

# *Fall 2018*

## *Advising Schedule*



Fall quarter classes begin September 17, 2018.

Check our website for current class schedule information: <http://www.centralia.edu/academics/courses.html>

## SCHEDULE KEY

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

### Class section codes:

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

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

## COURSE DISTRIBUTION

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

### Diversity

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

## ACCOUNTING

### Practical Accounting I

☐☞ 3077 ACCT 110A (3) 8-8:50am MWF WAH 205 Smejkal

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

### Financial Reporting

☞ 3078 ACCT 200A4 (5) 9-9:50am Daily WSC 204 Staff

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

### Prin of Accounting I

☞ 3084 ACCT& 201A4 (5) 11-11:50am Daily WAH 115 Staff

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

### Acctg Information System

☐☞ 4110 ACCT 220S3 (5) 5-6:20pm TTh MOR 112 Germann  
☐☞ 4111 ACCT 220S5 (5) Flexible MOR 112 Germann

The application of accounting information systems used in the computing environment. It is enteded for the public bookkeeper managing transactional disposition of all accounts, developing financial statements, and maintaining external schedules. Prerequisite: ACCT& 201 or instructor permission. Lab fee \$12.

### Individual Income Taxes

☞ 3079 ACCT 260A4 (5) 12-1:20pm TWTh WAH 113 Staff  
Introductory course in taxation emphasizing the preparation of individual federal income tax returns. Course focuses on history, economics, social aspects, equity, and structure of the federal income tax laws of the United States. Prerequisite: ACCT& 201.

### Payroll Accounting

☞ 3081 ACCT 270A3 (3) 8-8:50am TTh TAC 339 Staff  
+1 hr/wk TBA  
☐☞ 4107 ACCT 270R3 (3) 3:30-4:50pm TTh MOR 108 Germann  
☐☞ 4108 ACCT 270R5 (3) Flexible MOR 108 Germann

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

### Bookkeeper Cert. Course

☐☞ 4105 ACCT 285R3 (5) 4-5:20pm MW MOR 101 Germann  
☐☞ 4106 ACCT 285R5 (5) Flexible MW MOR 101 Germann

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

### Financial Statements

☞ 4117 ACCT 295AP1 (5) Online Staff

This course provides a professional level review of Generally Accepted Accounting Principles (GAAP) as promulgated by the Financial Accounting Standards Board (FASB). Test preparation for CPA exam in coopertion with Becker Professional Education.

## AMERICAN SIGN LANGUAGE

### American Sign Language I

☞ 3104 ASL& 121A4 (5) 12-2:20pm TTh WSC 109 Depuye-Phill  
☞ 3105 ASL& 121B4 (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.

## ANTHROPOLOGY

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

☞ 3087 ANTH& 100A4 (5) 9-9:50am Daily WSC 208 Avalos

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

### Cultural Anthropology (D)(SS)

☞ 3088 ANTH& 206A4 (5) 12-12:50pm Daily WSC 208 Avalos

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

### Cultural & Ethnic Pluralism (D)(SS)

☞ 3086 ANTH 225AP1 (5) Online Medlin

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

## ART

**Art Appreciation (H)**

☞ 3096 ART& 100A4 (5) 10-10:50am Daily WAH 109/116 Frey  
Introduction to the visual arts. Painting, drawing, sculpture and architecture will be examined as art forms and for their role in human history. Students will be introduced to a variety of art media and techniques.

**Drawing I (H)**

☞ 3089 ART 102A4 (5) 1-2:50pm MWF WAH 108/116 Frey  
Study the fundamentals of drawing: composition, technique and manipulation of materials, exploration of subject matter. Lectures on contemporary and historical artists support drawing labs. Lab fee \$9.33.

**Drawing II**

☞ 3090 ART 103A4 (5) 1-2:50pm MWF WAH 108/116 Frey  
Intermediate level study of the fundamentals of drawing: composition, technique and manipulation of materials, exploration of subject matter. Lectures on contemporary and historical artists support drawing labs. Prerequisite: ART 102 or instructor permission. Lab fee \$9.33.

**Drawing III**

☞ 3091 ART 104A4 (5) 1-2:50pm MWF WAH 108/116 Frey  
Advanced level study of the fundamentals of drawing: composition, technique and manipulation of materials, exploration of subject matter. Lectures on contemporary and historical artists support drawing labs. Prerequisite: ART 102, 103 or instructor permission. Lab fee \$9.33.

**2D Design (H)**

☞ 3092 ART 110A3 (5) 11-11:50am Daily WAH 116 Solomon  
Learn and utilize the principles of two-dimensional design and its application on a two-dimensional plane through lecture and studio practice. Lab fee \$40.

**Computer Graphics (H)**

☞ 3093 ART 130A3 (5) 12-12:50pm Daily WAH 209 Solomon  
An overview of computer programs used to create images for print and screen, still and moving. Gain basic skills in design and programs by creating digital art work in a series of assignments. Lab fee \$52.08.

**Digital Photography (H)**

☞ 3094 ART 174A3 (5) 1-1:50pm MTW WAH 209 Solomon  
1-2:50pm Th WAH 209 Solomon  
+3 hrs/wk TBA

An introduction to digital photography as an expressive art form. Students will explore the creative and technical requirements of digital imaging, as well as examine the contributions of contemporary fine artists working in this medium. Prerequisite: basic computer experience required. Lab fee \$52.08

**Art History: Ancient (D)(H)**

☞ 3095 ART 200A4 (5) 11-11:50am Daily WAH 109 Frey  
A survey of the development of art in Europe, the Near East and Asia from prehistoric times through the 14th century CE. The course will explore developments in architecture, painting, sculpture and other art forms.

## ASTRONOMY

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

☞ 3106 ASTR 127AP1 (5) Online Garcia  
Brief overview of the history and scope of astronomy, followed by a systematic study of the solar system, stars, galaxies, and the universe. Prerequisite: one year HS algebra or MATH 098.

## BIOLOGY

**Survey of Biology (NS)**

☞ 3111 BIOL& 100A4 (5) 11-11:50am MTWTh WSC 107 Tonn N  
1-2:50pm T WSC 303 Tonn N

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

**Human Biology (NS)**

☞ 3112 BIOL& 170A4 (5) 10-10:50am Daily WAH 103 Jewell  
☞ 4109 BIOL& 170R4 (5) 1-2:20pm MTF MOR 101 Jones

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**

☞ 3107 BIOL 172A4 (1) 1-2:50pm Th WSC 314 Jewell  
Investigate the structure and function of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, immune, respiratory, digestive, urinary, and reproductive systems. Prerequisite: BIOL& 170. Lab fee \$18.46.

**Majors Ecology/Evolution (NS)**

☞ 3113 BIOL& 221A4 (5) 11-11:50am MTWTh WSC 111 Carlson L  
2-3:50pm T WSC 307 Carlson L  
☞ 3114 BIOL& 221B4 (5) 11-11:50am MTWTh WSC 111 Carlson L  
2-3:50pm W WSC 307 Carlson L

Ecology, evolution, taxonomy and phylogeny, diversity of life forms. First course in a three-quarter series (BIOL& 221, 222, 223). Prerequisite: HS biology or BIOL& 100 and MATH 098 or equivalent. Lab fee \$20.96.

**Human A & P 1 (NS)**

☞ 3115 BIOL& 241A4 (5) 12-12:50pm MTWTh WSC 121 Norton  
2-3:50pm T WSC 314 Norton  
☞ 3116 BIOL& 241B4 (5) 12-12:50pm MTWTh WSC 121 Norton  
2-3:50pm W WSC 314 Norton  
☞ 3117 BIOL& 241C4 (5) 12-12:50pm MTWTh WSC 121 Norton  
4-5:50pm T WSC 314 Norton  
☞ 3118 BIOL& 241D4 (5) 12-12:50pm MTWTh WSC 121 Norton  
4-5:50pm W WSC 314 Norton

Investigate interactions between structure (anatomy) and function (physiology) essential for human health. Investigate organization and function of macromolecules, membranes and the cell, tissues, integument, skeleton and articulations, skeletal muscles, nervous system and the brain. Prerequisite: HS biology and chemistry or BIOL& 100 or BIOL& 170 and CHEM& 121. Lab fee \$18.46.

**Research in Biology**

3108 BIOL 270A (1-12) ARR ARR ARR Norton  
3109 BIOL 270B (1-12) ARR ARR ARR Carlson L  
3110 BIOL 270C (1-12) ARR ARR ARR Jewell

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

## BUSINESS ADMINISTRATION

### Intro to Business

☞ 3151 BUS& 101A4 (5) 10-10:50am MWF TAC 122 Crawford

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

### Business Math

☞ 3147 BUS 121A (5) 1-1:50pm Daily NRA Staff

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

### Business Law

☞ 3152 BUS& 201AT3 (5) 12-1:50pm MW WSC 211 Staff

☞ 3153 BUS& 201B5 (5) Flexible Staff

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.

### Principles of Finance

☞ 3148 BUS 215A4 (5) 11-11:50pm TWTh TAC 339 Staff

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

### Data Dashboards

☞ 4118 BUS 230A3 (5) 10-10:50am MWF WAH 205 McClain

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.

### Merchandising Management

☞ 3150 BUS 240A3 (5) 12-12:50pm MWF MSG 106 McClain

This course emphasizes the principles and concepts of merchandising management and studies store management, inventory control, purchasing, pricing, logistics, customer relationship management, and advertising.

### Principles of Management

4119 BUS 275A (5) 11-11:50am MWF NRA Smejkal

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. Pre-requisite: BUS& 101.

## BUSINESS OFFICE TECHNOLOGY

### Keyboarding for Business

☞ 3119 BTEC 101A4 (3) 9-9:50am Daily WAH 207 Copeland

☞ 3120 BTEC 101B4 (3) 10-10:50am Daily WAH 207 Lazo

☐ 3121 BTEC 101R (3) 12-2:30pm TTh MOR 112 Cantin

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

### Keyboard Skillbuilding I

☞ 3123 BTEC 102A4 (3) 9-9:50am Daily WAH 207 Copeland

☞ 3124 BTEC 102B4 (3) 10-10:50am Daily WAH 207 Lazo

☐ 3125 BTEC 102R (3) 12-2pm TTh 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 35wpm with one error per minute. Prerequisite: BTEC 101 and typing speed of 25wpm or instructor permission.

### Electronic Medical Records

☞ 3127 BTEC 107AP1 (3) Online Copeland

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

### Business English

☞ 3128 BTEC 110A4 (5) 11-11:50am Daily WAH 205 Lazo

☐☞ 3129 BTEC 110R4 (5) 10:30am-12:50pm TTh MOR 101 Meade

Editing skills including grammar, punctuation, proofreading, and spelling for office correspondence. A basis for machine transcription, business communication, and office procedures.

### Cooperative Work Experience

☞ 3130 BTEC 190A4 (1-12) ARR ARR ARR Copeland

See description under Cooperative Work Experience heading.

