



# Schedule



Summer  
2025

Summer term classes begin June 23 • [www.clackamas.edu](http://www.clackamas.edu) • Go Far, Close to Home.

# INDEX

## General Information

Clackamas in Your Community . . . . .	4
CCC Harmony Community Campus . . . . .	4
Community Education . . . . .	32
Dates to Remember/Calendar . . . . .	3

## Course Listings . . . . . 5-31

Anatomy & Physiology . . . . .	6
Anthropology . . . . .	5
Arboriculture (see <i>Horticulture</i> )	
Art . . . . .	5
Auto Body/Collision Repair and Refinishing . . . . .	5
Automotive Service Technology . . . . .	5
Biology . . . . .	6
Business Administration . . . . .	7
Business Technology . . . . .	8
Chemistry . . . . .	9
Communication Studies . . . . .	10
Computer Science . . . . .	10
Cooperative Work Experience . . . . .	11
Criminal Justice/Corrections . . . . .	11
Digital Media Communications . . . . .	11
Early Childhood Education . . . . .	12
Economics . . . . .	12
Education . . . . .	12
Electronics & Microelectronics . . . . .	13
Emergency Medical Technology . . . . .	13
English for Speakers of Other Languages	13
English Literature/Composition . . . . .	15
Ethnic Studies . . . . .	15
Family Studies . . . . .	15
Food & Nutrition . . . . .	66
Gardening (see <i>Horticulture</i> )	
GED-General Education Development . .	16
Geographic Information Systems (GIS) . .	16
Geography . . . . .	16
Geology . . . . .	17
Gerontology . . . . .	17
Greenhouse (see <i>Horticulture</i> )	
Health . . . . .	17
Health Professions . . . . .	17

History . . . . .	18
Horticulture/Arboriculture/Landscape/ Organic Farming . . . . .	18
Human Services . . . . .	18
Humanities . . . . .	19
Journalism . . . . .	19
Landscape (see <i>Horticulture</i> )	
Library . . . . .	20
Machine Tool Technology . . . . .	20
Manufacturing Engineering Technology . .	20
Manufacturing Technology . . . . .	20
Mathematics . . . . .	21
Media Studies (see <i>Digital Multimedia Communications</i> )	
Medical Billing and Coding . . . . .	23
Microbiology . . . . .	7
Microelectronics . . . . .	13
Music . . . . .	23
Music: Individual Lessons - Non-Music Majors . . . . .	23
Nursing . . . . .	24
Nursery (see <i>Horticulture</i> )	
Nutrition . . . . .	16
Organic Farming (see <i>Horticulture</i> )	
Philosophy . . . . .	25
Phlebotomy . . . . .	25
Physical Education . . . . .	25
Political Science . . . . .	25
Psychology . . . . .	25
Religion . . . . .	26
Renewable Energy Technology . . . . .	26
Small Business Development Center . . . .	26
Social Science . . . . .	27
Sociology . . . . .	27
Spanish (see <i>World Languages</i> )	
Speech (see <i>Communication Studies</i> )	
Statistics . . . . .	27
Water and Environment Technology . . . .	27
Welding Technology . . . . .	28
World Languages . . . . .	30
Writing . . . . .	30

## 3 Convenient Campuses

**Oregon City**  
19600 Molalla Ave.  
Oregon City, OR 97045

**Wilsonville**  
29353 SW Town Center Loop E.  
Wilsonville, OR 97070

**Harmony**  
7738 SE Harmony Road  
Milwaukie, OR 97222

### Non-Discrimination

*Clackamas Community College does not discriminate on the basis of race, color, religion, gender, sexual orientation, marital status, age, national origin/ancestry, disability, family relationship or any other protected status in accordance with applicable law. The college's commitment to nondiscrimination applies to curriculum activity and all aspects of operation of the college.*

# IMPORTANT DATES TO REMEMBER



<b>CLASS START/END DATES + FINANCIAL DEADLINES *</b>	<b>SUMMER TERM 2025</b>	<b>FALL 2025</b>	<b>WINTER 2026</b>
<b>Financial aid:</b> All required CCC financial aid documentation due to ensure funding for term	March 31	June 23	Sept. 29
<b>Registration begins</b>	May 12	May 19	Nov. 17
<b>Classes begin</b>	June 23	Sept. 29	Jan. 5
Last day to add classes without instructor consent	Instructor consent required once course begins		
Last day to drop a class with a refund (see p. 5 for more info)	July 6	Oct. 12	Jan. 18
Last day to drop classes and receive a "W" automatically	August 15	Nov. 21	Feb. 27
Last day to submit petition for graduation	August 1	Nov. 7	Feb. 13
Last day to change grading option	August 29	Dec. 5	March 13
Account balance due: \$100 non-payment fee applied if not paid	August 4	Nov. 7	Feb. 13
<b>Final week</b>	see syllabus	Dec. 8-13	March 16-21
<b>Last day of term</b>	Sept. 6	Dec. 13	March 21
Commencement: GED & Adult High School Diploma / College Certificate and Degree	Friday evening, June 13, 2025		

\* Deadlines are the end of the business day unless otherwise noted. All calendar dates are subject to change without prior notice.

