategies learned in Teaching Language Arts Development as they participate in 33 hours of classroom activities in the elementary classroom. Corequisite: EDUC 385.

Student Teaching SPED

☎ 7251 EDUC 490N (10) ARR ARR ARR Grande

Supervised instructional experience to develop, implement, practice, and evaluate theory and methods learned. Students will meet one on one or in small groups with supervising faculty. Prerequisite: EDUC 497 with a 2.0 or higher.

BACHELOR OF APPLIED SCIENCE CLASSES

Student Teaching Elem 2

7253 EDUC 498N (10) ARR ARR ARR Grande

Supervised instructional experience to develop, implement, practice, and evaluate theory and methods learned in BAS-TE program. Prerequisite: ENGL& 102; 2.0 or higher in all prior EDUC courses.

Ethics (H)

8129 HUM 315A3 (5) 12-1:50pm MTWTh WAH 214 King

A Foundation course in ethics as applied to businesses and organizations related to management issues. Students will explore theoretical concepts in business ethics and apply them to real-world situations based on challenges managers face. Prerequisite: admittance into BAS program or administrator approval; five credits of lower division Humanities.

Adv Web Applications

8128 IT 310A3 (5) 11am-12:50pm MW WAH 216 Hagen

An advanced course in web development. This course covers the full web development stack including client side(HTML, CSS, JavaScript), server side (ASP.NET), database layer (MSSQL), using frameworks (MVC). Lab fee \$50.

Software Engineering II

7361 IT 340A3 (5) 2-3:50pm MW WAH 216 Hagen
+1 hour/week TBA

A second course in Application/Software Engineering. Introduces test-driven development. Coding exercises include building unit tests and application code based on the requirements documentation of a project. Prerequisite: BAS-IT:AD admission or administrator approval. Lab fee \$50.

Info Security for Developers

7362 IT 430A3 (5) 11am-12:50pm TTh WAH 216 Hagen
+2 hours/week TBA

Students will examine information system security. Students will develop protocols and controls to harden information systems, and learn how vulnerabilities in information systems can be exploited using common, easy to access tools and techniques. Prerequisite: BAS-IT:AD admittance or permission of the instructor.

BAS-IT: AD Capstone

7363 IT 460N (5) 2-3:50pm TTh WAH 216 Hagen

Students will deliver a working software project, and all associated documentation to demonstrate mastery of the software development life cycle, and of modern software development methodologies. Prerequisite: BAS-IT:AD admittance or permission of the instructor.

Legal Issues

7439 MGMT 325A3 (5) 8-8:50am Daily WSC 101 Carlson E
7440 MGMT 325N3 (5) 7-8:50pm T WSC 107 McDonald
+3 hours/week TBA

A core course concerning the impact of laws, regulations and legal responsibilities on management behavior with a focus on the application of this learning to real life situations for organizations both large and small.

Applied Financial Management

8111 MGMT 340A4 (5) 10-10:50am Daily WSC 101 Rath
8110 MGMT 340N3 (5) 5-6:50pm T WSC 107 Rath
+3 hours/week TBA

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

Business Principles Planning and Strategies

8113 MGMT 360A4 (5) 9-9:50am Daily WAH 103 Burger
8112 MGMT 360N3 (5) 6-7:50pm Th WSC 101 Schimeipfenig
+3 hours/week TBA

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.

Operations Management

8108 MGMT 435A3 (5) 11-11:50am Daily WSC 115 Burger
7443 MGMT 435N3 (5) 7-8:50pm T WSC 215 Carlson, Eric
+3 hours/week TBA

Introduction to the key ideas and techniques used to plan, analyze, measure and improve an organization's production of goods and services. Topics explored include process-system modeling, product design/quality, inputs, processes, supply-chains, inventory, and people management. Prerequisite: enrollment in BAS-AM or instructor permission.

Management Internship

7444 MGMT 470AP1 (5) Online Spanski-Dref
8109 MGMT 470BP1 (5) Online Spanski-Dref

BAS-AM program outcomes in an internship with specific outcomes as agreed to by the student, internship provider and instructor. Classes will focus on sharing progress, issues or barriers from the internships. Prerequisite: completion of BAS-AM foundation courses and 30 additional BAS-AM core credits with a 2.0 minimum GPA. Lab fee \$6.19.