### Work Experience Seminar

☐☞ 3132 BTEC 191RE5 (1) Flexible Th MOR 112 Cantin

☞ 3131 BTEC 191AP1 (1) Online Copeland

Topics include professional image, business etiquette, sexual harassment, resolving conflict, and diversity in the workplace. Must be taken prior to or concurrently with Co-op Work Experience.

### Word I

☞ 3133 BTEC 210A4 (5) 9-9:50am Daily WAH 205 Lazo

☞ 3134 BTEC 210B4 (5) 11-11:50am Daily WAH 207 Copeland

☐ 4113 BTEC 210R (5) ARR TTh MOR 112 Cantin

☐☞ 3135 BTEC 210R5 (5) Flexible TTh MOR 112 Cantin

Class covers Word in depth: document preparation, formatting, graphics, WordArt, columns, sorts, charts, mail merge, and styles. Students will format business documents to business standards. Prerequisite: keyboard skill of 35wpm or instructor permission.

### Excel

☞ 3136 BTEC 214A3 (5) 12-12:50pm MTWTh WAH 205 Lazo

☐☞ 3137 BTEC 214R5 (5) Flexible TTh MOR 112 Cantin

A hands-on approach for beginning through intermediate level applications of Excel spreadsheet using a variety of business applications. Prerequisite: word processing, windows, keyboard skills.

### Desktop Publishing

☐☞ 3138 BTEC 218R5 (4) Flexible TTh MOR 112 Cantin

Course covers desktop publishing terminology and concepts to plan, create, and design professional-looking businesses and personal documents. Prerequisite: Word, keyboard speed of 35wpm.

### Word II

☐☞ 3139 BTEC 219R5 (4) Flexible TTh MOR 112 Cantin

Course covers footnotes, endnotes, citations, bibliographies, table of contents, indexes, linked textboxes, multilevel lists, building blocks, fill-in forms, macros, outlines, QuickParts, templates formal reports. Prerequisite: Word 1, keyboard speed of 35wpm.

**Ten-Key Calculator**

□ 3141 BTEC 220R (1) 1:30-3pm Th MOR 108 Cantin  
Touch control of 10-key pad with emphasis on speed and accuracy. Addition, subtraction, multiplication, and division techniques used in solving business problems. Basic or Business Math recommended first. Lab fee \$7.15.

**Microsoft Office-PowerPoint Module**

□ 3142 BTEC 222R5 (1) Flexible TTh MOR 112 Cantin  
An introduction to Microsoft PowerPoint. Upon completion of this course students should have beginning knowledge of a presentation program. Prerequisite: keyboard speed of 35wpm, Windows Workstations OS or instructor permission.

**Filing**

☞ 3143 BTEC 233A4 (3) 12-12:50pm MWF WAH 207 Copeland  
Basic principles and procedures of records storage and management. Practice indexing, coding, and filing for alphabetic, numeric, subject, geographic filing systems, and introduction to forms design.

**Medical Terminology**

☞ 3145 BTEC 260A3 (4) 9-9:50am MTWTh TAC 122 Boerner  
Development of a medical vocabulary with emphasis on definition and spelling. Upon completion of this course students should be able to recognize spoken medical terms, analyze word parts for meaning, and understand basic medical terminology.

**Medical Transcription**

☞ 3146 BTEC 263A4 (4) 9-9:50am Daily WAH 207 Copeland  
A review of medical terminology and the preparation of medical transcripts. Prerequisite: 2.0 or above in BTEC 102, 110, and 260 and typing speed of 40wpm. Lab fee \$7.36.

**CHEMICAL DEPENDENCY****Intro Chem Dependency**

3154 CDP 100A (5) 10-11:50am MW NRA Rabe S  
Introduction to the field of chemical dependency counseling. Topics include theories surrounding the etiology of addiction, basic psychopharmacology, Federal and State regulations, introduction into prevention, intervention, assessment, treatment planning and case management.

**CDP Law and Ethics**

☞ 3155 CDP 120A3 (4) 1-2:50pm TTh NRA Rabe S  
Contemporary legal and ethical issues in chemical dependency counseling including professional and peer relationships, boundaries, NAADAC code of ethics, multiple relationships and values in the counseling relationship and laws surrounding counseling including confidentiality and HIPAA. Prerequisite: CDP 100.

**Counseling Adolescents**

☞ 3156 CDP 140A3 (3) 10-11:50am TTh WSC 211 Bailey  
An overview course covering the Bio-Psycho-Social factors associated with adolescent substance use, misuse, and dependency. Topics: adolescent brain development; cultural implications in adolescent substance use; screening, assessment, and diagnosis. Prerequisite: CDP 100 & PSYC& 200.

**CDP Cultural Diversity**

3157 CDP 230A (3) 1-2:20pm MW NRA Rabe S  
Designed to explore self-awareness and improve knowledge and skills of chemical dependency professionals while working with clients from diverse cultural backgrounds. Prerequisite: CDP 100 w/2.0 or higher.

**CHEMISTRY****Introduction to Chemistry (NS)**

☞ 3202 CHEM& 121A4 (5)	9-9:50am	MTWTh	WSC 121	Sprafka
	1-2:50pm	T	WSC 308	Sprafka
☞ 3203 CHEM& 121B4 (5)	9-9:50am	MTWTh	WSC 121	Sprafka
	1-2:50pm	W	WSC 308	Sprafka
☞ 3204 CHEM& 121C4 (5)	11-11:50am	MTWTh	WSC 121	Sprafka
	3-4:50pm	T	WSC 308	Sprafka
☞ 3205 CHEM& 121D4 (5)	11-11:50am	MTWTh	WSC 121	Sprafka
	1-2:50pm	Th	WSC 308	Sprafka
☞ 3206 CHEM&121N4 (5)	5-6:50pm	M	WSC 121	Sprafka
	5-6:50pm	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

**Problem Solving in Chem**

☞ 3199 CHEM 159A3 (1) 10-10:50am F WSC 109 Goodwin K  
This course is designed to provide instruction and practice in quantitative problem solving, critical thinking, and the mathematics and study skills that are required to be successful in CHEM&161. Corequisite: CHEM& 161.

**General Chem w/lab I (NS)**

☞ 3207 CHEM& 161A4 (6)	10-10:50am	MTWTh	WSC 121	Goodwin K
	1-4:50pm	T	WSC 302	Goodwin K
☞ 3208 CHEM& 161B4 (6)	10-10:50am	MTWTh	WSC 121	Goodwin K
	1-4:50pm	W	WSC 302	Goodwin K

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

**General Chemistry w/lab III (NS)**

☞ 3209 CHEM& 163A4 (6)	9-9:50am	MTWTh	WSC 210	Goodwin K
	1-4:50pm	M	WSC 302	Goodwin K

Third of a three-quarter sequence. Includes acids and bases, acid/base and solubility equilibria, thermodynamics, electrochemistry, and an introduction to organic and nuclear chemistry. Supplemental topics include polymers, transition metal, and/or coordination chemistry. PREREQUISITE: CHEM& 162. Lab fee \$27.69.

**Organic Chemistry I (NS)**

☞ 3210 CHEM& 261A4 (6)	12-12:50pm	MTWTh	WAH 113	Goodwin K
	1-4:50pm	Th	WSC 302	Goodwin K

General physical and chemical properties of simple aliphatic and aromatic compounds. Prerequisite: CHEM& 161, 162, 163 or instructor permission. Lab fee \$26.88.

**Research in Chemistry**

3200 CHEM 270A (1-12)	ARR	ARR	ARR	Sprafka
3201 CHEM 270B (1-12)	ARR	ARR	ARR	Goodwin K

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.

**CHILD & FAMILY STUDIES****Learning and Playing**

3158 CFS 110ELL (1-2)	ARR	ARR	ARR	Burkhart
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Parents learn about child development and how to apply that knowledge in their parenting role. Children attend classes with parents and participate in learning activities. Lab fee \$11.

**Learning with Infants and Toddlers**

3160 CFS	120B	(2)	ARR	ARR	ARR	Hastings
			ARR	ARR	ARR	Jewell

Parents learn about child development and how to apply that knowledge in their parenting role. Children attend classes with parents and participate in learning activities, music, discussion and art.

**Dynamic Dads**

3167 CFS	130DAD (1-4)	9am-12pm	Sa	LAX	Kauanoë
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**Grandparents as Parents**

3169 CFS	130GAP (1-4)	6-8pm	M	HFL	Schneider
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**Training in Parenting Skills**

3172 CFS	130M (1-4)	5:30-7:30pm	TW	HFL	Osborne
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**Positive Parenting in Recovery**

3175 CFS	130PIR (1-4)	ARR	ARR	HFL	Osborne
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**Social Kids**

3181 CFS	130SSK (1-4)	9-10:30am	Sa	HFL	Quinlan
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**CHINESE****Chinese I (D)(H)**

☎ 3211 CHIN& 121A4	(5)	11-11:50am	Daily	WSC 208	Wynder
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Learn the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture.

**Chinese IV (H)**

☎ 3212 CHIN& 221A4	(5)	1-1:50pm	Daily	WSC 208	Wynder
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Continued study of the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture. Prerequisite: CHIN& 123 or instructor permission.

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

☎ 3228 CMST& 102A4	(5)	11-11:50am	Daily	WAH 115	Fisher
☎ 3229 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.

**Public Speaking (H)**

☎ 3230 CMST& 220A4	(5)	8-8:50am	Daily	TAC 340	McQuarrie
☎ 3231 CMST& 220B4	(5)	9-9:50am	Daily	TAC 340	McQuarrie
☎ 3235 CMST& 220F4	(5)	<b>CANCELED</b>			
☎ 3232 CMST& 220C4	(5)	10-10:50am	Daily	TAC 338	Staff
☎ 3233 CMST& 220D4	(5)	11-11:50am	Daily	TAC 338	McQuarrie
☎ 3234 CMST& 220EP1	(5)	Online			McQuarrie

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

**Advanced Public Speaking (H)**

☎ 3224 CMST 240A4	(5)	12-12:50pm	Daily	TAC 338	McQuarrie
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Build upon the skills learned in an introductory public speaking course. Become prepared to present in professional settings and lead effective business meetings as an audience-centered communicator. Prerequisite: CMST& 220 or instructor permission.

**Intercultural Communications (D)(H)**

☎ 3225 CMST 250N3	(5)	5-6:50pm	M	WSC 108	Majors
		+3 hrs/wk	TBA		

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

**COMMUNICATIONS****Dragon NaturallySpeaking**

3236 COMM 100A	(2)	8-8:50am	T	WSC 101	Hoel
☎ 3237 COMM 100BP1	(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**

☐ 3238 COOP 190S	(1-12)	ARR	ARR	MOR 108	Barnes
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Cooperative Work Experience allows students to apply classroom learning to on-the-job settings. Credit is earned for new and continued learning taking place in the work environment. Reaching set learning objectives and development of positive work habits are emphasized. The Cooperative Education Faculty Coordinator, the student employee, and the worksite supervisor identify the learning objectives. 30-360 hrs on-the-job per quarter. Instructor's permission is required. Corequisite: Enrollment in a Work Experience Seminar is required of Co-op students. You may take the Work Experience Seminar before or in the same quarter as the Co-op course.