## HOLIDAYS AND CAMPUS CLOSURES

<b>SUMMER TERM:</b> June 19 Juneteenth, July 3 Fourth on July, Sept. 1 Labor Day
<b>FALL TERM:</b> Nov. 11 Veterans Day, Nov. 27-28 Thanksgiving, Dec. 24-25 Winter Holiday
<b>WINTER TERM:</b> Jan. 1 New Years Day, Jan. 19 MLK Jr. Day, Feb. 16 Presidents Day

## FINAL EXAM SCHEDULE

Refer to your class syllabus or check with your instructor for the final week schedule. The final week schedule will be posted in your myClackamas account as soon as it is available.

# CLACKAMAS IN YOUR COMMUNITY

Credit and non-credit courses offered at Clackamas Community College sites near you Summer 2025

## Harmony Community Campus

Complete course information available in **Credit Course Listings**. Indicated with: **HAR**

### Biology

BI-112	GENERAL BIOLOGY FOR HEALTH SCIENCES	4 CREDITS
BI-112L	GENERAL BIOLOGY FOR HEALTH SCIENCES LAB	0 CREDIT

### Chemistry

CH-112	CHEMISTRY FOR HEALTH SCIENCES	4 CREDITS
CH-112L	CHEMISTRY FOR HEALTH SCIENCES LAB	0 CREDIT

### Communication Studies

COMM-111Z	PUBLIC SPEAKING	4 CREDITS
COMM-218Z	INTERPERSONAL COMMUNICATION	4 CREDITS

### Criminal Justice

CJA-101	CRIMINOLOGY	4 CREDITS
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### Emergency Medical Technology

EMT-102	EMERGENCY MEDICAL TECHNICIAN PART II	6 CREDITS
EMT-105	INTRODUCTION TO EMERGENCY MEDICAL SERVICES	3 CREDITS

### English for Speakers of Other Languages

ESOL-012	BEGINNING ESOL	0 CREDIT
ESOL-015	BEGINNING READING, WRITING, AND GRAMMAR	0 CREDIT
ESOL-020	UPPER BEGINNING GRAMMAR	0 CREDIT
ESOL-022	UPPER BEGINNING CONVERSATION	0 CREDIT
ESOL-030	INTERMEDIATE GRAMMAR A	0 CREDIT
ESOL-031	INTERMEDIATE GRAMMAR B	0 CREDIT
ESOL-033	INTERMEDIATE CONVERSATION 2	0 CREDIT
ESOL-043	UPPER INTERMEDIATE CONVERSATION 2	0 CREDIT
ESOL-053	ADVANCED COMMUNICATION SKILLS 2	0 CREDIT
ESOL-055	ADVANCED GRAMMAR C	0 CREDIT

ESOL-082	ASSESS/EVALUATE NEW STUDENTS	0 CREDIT
ESOL-083	EDUCATIONAL PLANNING FOR RETURNING STUDENTS	0 CREDIT

### Family Studies

HDF-260	UNDERSTANDING CHILD ABUSE AND NEGLECT	3 CREDITS
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### Food & Nutrition

FN-110	PERSONAL NUTRITION	3 CREDITS
FN-225	NUTRITION	4 CREDITS

### General Development Education (GED)

GED-011	GED IN ESPAÑOL	0 CREDIT
GED-015	GED PREPARATION	0 CREDIT

### Health Professions

HP-100	HEALTHCARE PROVIDER BLS/CPR, FIRST AID/BLOODBORNE PATHOGENS	1 CREDIT
HP-110	MEDICAL TERMINOLOGY	4 CREDITS

### Mathematics

MTH-060	ALGEBRA I	4 CREDITS
MTH-065	ALGEBRA II	4 CREDITS

### Nursing

NUR-100	NURSING ASSISTANT I	6.5 CREDITS
NUR-100C	NURSING ASSISTANT I CLINICAL	0 CREDIT

### Phlebotomy

PHB-125	PROFESSIONALISM IN HEALTHCARE	1 CREDIT
PHB-130	PHLEBOTOMY PRACTICUM	5 CREDITS

### Small Business Development Center

SBM-010	REAL ESTATE BROKER LICENSE	0 CREDIT
SBM-011	PROPERTY MANAGEMENT PRE-LICENSE	0 CREDIT
XSBM-0003	GOING INTO BUSINESS	0 CREDIT
XSBM-0011	QUICKBOOKS PRO: PART I	0 CREDIT
XSBM-0024	RECORDKEEPING & ESTIMATING	0 CREDIT