**CRIMINAL JUSTICE****Intro to Criminal Justice**

☎ 3218 CJ& 101A3	(5)	9-9:50am	MTWTh	WAH 105	Gilbertson
☎ 3219 CJ& 101BP1	(5)	Online			Belden

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

**Constitutional Case Law**

☎ 3213 CJ 103A3	(5)	10-10:50am	MTWTh	WAH 105	Gilbertson
☎ 3214 CJ 103BP1	(5)	Online			Belden

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

**Intro to Corrections**

☎ 3220 CJ& 105A3	(5)	11-11:50am	MTWTh	WAH 109	Gilbertson
☎ 3221 CJ& 105AP1	(5)	Online			Belden

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

**Criminology**

☎ 3222 CJ& 112AP1	(5)	Online			Belden
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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.

**Domestic Violence & Abuse**

☎ 3215 CJ 130A3 (5) 12-1:50pm MW WAH 109 Gilbertson

This course examines physical and sexual domestic violence in our society. This includes spouse/partner abuse and child abuse. Contemporary investigation and intervention strategies and techniques are studied including evidence discover, collection, and preservation. Lab fee \$13.54.

**Felony Investigations**

☎ 3216 CJ 223AP1 (5) Online Belden

Practical application of investigation techniques for felony crimes is studied and examined. Includes Part I offenses and drug crime, crime scene considerations, search warrants, report writing, evidentiary issues, surveillance, using informants, and assisting with prosecution.

**Intro Forensic Science**

☎ 3223 CJ& 240A3 (5) 12-2:50pm T WAH 105 McLeod

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. Lab fee \$14.17.

**DIESEL EQUIPMENT TECHNOLOGY****Shop Skills**

☎ 3241 DET 100A3 (7) 9-9:50am MTWTh DSL 104 McCarthy L  
10am-2:30pm MTWTh DSL 106 McCarthy L

Theory and application of basic tools and practices as used in heavy equipment repair facilities. Pre-requisite: Placement for TMATH 116 or MATH 095 with 2.0 or higher. Lab fee \$65.69. **Class meets 9/17-10/18.**

**Forklift Certification**

3242 DET 102A (1) 8am-5pm F DSL 104 McCarthy L  
3243 DET 102B (1) 8am-5pm F DSL 104 McCarthy L

A comprehensive classroom training along with practical, hands-on instruction on forklift operation and safety. Course covers state and federal regulations and proper operator training. Students are awarded a certification card upon successful completion. Prerequisite: DET 100. Lab fee \$40. **Section A meets 9/28; section B meets 10/19.**

**Power Transmission**

☎ 3244 DET 125A3 (7) 9-9:50am MTWTh DSL 104 Conrad  
10am-2:30pm MTWTh DSL 106 Conrad

The theory and application of mechanical power transmitting devices and associated components as used in diesel powered equipment. Lab fee \$65.69. **Class meets 10/22-12/3.**

**Mobile Electrical Systems II**

☎ 3245 DET 200A3 (7) 8-8:50am MTWTh DSL 104 Staff  
10am-2:30pm MTWTh DSL 106 Staff

Students will examine electrical components and electronic systems. This course will cover electronic control modules and advanced direct current troubleshooting. Prerequisite: DET 110 or instructor permission. Lab fee \$85.69. **Class meets 10/22-12/3.**

**Internal Combustion Engines II**

☎ 3246 DET 220A3 (7) 8-8:50am MTWTh TEC 104 Lucas  
10am-2:30pm MTWTh DSL 106 Lucas

This course will cover diesel engine analysis and testing for optimal performance and longevity. Students will perform live engine testing, troubleshooting, and repairs. Prerequisite: DET 110 or instructor permission. Lab fee \$85.69. **Class meets 9/17-10/18.**

**DRAMA****Introduction to Theater (H)**

☎ 3252 DRMA& 101A4 (5) 9-9:50am Daily WAH 115 Kreilkamp

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

**Beginning Acting (H)**

☎ 3250 DRMA 107A4 (5) 10-11:50am TTh WAH 150 Kreilkamp  
10-10:50am F WAH 150 Kreilkamp

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

**Dramatic Performance (H)**

☎ 3251 DRMA 115A4 (5) ARR ARR ARR Kreilkamp

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

**ECONOMICS****Microeconomics (SS)**

☎ 3263 ECON& 201A4 (5) 9-9:50am Daily WSC 210 Suozzo  
☎ 3264 ECON& 201B4 (5) 12-12:50pm Daily WSC 111 Suozzo

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

**Macroeconomics (SS)**

☎ 3265 ECON& 202A4 (5) 10-10:50am Daily WAH 115 Suozzo

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**

☎ 3275 EDUC& 130A3 (3) 3-4:30pm W WSC 213 Spain  
3-4:30pm W WSC 213 Kirkpatrick  
☎ 3276 EDUC& 130BS1 (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.

**Child/Family/Community**

☎ 3278 EDUC& 150A3 (3) 4-6:50pm M WAH 113 Kirkpatrick  
4-6:50pm M WAH 113 Lovelett

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

**Intro to Ed w/Field Exp**

☎ 4125 EDUC& 205A4 (5) 1-2:50pm MW NRA Spain  
+3 hrs/wk

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

**EDUCATION-EARLY CHILDHOOD****Child Care Basics**

☎ 3254 ECED& 100AW1 (3) Online Staff

Designed to meet licensing requirements for early learning providers, STARS 30 hour basic course recognized in MERIT system. Topics: child development, cultural competency, community resources, guidance, health/safety/nutrition and professional practice.

**Intro Early Child Ed**

☎ 3255 ECED& 105A3 (5) 1-2:50pm T WSC 108 Kirkpatrick  
1-3:50pm T WSC 108 Wulff  
+3 hrs/wk TBA

Explore the foundations of early childhood education. Examine theories defining the field, issues and trends, best practices, and program models. Observe children, professionals and programs in action. Lab fee \$25.

**Health/Safety/Nutrition**

☎ 3257 ECED& 107AW1 (5) Online Staff

Develop knowledge and skills to ensure good health, nutrition, and safety of children in group care and education programs. Recognize the signs of abuse and neglect, responsibilities for mandated reporting, and available community resources.

**Practicum-Nurturing Rel**

☎ 3259 ECED& 120A4 (2) 3-3:50pm M WSC 108 Kirkpatrick  
+3 hrs/wk TBA

Students gain experience engaging in nurturing relationships with children, keeping children safe and promoting children's growth and development. Lab fee \$10.

**Infants/Toddlers Care**

☎ 3260 ECED& 132AW1 (3) Online Staff

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

**Family Child Care**

☎ 3261 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.

**Admin Early Lrng Prog**

☎ 3262 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.

**ELECTRONICS/ROBOTICS**

See *Mechatronics* section

**ENERGY TECHNOLOGY****Intro to Energy Industry**

☎ 3573 PPO 100AT3 (5) 1-3:20pm M TAC 338 Crawford

Provides a broad background in fields related to power generation.

**Energy Efficiency**

☎ 3574 PPO 150A3 (5) 1-3:20pm W TAC 338 Crawford

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

**Plant Systems**

☎ 3575 PPO 201AT3 (5) 1-3:20pm T TAC 338 Steidel

Provides a background in power plant cycles, systems and equipment, including an introduction to instrumentation and control. Prerequisite: PPO 102.

**Hydroelectric Power**

☎ 3576 PPO 208A4 (5) 1-3:20pm Th TAC 338 Crawford

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

**ENGINEERING****Introduction to Engineering**

☎ 3326 ENGR 100A4 (2) 11-11:50am TTh WSC 108 Threapleton

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

**Mechanics of Materials**

3328 ENGR& 225A (5) 9-9:50am Daily WSC 108 Threapleton

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

**Research in Engineering**

3327 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**

3280 ENGL 094N (1-5) 5-7:20pm TTh WSC 110 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**

3282 ENGL 095N (1-5) 5-7:20pm TTh WSC 110 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.



**Vocabulary Development II**

3284 ENGL 096N	(1-5)	5-7:20pm	MW	WSC 110	Shriver
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Builds a base of words used in everyday communication, provides systematic study, increases proficiency in oral and written communication and reading comprehension. Students are given a placement test and assigned materials at an appropriate level.

**Vocabulary Development III**

3285 ENGL 097N	(1-5)	5-7:20pm	MW	WSC 110	Shriver
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Course provides a systematic study of college level academic words and their roots, prefixes, and suffixes to increase proficiency in oral and written communication.

**Writing & Grammar Review**

3287 ENGL 098A4	(1-5)	9-9:50am	Daily	MSG 106	Burr
3286 ENGL 098B	(1-5)	10-10:50am	Daily	WAH 113	Shriver
3289 ENGL 098N	(1-5)	5-7:20pm	TTh	WSC 110	Shriver
3290 ENGL 098R	(1-5)	10:30-11:50am	MWF	MOR 101	Nellis
3291 ENGL 098TC4	(1-5)	9:10-10:10am	MTWTh	CTC	Johnson R

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. Section TC4 is held at the Chehalis Tribal (Community) Center at 461 Secena Road in Oakville.

**Fundamentals of English**

3295 ENGL 099A4	(1-5)	9-9:50am	Daily	MSG 106	Burr
3292 ENGL 099B	(1-5)	10-10:50am	Daily	WAH 113	Shriver
3296 ENGL 099C4	(1-5)	CANCELED			
3293 ENGL 099D4	(1-5)	11-11:50am	Daily	WAH 113	Burr
3294 ENGL 099E	(1-5)	12-12:50pm	Daily	WAH 103	Shriver
3297 ENGL 099N	(1-5)	5-7:20pm	TTh	WSC 110	Shriver
3298 ENGL 099R	(1-5)	10:30-11:50am	MWF	MOR 101	Nellis
3300 ENGL 099TC4	(1-5)	9:10-10:10am	MTWTh	CTC	Johnson R

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. Section TC4 is held at the Chehalis Tribal (Community) Center at 461 Secena Road in Oakville.

**English Composition I (C)**

3302 ENGL& 101A	(5)	8-8:50am	Daily	WAH 105	Staff
3303 ENGL& 101B4	(5)	8-8:50am	Daily	WAH 109	Mitchler
3304 ENGL& 101C	(5)	8-8:50am	Daily	WSC 204	Staff
3306 ENGL& 101D4	(5)	9-9:50am	Daily	WSC 111	Erickson
3308 ENGL& 101E4	(5)	9-9:50am	Daily	WAH 113	Williams A
3310 ENGL& 101F4	(5)	10-10:50am	Daily	TAC 340	Williams A
3311 ENGL& 101G3	(5)	10-10:50am	Daily	WSC 206	Erickson
3312 ENGL& 101H4	(5)	11-11:50am	Daily	WSC 213	Williams A
3313 ENGL& 101J3	(5)	11-11:50am	Daily	WSC 110	Waliezzer
3314 ENGL& 101K3	(5)	12-12:50pm	Daily	WSC 110	Waliezzer
3315 ENGL& 101L	(5)	1-1:50pm	Daily	WSC 110	Staff
4103 ENGL& 101N3	(5)	5-6:50pm	M	WSC 111	Young
3318 ENGL& 101R3	(5)	12:30-2:50pm	W	MOR 108	Barnes
3316 ENGL& 101MP1	(5)	Online			Foss
3317 ENGL& 101OP1	(5)	Online			Young

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: 5 credits of ENGL 099 with 2.0+ or placement into ENGL& 101.

**Composition II (C)**

3319 ENGL& 102A3	(5)	8-8:50am	Daily	WSC 206	Weil
3320 ENGL& 102B	(5)	9-9:50am	Daily	WSC 206	Staff
3321 ENGL& 102C3	(5)	10-10:50am	Daily	WSC 110	Waliezzer
3322 ENGL& 102D3	(5)	12-12:50pm	Daily	WSC 206	Weil
3323 ENGL& 102EP1	(5)	Online			Davidson
3324 ENGL& 102FP1	(5)	Online			Davidson

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

**Intro to Literature (H)**

3325 ENGL& 111AP1	(5)	Online			Foss
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Introduces the major genres, techniques and themes of literature by examining the work of a variety of classic and contemporary authors.

**Short Fiction (H)**

3301 ENGL 180A3	(5)	11-11:50am	Daily	WSC 206	Weil
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Survey of short story as representational vehicle in romanticism, realism, modernism, horror, satire, science fiction, magical realism. Primarily American in focus; includes cross-cultural comparisons. College-level reading, writing skills expected. Creative writing options. Prerequisite: college level reading and writing skills.

**Writing in the Workplace**

3624 WRT 105A4	(5)	8-8:50am	Daily	WAH 207	Erickson
3625 WRT 105BP1	(5)	Online			Foss

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)**

3330 ENV& 100A3	(5)	10-10:50am	MTWTh	WSC 111	Carlson L
		+1 hr/wk TBA			

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

**Intro to Env Science w/lab (NS)**

3331 ENV& 101AP1	(5)	Online			Carlson L
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An interdisciplinary course for non-science majors and beginning science students. Topics include biodiversity, climate, pollution, energy and food. Independent laboratories and field trips included. Students cannot receive credit for both ENV& 100 and ENV& 101.

**GEOLOGY****Intro Physical Geology (NS)**

3341 GEOL& 101A4	(5)	10-10:50am	MTWTh	WSC 105	Harris
		1-2:50pm	W	WSC 105	Harris
3342 GEOL& 101B4	(5)	10-10:50am	MTWTh	WSC 105	Harris
		3-4:50pm	W	WSC 105	Harris

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

**Physical Geology II (NS)**

☞	4134 GEOL	102A4	(5)	11-11:50am	MTWTh	WSC 105	Harris
				1-2:50pm	Th	WSC 105	Harris
☞	4135 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. Pre-requisite: MATH 098. Lab fee \$27.10.

**Natural Hazards and Catastrophes (NS)**

☞	3338 GEOL	108A4	(5)	9-9:50am	MTWTh	WSC 105	Harris
				1-2:50pm	T	WSC 105	Harris
☞	3339 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**

	3340 GEOL	270A	(1-12)	ARR	ARR	ARR	Harris
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Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. Prerequisite: instructor permission.

**HEALTH****Health & Wellness (HF)**

☞	3356 HLTH	130A4	(3)	9-9:50am	MWF	MSG 115	Johnson C
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An exploration of current personal health issues and a presentation of contemporary approaches to obtaining and maintaining a high level of wellness. Lab fee \$3.10.

**Exercise & Nutrition (HF)**

☞	4114 HLTH	140A4	(3)	12-12:50pm	MWF	MSG 115	Oien
☞	3358 HLTH	140BP1	(3)	Online			Sanchez

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)**

☞	3360 HLTH	143A4	(2)	11-11:50am	MW	MSG 106	Johnson C
☐☞	3361 HLTH	143R3	(2)	3:30-4:20pm	Th	MOR 101	Johnson C
☐☞	4104 HLTH	143R5	(2)	Flexible	Th	MOR 101	Johnson C
☞	4115 HLTH	143BP1	(2)	Online			Johnson C

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)**

☞	3362 HLTH	145A3	(3)	8-8:50am	MWF	MSG 106	Sanchez
☞	3363 HLTH	145BP1	(3)	Online			Johnson C

The course emphasizes the importance of safety, first aid, and exercise as they relate to an individual's level of health and fitness. The course includes the American Heart Association Heartsaver First Aid/CPR and AED certification. Lab fee \$47.49. **Online class has a required on-campus lab. Choose one: 11/26, 1-5:50pm OR 12/3, 1-5:50pm in MSG 106.**

**Community First Aid and CPR**

	3365 HLTH	154A	(1)	8:30am-4pm	Sa	MSG 106	Layton
	3366 HLTH	154B	(1)	8:30am-4pm	Sa	MSG 106	Layton
	3367 HLTH	154C	(1)	8:30am-4pm	Sa	MSG 106	Layton

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.

**HISTORY****Western Civilization I (SS)**

	3346 HIST&	116A	(5)	10-10:50am	Daily	WSC 204	Peterson J
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Analysis of the development of major political, economic, social and cultural characteristics of Antiquity and Medieval Europe.

**US History I (SS)**

	3347 HIST&	146A	(5)	12-12:50pm	Daily	WSC 204	Peterson J
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Analysis of American history from the pre-invasion to the Antebellum Era. Emphasis will be on the political, social, and economic changes.

**US History II (SS)**

☞	3348 HIST&	147AP1	(5)	Online			Mayfield
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Analysis of American history from Antebellum Era to the Progressive Era. Emphasis will be on the political, social, and economic changes.

**US History III (SS)**

☞	3350 HIST&	148A4	(5)	9-9:50am	Daily	WAH 113	Mayfield
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Analysis of American history from World War One to the present. Emphasis will be on the political, social, and economic changes.

**HUMAN RELATIONS****Human Relations-Workplace**

☞	3344 H R	110A3	(5)	10-10:50am	MWF	WAH 109	Smejkal
☞	3343 H R	110B3	(5)	11-11:50am	MWF	WSC 108	Staff
☞	3345 H R	110CP1	(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. Lab fee \$5.

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

☞	3368 HUM	110A4	(5)	11-11:50am	Daily	WAH 105	Mitchler
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An interdisciplinary study of philosophy, literature, history and religion within Western and Oriental ethical systems of thought. It focuses on the importance of cultural values through a study of virtue, duty, utility, and rights.

**Humanities I (H)**

☞	3371 HUM&	116A4	(5)	9-9:50am	Daily	WAH 109	Mitchler
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A survey of the major movements in art, architecture, music, philosophy and literature in a historical context, from pre-history to 1400 C.E.

**Lyceum IV**

	3370 HUM	284A	(1)	1-1:50pm	W	WAH 103	Bannish
☐	3369 HUM	284R	(1)	12-12:50pm	W	MOR 101	Schinnell

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

## INFORMATION TECHNOLOGY

### Intro to Programming

☎	3372	I T	101A3	(5)	9-9:50am	MTWTh	WAH 211	Staff
☎	3373	I T	101B3	(5)	10-10:50am	MTWTh	WAH 211	Staff

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

### Intro to Windows OS

☎	3374	I T	117A4	(3)	8-8:50am	MWF	WAH 212	Staff
☎	3375	I T	117B4	(3)	9-9:50am	MWF	WAH 212	Staff
	3376	I T	117C	(3)	12-12:50pm	MWF	WAH 212	Staff

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

### Web Scripting 2

☎	3377	I T	121A3	(4)	11-11:50am	MTWTh	WAH 211	Staff
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A second course in Web Development. Focus is on modern, responsive, and accessible web design using the latest web specifications. Students will be publishing their work on a web server. Prerequisite: IT 119. Lab fee \$50.

### PC Operating Systems

☎	3378	I T	123A3	(5)	9-9:50am	MTWTh	WAH 216	Allison
☎	3379	I T	123B3	(5)	10-10:50am	MTWTh	WAH 216	Allison

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

### Computer Hardware

☎	3380	I T	124A3	(5)	11-11:50am	MTWTh	WAH 216	Allison
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This course is based on the CompTIA A+ certification materials. Material covered includes typical desktop computer components, storage devices, peripherals, expansion cards, display devices, custom configurations, computer networking. Pre-requisites: IT 123 or IT 125. Lab fee \$50.

### Advanced Networking

☎	3381	I T	202A3	(5)	1-1:50pm	MTWTh	WAH 216	Allison
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This second networking course is based on CompTIA Network+ certification materials. Material covered includes advanced concepts, implementation and terminology relating to LANs, WANs, VLANs, Routing and Wireless Networking. Pre-requisite: IT 201. Lab fee \$50.

### Object-Oriented Programming

☎	3383	I T	245A3	(4)	1-1:50pm	MTWTh	WAH 211	Taylor
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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.

### Computer Science I C++

☎	3239	CS&	131A3	(5)	2-2:50pm	MTWTh	WAH 211	Staff
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Intended as an introduction to programming. Emphasis is on the features of the "C" programming language with an introduction to C++ object oriented programming and good programming style. Lab fee \$31.88.

### Computer Science I Java

☎	3240	CS&	141A3	(5)	12-12:50pm	MWF	WAH 211	Staff
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A study of rapid application development (RAD) JAVA. Development of GUIs using Swing Technology. Object Oriented Programming as it is implemented in JAVA. Introduction to graphics, animation, and multi-threading. Prerequisite: MATH 099 or equivalent. Lab fee \$25.10.

## INTENSIVE ENGLISH PROGRAM

### Comprehension Language 1 - 4

☎	3387	IEP	070A4	(1-9)	1-2:50pm	Daily	WSC 110	Lovelett
☎	3389	IEP	072A4	(1-9)	1-2:50pm	Daily	WSC 110	Lovelett
☎	3391	IEP	074A4	(1-9)	1-2:50pm	Daily	WSC 110	Lovelett
☎	3393	IEP	076A4	(1-9)	1-2:50pm	Daily	WSC 110	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 - 3

☎	3388	IEP	071A4	(9)	9-10:50am	Daily	LIB 125	Burr
☎	3390	IEP	073A4	(9)	9-10:50am	Daily	LIB 125	Burr
☎	3392	IEP	075A4	(9)	9-10:50am	Daily	LIB 125	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.