### Writing

WR-121Z	COMPOSITION I	4 CREDITS
WR-122Z	COMPOSITION II	4 CREDITS

**To register for these classes, see Credit course listing for time, date, course registration number.**

Course No	Course Title, Credits	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
Section No	Instructor	Tuition	Fee	Crs. Fee	

# COURSE LISTING

Credit and non-credit Courses offered Summer 2025

## Anthropology

### ANT-103 CULTURAL ANTHROPOLOGY, 4 CREDITS

Introduces the diversity of contemporary human cultures and the ways anthropologists study and compare them in an effort to understand how different societies organize their lives and make sense of the world around them. Explores the interrelationships among the various elements of culture.

**Recommended Prerequisites:** WRD-090 or placement in WRD-098

ONL NCT	<b>ANT-103-01</b>	<b>345041</b>			
	K. BACA	\$504.00	\$52.00	\$0.00	\$556.00
	Meets online: 6/23-8/14.				

## Art

### ART-100A JEWELRY MAKING TECHNIQUES, 1 CREDIT

Various topics will introduce techniques in: construction, forming, fabrication, soldering, inlay, etching, mold making, casting, stone setting, chain making and silversmithing. Students will be encouraged to create and design their own jewelry with both meaning and function. Historical and contemporary issues surrounding jewelry and body adornment will be presented and discussed during the course. May be repeated for up to 3 credits.

OC LCT	<b>ART-100A-01</b>	<b>340485</b>	<b>TTH</b>	<b>1-5:20 PM</b>	
	J. IJIMA	\$126.00	\$13.00	\$125.00	\$264.00
	Meets: 8/14-8/28. Focuses on Casting.				

### ART-131 INTRODUCTION TO DRAWING, 4 CREDITS

This course introduces students to basic skills, drawing tools, materials, techniques, and elements of composition; line, shape, and value. Projects will involve observational drawings of still lifes, landscapes, and the figural form. Assignments include drawings, assigned readings, video clips, and group critiques. Historical and contemporary issues of drawing will be examined.

OC	<b>ART-131-01</b>	<b>345053</b>	<b>MTWTH</b>	<b>10-3:50 PM</b>	
	D. ANDERSEN	\$504.00	\$52.00	\$80.00	\$636.00
	Meets: 6/23-7/10.				

### ART-281 PAINTING: STILL LIFE/BEGINNING, 4 CREDITS

Introduces basic painting tools, materials, techniques, and elements of composition, color, value, and space. Projects involve observational painting with a focus on Still Life and its relationship to volume and form on a two-dimensional plane. Course includes painting, readings and group critiques.

**Prerequisites:** ART-131 or Student Petition

OC	<b>ART-281-01</b>	<b>345237</b>	<b>MTWTH</b>	<b>10-3:50 PM</b>	
	R. KALMAN	\$504.00	\$52.00	\$110.00	\$666.00
	Meets: 7/14-7/30.				

### ART-284 PAINTING: STILL LIFE/INTERMEDIATE, 4 CREDITS

**Campus Locations:**

**HAR:** Harmony Community Campus  
**OC:** Oregon City Campus  
**WILS:** Wilsonville Training Center  
**OFF:** Other Off-Campus Location

**Distance Education Notification:**

**ONL:** Online Only  
**REM:** Remote (w/ scheduled meetings)  
**HYB:** In-person plus online work

Course No	Course Title, Credits	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
Section No	Instructor	Tuition	Fee	Crs. Fee	

Learn intermediate painting tools, materials, techniques, and elements of composition, color, value and space. Projects involve observational painting with a focus on Still Life and its relationship to volume and form on a two-dimensional plane. Course includes painting, readings and group critiques.

**Prerequisites:** ART-281 or Student Petition

OC	<b>ART-284-01</b>	<b>345238</b>	<b>MTWTH</b>	<b>10-3:50 PM</b>	
	R. KALMAN	\$504.00	\$52.00	\$110.00	\$666.00
	Meets: 7/14-7/30.				

## Auto Body/Collision Repair and Refinishing

*Must have ANSI approved eye protection first day and comply with College safety policy.*

### AB-101 AUTO RESTORATION, 3 CREDITS

Designed for students interested in auto body repair and painting their own vehicles. Includes dent removal, panel replacement, welding and painting. May be repeated for up to 12 credits.

OC LCT	<b>AB-101-01</b>	<b>340460</b>	<b>S</b>	<b>8-7:50 PM</b>	
	P. NESBITT	\$378.00	\$39.00	\$175.00	\$592.00
	Meets: 7/12, 7/26, 8/9, 8/23, & 9/6.				