### Communicative Language 4

☎	3394	IEP	077A4	(9)	9-10:50am	Daily	LIB 125	Burr
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In this Level 4 Comm Language course, students will develop speaking, grammar, and composition skills needed to succeed in subsequent liberal arts and technical/occupational courses. Prerequisite: Official Language Test score or Accuplacer score. Lab fee \$44.95.

## MATHEMATICS

### Basic Mathematics

☎	3407	MATH	095A4	(1-5)	9-9:50am	Daily	LIB 003B	Spitzer
☎	3409	MATH	095S4	(1-5)	4:30-6:50pm	MW	MOR 108	Winkler

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

### Pre-Algebra

☎	3411	MATH	096A4	(1-5)	7-7:50am	Daily	LIB 003B	Spitzer
☎	3412	MATH	096B4	(1-5)	10-10:50am	Daily	WSC 107	Staff
☎	3413	MATH	096C4	(1-5)	8-8:50am	Daily	LIB 112	Spitzer
☎	4126	MATH	096C4	(1-5)	11-11:50am	Daily	LIB 112	Brosz
☎	3414	MATH	096D4	(1-5)	1-2:15pm	MTWTh	LIB 003B	Spitzer
					1-2:15pm	MTWTh	LIB 112	Keahey
☎	3415	MATH	096N4	(1-5)	4:30-6:50pm	MW	LIB 112	Palkowski
☎	3416	MATH	096S4	(1-5)	4:30-6:50pm	MW	MOR 108	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. Students enrolling in sections A4, C4, D4, and N4 have the opportunity to complete MATH 096, 098 and 099 in one quarter.

**Algebra for Statistics**

☞ 3417 MATH 097A4 (5) 2-2:50pm Daily WSC 215 Brosz

An algebra course for students intending to enroll in MATH& 146, Introduction to Stats. This course does not meet the algebra prerequisite or other quantitative skills courses or for transfer to the University of Washington. Prerequisite: MATH 096 or Compass score of 78+. **This class is linked with 3445 MATH& 146B4 Introduction to Stats, -students must enroll in both classes.**

**Algebra I**

☞ 3418 MATH 098A4 (1-5) 7-7:50am Daily LIB 003B Spitzer  
 ☞ 3419 MATH 098B4 (1-5) 8-8:50am Daily LIB 112 Spitzer  
 ☞ 3420 MATH 098C4 (1-5) 10-10:50am Daily WSC 215 Brosz  
 ☞ 4127 MATH 098C4 (1-5) 11-11:50am Daily LIB 112 Brosz  
 ☞ 3421 MATH 098D4 (1-5) 1-2:15pm MTWTh LIB 003B Spitzer  
 ☞ 3423 MATH 098N4 (1-5) 4:30-6:50pm MW LIB 112 Palkowski  
 ☞ 3424 MATH 098S4 (1-5) 4:30-6:50pm MW MOR 108 Winkler  
 ☞ 3425 MATH 098TC4 (1-5) ARR MTWTh CTC Griffith  
 ☞ 3422 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. Students enrolling in sections A4, B4, D4, and N4 have the opportunity to complete MATH 096, 098, 099 in one quarter. Section TC4 is held at the Chehalis Tribal (Community) Center at 461 Secena Road in Oakville.

**Algebra II**

☞ 3426 MATH 099A4 (1-5) 7-7:50am Daily LIB 003B Spitzer  
 ☞ 4128 MATH 099F4 (1-5) 8-8:50am Daily LIB 112 Spitzer  
 ☞ 3427 MATH 099B4 (1-5) 9-9:50am Daily WSC 107 Staff  
 ☞ 3428 MATH 099C4 (1-5) 11-11:50am Daily LIB 0112 Brosz  
 ☞ 3430 MATH 099E4 (1-5) 1-2:15pm MTWTh LIB 003B Spitzer  
 ☞ 3431 MATH 099N4 (1-5) 1-2:15pm MTWTh LIB 112 Keahey  
 ☞ 3432 MATH 099S4 (1-5) 4:30-6:50pm MW LIB 112 Palkowski  
 ☞ 3429 MATH 099DP1 (1-5) 4:30-6:50pm MW MOR 108 Winkler  
 ☞ 3429 MATH 099DP1 (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. Students enrolling in sections A4, C4, E4, F4 and N4 have the opportunity to complete MATH 096, 098, 099 in one quarter.

**Math in Society (M)**

☞ 3436 MATH& 107A4 (5) 1-1:50pm Daily WSC 206 Griffith  
 ☞ 3437 MATH& 107BP1 (5) Online Staff

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

**Linear Algebra (M)**

☞ 3433 MATH 118A4 (5) 10-10:50am Daily WSC 108 Carlson C

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

**Pre-Calculus I (M)**

☞ 3438 MATH& 141A4 (5) 8-8:50am Daily WSC 110 Carlson C  
 ☞ 3439 MATH& 141B4 (5) 8-8:50am Daily WSC 111 Taylor  
 ☞ 3440 MATH& 141C4 (5) 12-12:50pm Daily WSC 108 Threapleton  
 ☞ 3442 MATH& 141DP1 (5) Online Kiekel

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)**

☞ 3443 MATH& 142A4 (5) 9-9:50am Daily WSC 110 Taylor

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**

☞ 3434 MATH 145A4 (1) 11-11:50am Daily WSC 205 Kiekel

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

**Class meets 9/17-10/5.**

**Introduction to Stats (M)**

☞ 3444 MATH& 146A4 (5) 12-12:50pm Daily WSC 213 Kiekel  
 ☞ 3445 MATH& 146B4 (5) 1-1:50pm Daily WSC 215 Kiekel  
 ☞ 3446 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. **Class 3445, section B4 is linked with 3417 MATH 097A4 Algebra for Statistics -students must enroll in both classes.**

**Calculus II (M)**

☞ 3449 MATH& 152A4 (5) 11-11:50am Daily WSC 109 Carlson C

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

**Discrete Math (M)**

☞ 3435 MATH 228A3 (5) 12-12:50pm MTWTh NRA Taylor  
 +1 hr/wk TBA

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

**MECHATRONICS****Electronics Assembly**

3333 ERA 101A (5) 12-12:50pm MWF TAC 331 Peterson D  
 9-9:50am TWThF TAC 331 Peterson D  
 3332 ERA 101B (5) 12-12:50pm MWF TAC 331 Peterson D  
 10-10:50am TWThF TAC 331 Peterson D

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

**Digital Electronics**

3334 ERA 212A (4) 8-8:50am Daily TAC 331 Peterson D

Digital logic systems and devices, boolean and hexadecimal numbering systems, combinational logic sequences and application of logic systems. Lab section emphasizes safety and electro-static discharge avoidance. Prerequisites: MATH 115, ERA 115. Lab fee \$29.61.

**Industrial Computer Operations**3450 MEC 105A (2) 10-10:50am MWF TAC 332 Steidel  
3451 MEC 105B (2) 11-11:50am MWF TAC 332 Steidel

Best practices for computer operations in an industrial environment. Topics include Microsoft Windows operating system navigation, hardware maintenance and various industrial software interfaces. Lab fee \$33.50.

**Mechanical Systems**3452 MEC 151A (5) 8-8:50am MWF TAC 333 Steidel  
8-9:50am TTh TAC 333 Steidel  
3453 MEC 151B (5) 8-8:50am MWF TAC 333 Steidel  
10-11:50am TTh TAC 332 Steidel

Introduction to mechanical system components and safe operation of mechanical drive systems. Simple machines, basic drive systems, and operation of various tools will be studied. Lab fee \$83.75

**Sensors and Instruments**3454 MEC 220A (5) 12-12:50pm MWF TAC 333 Staff  
12-1:50pm TTh TAC 332 Staff

Examination of sensors and diagnostic tools used in industrial environments. Electrical and mechanical measurement instruments will be studied and troubleshooting steps performed to prove competency. Control systems will also be studied. Prerequisite MEC 151. Lab fee \$83.75.

**Industrial Electronics**

3455 MEC 250A (2) 9-9:50am MWF TAC 331 Steidel

Study of electricity in an industrial facility. Topics covered will focus on 3-phase power analysis and motion control devices including motors, motor drivers and controls. Pre-requisite: MEC 116 or equivalent knowledge of AC electricity. Lab fee \$33.50.

**Allen Bradley PLCs**3456 MEC 260A (5) 11-11:50am MWF TAC 333 Peterson D  
12-1:50pm TTh TAC 333 Peterson D

Study of Allen Bradley programmable logic controllers. Input and output modules will communicate with peripheral devices such as sensors, motors, lights and relays. Heavy emphasis on ladder logic, safety, troubleshooting and efficiency. Lab fee \$83.75.

**Siemens PLCs**

3457 MEC 261A (3) 2-2:50pm MTWTh TAC 333 Peterson D

Study of Siemens programmable logic controllers. Siemens SIMATIC equipment and STEP7 software will be used to construct basic PLC systems. Heavy emphasis on Siemens ladder logic, safety, troubleshooting and efficiency. Prerequisite: MEC 260. Lab fee \$50.25.

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

3399 M ST 126A4 (1) 2-2:50pm M WAH 113 Fisher

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

**Intro to Radio Broadcasting (C)**

3400 M ST 230A4 (5) 12-12:50pm Daily WAH 111 Fisher

As an introduction to radio broadcasting you will learn about programming philosophies, announcing skills, production techniques, copy writing and the FCC rules and regulations that apply to the industry. Lab fee \$17.94.

**Intro to TV & Video Production**3401 M ST 260A4 (5) 1-1:50pm MWF WAH 105 Fisher  
1-2:50pm TTh WAH 140 Fisher

Learn studio and control room operations, field and studio camera techniques, basic script writing and video editing. At the end of the quarter students will be able to write, produce and edit short videos. Lab fee \$17.94.

**Radio Broadcasting Internship**3402 M ST 271A4 (1) ARR ARR WAH 140 Fisher  
3403 M ST 272A4 (2) ARR ARR WAH 140 Fisher  
3404 M ST 273A4 (3) ARR ARR WAH 140 Fisher  
3405 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**

3406 M ST 281A4 (1) ARR ARR WAH 140 Fisher

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

**MEDICAL ASSISTANT****MA Medical Terminology**

3395 MA 139A3 (5) 9-9:50am MTWTh TAC 122 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.

**Medical Assisting Intro**

3396 MA 140A (5) 1-2:50pm MTW TEC 115 Speer

An introduction to the profession of medical assisting in the ambulatory health care setting. Designed to explore the medical assistant as a valuable member of the health care team. Lab fee \$33.

**MA Clinical Procedures**3397 MA 241A3 (6) 1-2:20pm MTWTh WAH 146 Boerner  
9am-12pm F WAH 146 Boerner

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

**MA Admin Procedures**

3398 MA 249A3 (8) 10-11:50am MTWTh WAH 212 Boerner

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

## MUSIC

**Fundamentals of Music (H)**

☞ 3462 MUSC 100A4 (5) 8-8:50am Daily WAH 125 Odonel

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

**Music Appreciation (D)(H)**

☞ 3512 MUSC&105AP1 (5) Online May

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

**Jazz Ensemble I - VI**

☞ 3463 MUSC 124N4 (2) 5-6:50pm TTh WAH 107 Lopez

☞ 3464 MUSC 125N4 (2) 5-6:50pm TTh WAH 107 Lopez

☞ 3465 MUSC 126N4 (2) 5-6:50pm TTh WAH 107 Lopez

☞ 3466 MUSC 127N4 (2) 5-6:50pm TTh WAH 107 Lopez

☞ 3467 MUSC 128N4 (2) 5-6:50pm TTh WAH 107 Lopez

☞ 3468 MUSC 129N4 (2) 5-6:50pm TTh WAH 107 Lopez

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**

3469 MUSC 135A (2) 1:30-3pm TTh WAH 107 Tillinghast

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

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

3470 MUSC 139A (5) 9-9:50am Daily WAH 103 Odonel

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

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

☞ 3471 MUSC 140AP1 (5) Online May

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

**Music Theory I (H)**

☞ 3513 MUSC&141A4 (5) 10-10:50am Daily WAH 125 May

A study of musical concepts, such as pitch and rhythmic notation, scales and modes, key signatures, intervals, seventh chords and triads. Prerequisite: MUSC 100 or placement by instructor.

**Concert Choir I - VI**

3472 MUSC 144A (2) 2:15-4:10pm MW WAH 107 Jardine-Tobi

3473 MUSC 145A (2) 2:15-4:10pm MW WAH 107 Jardine-Tobi

3474 MUSC 146A (2) 2:15-4:10pm MW WAH 107 Jardine-Tobi

3475 MUSC 147A (2) 2:15-4:10pm MW WAH 107 Jardine-Tobi

3476 MUSC 148A (2) 2:15-4:10pm MW WAH 107 Jardine-Tobi

3477 MUSC 149A (2) 2:15-4:10pm MW WAH 107 Jardine-Tobi

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

**Applied Flute**

3478 MUSC 150A (1) ARR ARR ARR Odonel

**Functional Piano I**

3479 MUSC 151A (1) 4:15-5pm MW WAH 125 Jardine-Tobi

Functional piano study/skill for music majors. A practical course to accompany the music theory courses. Co-requisite: Simultaneous enrollment in music theory class

**Applied French Horn**

3480 MUSC 154A (1) ARR ARR ARR Blaser

**Applied Trumpet**

3481 MUSC 155A (1) ARR ARR ARR Blaser

**Applied Trombone**

3482 MUSC 156A (1) ARR ARR ARR Blaser

3483 MUSC 156B (1) ARR ARR ARR Lopez

**Applied Tuba**

3484 MUSC 157A (1) ARR ARR ARR Blaser

**Applied Euphonium**

3485 MUSC 158A (1) ARR ARR ARR Blaser

**Applied Percussion**

3486 MUSC 159A (1) ARR ARR ARR Blaser

**Applied Piano**

☞ 3487 MUSC 160A4 (1) ARR ARR ARR May

**Applied Violin**

3488 MUSC 161A (1) ARR ARR ARR Scarborough

**Applied Viola**

3489 MUSC 162A (1) ARR ARR ARR Scarborough

**Applied Cello**

3490 MUSC 163A (1) ARR ARR ARR Staff

**Applied Double Bass**

3491 MUSC 164A (1) ARR ARR ARR Staff

**Applied Guitar**

3492 MUSC 165A (1) ARR ARR ARR Tillinghast

**Applied Saxophone**

3493 MUSC 166A (1) ARR ARR ARR Blaser

**Applied Voice**

3494 MUSC 167A (1) ARR ARR ARR Colgan

**Applied Composition**

☞ 3495 MUSC 168A4 (1) ARR ARR ARR May

**Applied Clarinet**

3496 MUSC 169A (1) ARR ARR ARR Blaser

**Applied Oboe**

3497 MUSC 170A (1) ARR ARR ARR Blaser

**Applied Bassoon**

3498 MUSC 171A (1) ARR ARR ARR Staff

**Applied Harp**

3499 MUSC 172A (1) ARR ARR ARR Scott

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

### Community Band I - VI

3500	MUSC	175A	(2)	7-9pm ARR	T T	WAH 150 WAH 150	Blaser Blaser
3501	MUSC	176A	(2)	7-9pm ARR	T T	WAH 150 WAH 150	Blaser Blaser
3502	MUSC	177A	(2)	7-9pm ARR	T T	WAH 150 WAH 150	Blaser Blaser
3503	MUSC	178A	(2)	7-9pm ARR	T T	WAH 150 WAH 150	Blaser Blaser
3504	MUSC	179A	(2)	7-9pm ARR	T T	WAH 150 WAH 150	Blaser Blaser
3505	MUSC	180A	(2)	7-9pm ARR	T T	WAH 150 WAH 150	Blaser Blaser

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

### Community Orchestra I - VI

3506	MUSC	185A	(2)	7-9pm ARR	M M	WAH 150 WAH 150	Friedlander Friedlander
3507	MUSC	186A	(2)	7-9pm ARR	M M	WAH 150 WAH 150	Friedlander Friedlander
3508	MUSC	187A	(2)	7-9pm ARR	M M	WAH 150 WAH 150	Friedlander Friedlander
3509	MUSC	188A	(2)	7-9pm ARR	M M	WAH 150 WAH 150	Friedlander Friedlander
3510	MUSC	189A	(2)	7-9pm ARR	M M	WAH 150 WAH 150	Friedlander Friedlander
3511	MUSC	190A	(2)	7-9pm ARR	M M	WAH 150 WAH 150	Friedlander Friedlander

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

### Music Theory IV (H)

3514	MUSC&241A4	(5)	2-2:50pm	Daily	WAH 125	May
3515	MUSC&241BP1	(5)	Online			May

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

## NURSING

### Basic Nursing Care Concepts

3516	NURS	101A4	(12)	ARR ARR	Daily Daily	WSC 202 WSC 202	Staff Staff
3517	NURS	101B4	(12)	ARR ARR ARR	Daily Daily Daily	WSC 202 WSC 202 WSC 202	Capen Schuchmann Staff

Program themes of homeostasis, the role of the nurse, and continuum of care are applied at on-campus theory and skills labs and off-campus clinical experiences at assisted living and long-term care facilities. Prerequisite: admission to the Centralia College Nursing Program. Lab fee \$209.55.

### Mental Health & Lifespan

3518	NURS	201A4	(10)	ARR	Daily	WSC 202	Gustafson
3519	NURS	201B4	(10)	ARR	Daily	WSC 202	Sullivan

Progressive competencies reflecting program themes are applied to the care of clients with mental health alterations, complications of child-bearing and high-risk newborns and children. Community-based and in-patient clinical experiences are provided. Corequisite: NURS 101, 102 & 103 or equivalent. Lab fee \$220.81.

### Basic Life Support for Healthcare Providers

3520	NURS	210A	(1)	9am-2pm	ARR	MSG 106	Layton
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Covers the information and skills needed for adult, child, and infant cardiopulmonary resuscitation; the use of an automated external defibrillator; recognition and treatment of choking; safety factors in training and actual rescue. Corequisite: admission to the nursing program or permission of the instructor. Lab fee \$36.52.

### Management & Leadership

3521	NURS	220A4	(2)	ARR	Daily	WSC 202	Schuchmann
3522	NURS	220B4	(2)	ARR	Daily	WSC 202	Gustafson

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

## NURSING ASSISTANT

### Basic Life Support for Healthcare

3351	HLSV	110A	(1)	ARR	ARR	TEC 159	Layton
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Course covers the information and skills needed for adult, child, and infant cardiopulmonary resuscitation; the use of an automated external defibrillator; recognition and treatment of choking; safety factors in training and actual rescue. Lab fee \$15.

### Nursing Assistant Certification

3352	HLSV	131A	(9)	8am-12pm 5:45am-12pm	MTWTh ARR	TEC 115 SCC	Speer Speer
3353	HLSV	131B	(9)	8am-12pm 5:45am-12pm	MTWTh Daily	TEC 115 TEC 115	Speer Speer

Awareness of the role of the nursing assistant in nursing care and skill development. Topics: maintain a safe environment, provide restorative care, communication, and practice basic concepts of care. Background check is required for clinical. Lab fee \$192.58.

## NUTRITION

### Nutrition (NS)

3523	NUTR& 101A4	(5)	8-8:50am	Daily	WSC 109	Jewell
3524	NUTR& 101BP1	(5)	Online			Ibrahim

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

## OCEANOGRAPHY

### Intro to Oceanography (NS)

3526	OCEA& 101A4	(5)	11-11:50am 1-2:50pm	MTWTh Th	WSC 204 WSC 303	Norton Norton
3527	OCEA& 101B4	(5)	11-11:50am 3-4:50pm	MTWTh Th	WSC 204 WSC 303	Norton Norton
3528	OCEA& 101CP1	(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. Lab fee \$17.94.

## PHILOSOPHY

### **Intro to Philosophy (H)**

☯ 3567 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)**

☯ 3566 PHIL 103AP1 (5) Online Diamant  
Focus on choices made in concrete circumstances. Study traditional ethical theories and present-day moral dilemmas.

## PHYSICAL EDUCATION

### **Basketball**

3529 P E	103A	(1)	ARR	ARR	ARR	Sells
3530 P E	103B	(1)	ARR	ARR	ARR	Moir

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

### **Soccer Fundamentals**

3531 P E	108A	(1)	ARR	ARR	ARR	Malunat
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This course will cover the basic skills and techniques of soccer. Includes team defense and team offense. Lab fee \$3.10.

### **Physical Fitness (HF)**

☐ 3533 P E 110R (1) 9:30-10:20am TTh MOR 101 Jones  
Study all five areas of fitness: aerobic endurance, muscle strength, muscle endurance, flexibility, and body composition. Students work at their own fitness levels. Lab fee \$3.10.

### **Volleyball**

3534 P E	115A	(1)	12-12:50pm	TTh	MSG 103	Ewings
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This course will cover the fundamental skills and techniques of beginning volleyball. Includes basic rules, scoring and strategy. Lab fee \$3.10.

### **Lifestyle Management and Exercise (HF)**

☯ 3535 P E 120A4 (2) 9-9:50am MWF MSG 125 Oien  
Designed to assist individual in making life style changes associated with health and fitness. Lab fee \$3.10.

### **Super Circuits**

4133 P E	122A	(1)	11-11:50am	TTh	MSG 125	Oien
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Resistance and cardio training techniques are used to improve endurance and build strength. Circuit training utilizes a variety of movements into the workout for a full body challenge. Lab fee \$3.10.

### **Basic Weight Training/Conditioning (HF)**

☯ 3536 P E 123A4 (1) 10-10:50am MW MSG 125 Oien  
Designed to condition the musculature of the body using machine and free weights. Lab fee \$3.10.

### **Free Weights (HF)**

3537 P E	125A	(1)	10-10:50am	TTh	MSG 130	Oien
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Designed to develop muscle fitness through lifting free weights, Olympic lifts, plyometrics and power lifting. Students need prior weight training experience. Lab fee \$3.10.

### **Volleyball Applications**

3538 P E	139N	(3)	ARR	ARR	ARR	Gordon
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A course designed to provide experiences in advanced strategies, skills, and team concepts of volleyball. Prerequisite: PE 115 or instructor permission. Lab fee \$3.10.

### **Cardio Combo (HF)**

☯ 3539 P E	142A4	(1)	10-10:50am	TTh	MSG 200	Goss
☯ 4116 P E	142N4	(1)	5-5:50pm	TTh	MSG 200	Goss

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

### **Yoga (HF)**

☯ 3540 P E	150A4	(1)	9-9:50am	TTh	MSG 200	Goss
☯ 3541 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)**

☯ 3542 P E	152A4	(1)	11-11:50am	MW	MSG 200	Oien
☯ 3543 P E	152B4	(1)	4-4:50pm	MW	MSG 200	May
☐☯ 3544 P E	152R3	(1)	4:30-5:20pm	Th	MOR 101	Johnson C

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

### **Tai Chi Basics (HF)**

3545 P E	153A	(1)	8-8:50am	MW	MSG 200	Barr
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Develop balance, lower-body strength and relaxation in motion with Wu Style Tai Chi. Students will work at their own level of fitness. Lab fee \$3.10.

### **Beginning Tae Kwon Do (HF)**

3546 P E	158N	(2)	6-8pm	MW	MSG 200	Grove
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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**

3547 P E	159N	(2)	6-8pm	MW	MSG 200	Grove
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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**

3548 P E	160N	(2)	6-8pm	MW	MSG 200	Grove
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Further development of the techniques, forms, the sport, and self defense aspects required to advance to blue and orange belt in the Korean martial art of Tae Kwon Do. Lab fee \$3.10.

### **Softball Fundamentals**

3549 P E	162A	(1)	ARR	MWF	CEN	Slorey
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A mental and physical approach to the fundamentals of fastpitch softball. An emphasis will be placed on the basic skills and concepts needed to play the game effectively. Lab fee \$3.10.

### **Baseball Fundamentals**

3550 P E	166A	(1)	ARR	ARR	ARR	LeDuc
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On-the-field practice in development of the basic fundamentals of baseball. Emphasis on basic skills and conditioning. Lab fee \$18.75.

### **Basketball Fundamentals**

3551 P E	167A	(1)	ARR	ARR	ARR	Sells
3552 P E	167B	(1)	ARR	ARR	ARR	Moir

This course will implement basic fundamentals with theory of various phases of the game. Conditioning for a lifetime activity is an important aspect of the course. Lab fee \$3.10.



**Lifetime Fitness (HF)**

☯	3553 P E	168A3 (2)	10-10:50am	F	MSG 106	Sanchez
			+2 hrs/wk	TBA		
☯	3554 P E	168B3 (2)	12-12:50pm	W	WAH 105	Sanchez
			+2 hrs/wk	TBA		

Cardiovascular endurance, muscle fitness, weight management and flexibility will be studied. One lecture hour and two hours of activity per week. Lab fee \$3.10.

**Advanced Basketball**

	3555 P E	203A (1)	ARR	ARR	ARR	Sells
	3556 P E	203B (1)	ARR	ARR	ARR	Moir

This course will review basic skills and techniques of basketball. Included in the course also will be advanced skills and techniques along with game strategies. Included team offense and team defense. Prerequisite: PE 103 or instructor permission. Lab fee \$3.10.

**Adv Soccer Fundamentals**

	3557 P E	208A (1)	ARR	ARR	ARR	Malunat
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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)**

□	3558 P E	210R (1)	9:30-10:20am	TTh	MOR 101	Jones
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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.

**Advanced Volleyball**

	3559 P E	215A (1)	12-12:50pm	TTh	MSG 103	Ewings
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Advanced techniques and skills included in competitive volleyball. Advanced offensive and defensive tactics and strategy will be covered. Prerequisite: PE 115 or instructor permission. Lab fee \$3.10.

**Physical Fitness Concepts (HF)**

☯	3560 P E	229AP1 (3)	Online			Johnson C
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A combination of theory and practice in the development of physical fitness. Two lecture hours and two activity hours per week. Lab fee \$3.10.

**Advanced Volleyball Applications**

	3561 P E	239N (3)	ARR	ARR	ARR	Gordon
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Provides experiences in advanced techniques and tactics needed to execute advanced team concepts of volleyball. Lab fee \$3.10.

**Advanced Softball Fundamentals**

	3562 P E	262A (1)	ARR	MWF	CEN	Slorey
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Continuation of the physical and mental skills needed for playing fastpitch softball. Emphasis will be on a variety of strategies utilized in the game of softball. Lab fee \$3.10.

**Advanced Baseball Fundamentals**

	3563 P E	266A (1)	ARR	ARR	ARR	LeDuc J
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On the field practice in development of the advanced fundamentals of baseball. Emphasis on advanced skills, strategies, and techniques. Prerequisite: PE 166 or instructor permission. Lab fee \$18.75.

**Advanced Basketball Fundamentals**

	3564 P E	267A (1)	ARR	ARR	ARR	Sells
	3565 P E	267B (1)	ARR	ARR	ARR	Moir

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

**PHYSICS****Engineering Physics I (NS)**

	3569 PHYS& 221A	(5)	8-8:50am	MTWTh	WSC 108	Threapleton
			1-2:50pm	M	WSC0106	Threapleton
	3570 PHYS& 221B	(5)	8-8:50am	MTWTh	WSC 108	Threapleton
			3-4:50pm	M	WSC0106	Threapleton

First in a three quarter calculus-based sequence for science and engineering majors stressing classical mechanics. Include dynamics of translational, rotation, and oscillatory systems of solids, particles and fluids. Prerequisite: MATH& 151; corequisite: MATH& 152. Lab fee \$17.94.

**Research in Physics**

	3568 PHYS 270A	(12)	ARR	ARR	ARR	Threapleton
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Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. Prerequisite: instructor permission.

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

	3571 POLS& 101A	(5)	9-9:50am	Daily	WSC 204	Peterson J
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Exploration of the fundamentals of political science: key concepts, principles, and theories. Analyze why and how leaders make the decisions they do, and why citizens obey most of these decisions.

**American Government (SS)**

☯	3572 POLS& 202AP1	(5)	Online			McCulloch
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Students will examine the American political structure and its ideological roots. We will explore how the structure is organized and how it operates.

**PSYCHOLOGY****General Psychology (SS)**

☯	3577 PSYC& 100AT4	(5)	9-9:50am	Daily	WSC 211	Starroff
☯	3578 PSYC& 100B4	(5)	10-10:50am	Daily	WSC 101	MacNamara
☯	3579 PSYC& 100C3	(5)	1:30-3:50pm	TTh	WSC 107	MacNamara
□☯	3582 PSYC& 100RT4	(5)	9-9:50am	Daily	MOR 110	Starroff
☯	3580 PSYC& 100DP1	(5)	Online			MacNamara
☯	3581 PSYC& 100EP1	(5)	Online			MacNamara

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

**Lifespan Psychology (SS)**

☯	3583 PSYC& 200AP1	(5)	Online			MacNamara
☯	3584 PSYC& 200BP1	(5)	Online			Osawa

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

**READING****Specific Reading Skill Development**

	3585 READ 097N	(1-3)	5-7:20pm	MW	WSC 110	Shriver
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This course is designed to provide students with opportunities to improve their reading specifically identified areas of need. Comprehension building, word attack skills, and content area reading are a few of the specific areas that can be targeted by this class.

**Improvement of Reading**

3586	READ	099A	(1-5)	11-11:50am	Daily	MSG 115	Shriver
3587	READ	099N	(1-5)	5-7:20pm	MW	WSC 110	Shriver

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

**Speed Reading**

3589	READ	110A	(3)	ARR	ARR	ARR	Shriver
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Self-paced course for students wishing to increase reading rate and comprehension using proper eye movements, improved vocabulary, and correct reading methods based on reading material. Prerequisite: college level reading and vocabulary skills.

**SOCIOLOGY****Intro to Sociology (SS)**

☞	3605	SOC&	101A4	(5)	8-8:50am	Daily	WSC 208	Coffman
☞	3606	SOC&	101B4	(5)	9-9:50am	Daily	WSC 215	Coffman
☞	3607	SOC&	101C4	(5)	11-11:50am	Daily	WAH 103	Coffman
☞	3608	SOC&	101DP1	(5)	Online			Medlin

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)**

☞	3609	SOC&	201A4	(5)	10-10:50am	Daily	WSC 208	Avalos
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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)**

☞	3604	SOC	225AP1	(5)	Online			Medlin
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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)**

☞	3610	SPAN&	121A4	(5)	8-8:50am	Daily	WSC 210	Gorecki
☞	3611	SPAN&	121B4	(5)	10-10:50am	Daily	WSC 210	Gorecki
☞	3612	SPAN&	121C4	(5)	1-1:50pm	Daily	WSC 210	Martinez
☞	3613	SPAN&	121DP1	(5)	Online			Martinez

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

**Spanish IV (H)**

☞	3615	SPAN&	221A4	(5)	11-11:50am	Daily	WSC 210	Gorecki
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Discuss Hispanic cultures in Spanish, develop oral and written skills, review and expand essential points of grammar, and build vocabulary. Prerequisite: SPAN& 123 or permission of instructor.

**STUDENT DEVELOPMENT****Study Skills**

☞	3591	SDEV	099N	(1-5)	5-7:20pm	MW	WSC 110	Shriver
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Students learn essential skills needed for effective study. Course includes learning style assessment, time management, study reading, memory techniques, test-taking strategies, and research techniques.

**Centralia College 101**

☞	3592	SDEV	101A4	(1)	<b>CANCELED</b>			
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An orientation class emphasizing utilization of campus resources and offering multiple workshops on library research skills, note taking, test taking, stress management, reading skills and memory improvement. Lab fee \$7.22.

**Career Planning**

☞	3593	SDEV	105AP1	(2)	Online			Staff
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Students identify their interests, skills and abilities and evaluate their personality styles, values and work environments as they relate to careers. Activities include interest inventory test, computer programs, job market research and informational interviewing. The format is lecture, discussion, group activities and individual projects. Lab fee \$17.94.

**Student Success**

☞	3596	SDEV	150A4	(3)	12-12:50pm	Daily	WSC 213	Burr
☞	3597	SDEV	150B4	(3)	1-1:50pm	MWF	WSC 107	Burr
☞	3600	SDEV	150R4	(3)	11:30am-12:50pm	TTh	MOR 108	Barnes

College success strategies; goal-setting, time management, memory improvement, textbook reading strategies, note-taking, test-taking, project management. Taught by lecture, group and individual work. Includes Saturday field trip for challenge course activities. Lab fee \$36.91. **Section A4 meets 9/17-10/22.**

**WELDING****SMAW Welding**

3617	WELD	161A	(12)	11am-2:50pm	Daily	TEC 103/105	Peters
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Shielded metal arc welding safety, joint design, electrode selection, welding machine setup and operations. Lab practice will include butt, lap, tee and corner joints in all positions. Weld testing and air carbon arc cutting included. Lab fee \$138.75.

**Metallurgy for Welders**

3618	WELD	167A	(3)	3-4:30pm	MTW	TEC 105	Peters
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Study of metals relevant to welding technology, extraction of metals from ores, refining metals, the manufacture of metal products, mechanical, physical and chemical properties of metals and the hardening, tempering and heat treating of metals. Lab fee \$8.

**Oxyacetylene and Gas Tungsten Arc Welding**

3619	WELD	180N	(5)	6-8:50pm	TTh	TEC 103	Bhagwandin
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Safety, setup, brazing, cutting, and welding in all positions using oxyacetylene and gas tungsten arc welding equipment. Lab fee \$73.78.

**Shielded Metal Arc Welding**

3620	WELD	181N	(5)	6-9pm	TTh	TEC 103	Bhagwandin
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Safety, setup, and welding in all positions using AC/DC arc welding equipment. Lab fee \$73.78.

**Gas Metal Arc Welding**

3621	WELD	182N	(5)	6-9pm	TTh	TEC 103	Bhagwandin
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Safety, setup, and welding in all positions using gas metal arc welding equipment. Lab fee \$73.78.

# 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/>

## Advanced Arc Welding

3622 WELD 265A (12) 8-11:50am Daily TEC 103/105 Driscoll  
Theory and practice of advanced shielded metal arc welding (SMAW) to prepare for the Washington Association of Building Officials (WABO) certification tests on plate and pipe. Prerequisite: GPA 2.0 or higher in WELD 129. Completion of year 1 welding. Lab fee \$138.75.

## Blueprint Reading

3623 WELD 271A (3) 12-1:30pm TTh TEC 105 Driscoll  
Fundamentals of drawing interpretation in the welding trade. Included are blueprint reading, welding symbols, fabrication techniques, identification of welds, and welding abbreviations. Prerequisite: WELD 126.

## Intermediate Accounting I

☎ 3083 ACCT 301N3 (5) **CANCELED**

The first 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 publically traded and privately held. Prerequisite: ACCT& 202 or permission.

## Audit & Fraud

☎ 4136 ACCT 402N3 (5) 6-7:50pm Th WSC 111 Staff  
This course is designed to teach the audit environment of professional financial accounting and reporting as it applies to fraud and internal controls. Prerequisite: ACCT& 202 or by permission.

## Prof & Org Communication

☎ 4102 CMST 330A3 (5) 11-11:50am Daily WSC 101 Staff  
☎ 3226 CMST 330A3 (5) 3-3:50pm Th WAH 205 McClain  
☎ 3227 CMST 330N3 (5) 7-8:50pm T WSC 111 Staff

Foundation course designed to develop effective written and verbal communication skills in organizational settings. Students will gain an appreciation for the crucial role communication plays in organizations and how to improve their employability.

## Applied Management

☎ 3247 DET 300A3 (5) 10am-12pm MTWTh TEC 159 Staff  
Introduces the principles and concepts of effective management including human resource management, quality control, social responsibility, decision-making, communication, conflict resolution and customer service. Prerequisite: enrollment in BAS-DT or permission. **Class meets 9/17-10/18.**

## Emissions Control

☎ 3248 DET 320A3 (5) 10am-12:50pm MTWTh TEC 159 Lucas  
11am-1:50pm MTWTh TEC 154 Lucas  
Course content will focus on the theory and application of diesel exhaust emissions reduction technology. Prerequisite: enrollment in BAS-DT or instructor permission. Lab fee \$75. **Class meets 10/22-12/3.**

## Shop/Fleet Management

☎ 3249 DET 430A3 (5) 10-10:50am MTWTh TEC 159 McCarthy  
11am-1:50pm MTWTh TEC 154 McCarthy

Introduction and explanation of day-to-day shop processes. Managerial skills, tasks, and responsibilities relevant to the diesel and heavy equipment industry will include: warranties, policies, cores, credits, paper in process, work orders, and budgeting. Prerequisite: enrollment in BAS-DT or instructor permission. Lab fee \$75. **Class meets 10/22-12/3.**

## Applied Failure Analysis

4120 DET 455A (5) 10-11:50am ARR TEC 104 Staff  
This course focuses on material failures, techniques of failure analysis, and examination/identification of failure root causes. Students will learn to interpret and explain their results to customers. Prerequisite: admittance into BAS-DT or administrative permission.

## Intro to Special Ed

☎ 3269 EDUC 300N3 (3) 5-6:20pm Th WSC 107 Rotter  
Provides an overview of the philosophical, historical and social implications of exceptional characteristics of students with disabilities, gifted and talented and English language learners.

## Diversity in Students

☎ 3269 EDUC 350N3 (3) 7-8:20pm T WSC 107 Flores  
Using theory, research and practice, students will understand and recognize issues of diversity. Behavioral supports will be assessed relative to vulnerable, special, and minority populations. Topics will include race, ethnicity, gender, class, sexuality, disability, and age. Prerequisite: admission to BAS-TE/Instructor Permission.

## Education and the Law

☎ 4124 EDUC 400N3 (5) 6:30-7:50pm Th NRA Staff  
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.

## Curriculum & Instruction

☎ 4123 EDUC 420N3 (5) 5-6:50pm T NRA Staff  
Explore a variety of evidence-based instructional strategies for successful education of students with differing social and cultural backgrounds, and learning styles. Plan and implement class activities that involve students in an active learning environment.

## Environmental Issues

☎ 3329 ENVS 440N3 (5) 5-6:50pm T WSC 206 Hueckel  
An exploration of environmental issues and their effect on business, communities and consumers. Case studies are used to examine basic concepts of ecology and environmental science as they relate to permitting and other business decisions. Prerequisite: lower division natural science course.

## Adv Web Applications

☎ 3385 IT 310A3 (5) 4-5:50pm TTh WAH 211 Staff  
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). Prerequisite: BAS-IT: AD admission or approval. Lab fee \$50

**Development Methodologies**

☎ 3386 I T 320A3 (5) 6-7:50pm TTh WAH 216 Staff

Students are introduced to formal software engineering methodologies. Various well known methodologies are covered through examination of case studies and in project work. Team development practices are emphasized. Prerequisite: BAS-IT: AD admission or approval. Lab fee \$50

**Adv. Data Access Techniques**

☎ 4137 I T 410A3 (5) 3-3:50pm MTWTh WAH 211 Staff

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

**Internship 1**

☎ 4138 I T 440A3 (5) 4-4:50pm MTWTh WAH 216 Staff

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

**Foundations of Mgmt**

☎ 4100 MGMT 300A3 (5) 9-9:50am Daily WSC 101 Staff

☎ 3458 MGMT 300N3 (5) 5-6:50pm T WSC 111 Smejkal

Foundation course that explores organizational theory and introduces the principles and concepts of effective management including planning, organizing, leading and controlling. Effective decision-making, change management and motivating employees will be discussed. Prerequisite: ENGL& 101 or instructor permission.

**Applied Financial Mgmt**

☎ 3459 MGMT 340N3 (5) 7-8:50pm T WSC 206 Staff

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

**Bus Prin, Plnng & Strategy**

☎ 3460 MGMT 360N3 (5) 6-7:50pm Th WSC 206 McClain

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

**Marketing for Managers**

☎ 4101 MGMT 380A3 (5) 10-10:50am Daily WSC 213 Staff

☎ 3461 MGMT 380N3 (5) 6-7:50pm Th WSC 109 Crawford

A core course designed to develop the marketing knowledge and skills necessary for the successful manager of a profit or non-profit organization. Students will develop and present a comprehensive marketing plan.

**Teaching Social Studies**

4121 SST 365N (5) 5-6:50pm M NRA Staff

4122 SST 365NN (5) 5-6:50pm T NRA Staff

Explores the specific concepts and topics in social studies. Applies methods used to teach through integrated thematic units of curriculum and instruction. Incorporating current research and best practices for teaching. Pre-requisite: Admittance to BAS-TE or Administrator approval.

## MORTON SPECIAL INTEREST

### **Pilates/Core**

3097 ASI 011R (1) 4:30-5:20pm Th MOR 101 Johnson C

An exercise class designed to teach breathing with movement, body mechanics, balance, coordination, spatial awareness, strength and flexibility. Lab fee \$5

### **Middle Eastern Dance**

3098 ASI 014S (1) 6:30-7:30pm T MOR Nixon

Learn and practice dance postures, flexibility, and dance movements traditional to Middle Eastern cultures. Discover rich and varied music and movement inherent in Middle Eastern dance. Dress for exercise. Lab fee \$5

### **Better Bones and Balance**

3099 ASI 015R (1.5) 9:30-10:20am 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. Lab fee \$5

### **Success & Leadership**

3100 ASI 033R4 (2) 11:30am-12:50pm TTh MOR 108 Barnes

The study of behavior, personality, self-management, self-development as it relates to academic, personal or workplace goals. Lab fee \$15

### **Health/Wellness Topics**

3101 ASI 038R3 (1-2) 3:30-4:20pm Th MOR Johnson C

An exploration of current personal health issues and a presentation of contemporary approaches to obtaining and maintaining a high level of wellness. Lab fee \$5

### **Community Speaker Series**

3103 ASI 063R (1) 12-12:50pm W MOR Schinnell

The community Speaker Series offers a variety of lectures on topics of current interest across a wide variety of disciplines. Lab fee \$5

## MORTON BUSINESS MANAGEMENT

### **Microsoft Excel-Brief**

3601 SMGT 120R (2) 1-3pm T MOR 112 Cantin

Courseware incorporates an accelerated, step-by-step, project-based approach, students develop an introductory level competency in Excel learning to create, edit, format, calculate and add special features to spreadsheets. Prerequisite: some computer experience. Lab fee \$3.13

### **Quickbooks**

4112 SMGT 161S3 (4) ARR TTh MOR 112 Germann

Courseware incorporates an accelerated, step-by-step, project based approach to creating a company, working with customer, vendor and banking transactions along with inventory, payroll, and balance sheet accounts. Use quick learning tutorials for audio instruction. Class fee \$

### **Microsoft Word**

3602 SMGT 197R (3) 1-3pm Th 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. Prerequisite: General understanding of personal computers and Windows. Lab fee \$3.13

### **Microsoft PowerPoint**

3603 SMGT 298R (3) 12:30-2:20pm T MOR 112 Cantin

Courseware incorporates a step-by-step, project-based approach, to develop competency in Microsoft PowerPoint learning to create, edit, and format professional presentations using tables, graphics, sound, animation, SmartArt and other common features. Lab fee \$3.13