OC LCT	<b>AB-101-02</b>	<b>340467</b>	<b>S</b>	<b>8-7:50 PM</b>	
	A. DANIEK	\$378.00	\$39.00	\$175.00	\$592.00
	Meets: 6/28, 7/19, 8/2, 8/16, & 8/30.				

### AB-105 STREET ROD CONSTRUCTION TECHNIQUES, 3 CREDITS

In this course, students will learn panel forming, welding, basic body work and repair of their own classics and special interest cars. Includes shop safety, chemical hazard safety, proper and safe use of tools, basic metal work and finishing, and paint preparation and application. May be repeated for up to 12 credits.

OC LCT	<b>AB-105-01</b>	<b>340468</b>	<b>MT</b>	<b>6:30-9:20 PM</b>	
	F. DAVIS	\$378.00	\$39.00	\$175.00	\$592.00
	Meets: 6/23-9/2.				

### AB-280 COLLISION REPAIR/CWE, 2-6 CREDITS (VAR)

Cooperative work experience. Work-based learning experience in an auto body repair shop. Required: Student Petition.

**Corequisites:** CWE-281

OC LCT	<b>AB-280-01</b>	<b>340469</b>			
	M. HOUSE	\$756.00	\$78.00	\$45.00	\$879.00V
	Meets: 6/23-9/6. Required: Student Petition. Corequisite: Take the following CWE-281-06.				

## Automotive Service Technology

*Must have ANSI approved eye protection first day and comply with College safety policy.*

### AM-106 FIX YOUR OWN CAR, 2 CREDITS

A do-it-yourself course for students who want to work on their own cars. Includes: oil change, lubrication, fluid checks, brakes, cooling system, electrical system, safety, and other quick services. May be repeated for up to 12 credits.

OC LCT	<b>AM-106-01</b>	<b>340473</b>	<b>S</b>	<b>8-4:20 PM</b>	
	L. BLAHUTA	\$252.00	\$26.00	\$63.00	\$341.00
	Meets: 7/5, 7/19, 8/2, 8/16 & 8/30.				

**Other Coding Translations:**

**TBA:** To be arranged: contact department first class  
**VAR:** Variable credit class

**ESPAÑOL:** Enseñado en español

**LCT:** Low-Cost Text  
**NCT:** No-Cost Text

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee	

**AM-118 SMALL ENGINE REPAIR, 4 CREDITS**  
 This course is designed to provide an overview of basic small engine maintenance, operation and repair. It covers safety, small engine theory, electrical systems, and troubleshooting. Classroom instruction covering theory of operation, 2 cycle and 4 cycle designs and applications, combined with hands-on live projects provides the student the opportunity to learn basic principles of small engine operation, including outdoor equipment, motorcycles, and A.T.V.'s.

OC LCT	<b>AM-118-01</b>	<b>340478 MT</b>		<b>6-9:50 PM</b>		
	T. CARLSON	\$504.00	\$52.00	\$25.00	\$581.00	
	Meets: 6/23-9/2.					

**AM-280 AUTO MECHANICS/CWE, 1-6 CREDITS (VAR)**  
 Cooperative work experience. Work-related learning experience in an auto repair shop or auto dealership. Required: Student Petition.

**Corequisites:** CWE-281

oc	<b>AM-280-01</b>	<b>340480</b>				
	N. ROBERTS	\$756.00	\$78.00	\$45.00	\$879.00V	
	Meets: 6/23-9/6. Required: Student Petition. Corequisite: Take the following CWE-281-06.					

**Biology**

**BI-101 GENERAL BIOLOGY; CELLULAR BIOLOGY, 4 CREDITS**  
 An inquiry-based laboratory course focusing on cellular biology, genetics, epigenetics, biotechnology and natural selection. Class uses student centered activities in a collaborative learning environment to enhance appreciation of the biological world.

**Corequisites:** BI-101L  
**Recommended Prerequisites:** MTH-060 or MTH-098 or placement in MTH-065; and WRD-098 or placement in WR-121Z

ONL	<b>BI-101-40</b>	<b>340497</b>				
	E. DEBEY	\$504.00	\$52.00	\$55.00	\$611.00	
	Labs are completed at home using a kit provided by the college. Corequisite: Take the following BI-101L-40.					

**BI-101L GENERAL BIOLOGY; CELLULAR BIOLOGY LAB, 0 CREDIT**  
 Lab course for BI-101

**Corequisites:** BI-101

ONL	<b>BI-101L-40</b>	<b>340499</b>				
	E. DEBEY	\$0.00	\$0.00	\$0.00	\$0.00	
	Corequisite: Take the following BI-101-40.					

**BI-102 GENERAL BIOLOGY; ANIMAL SYSTEMS, 4 CREDITS**  
 An inquiry-based laboratory course focusing on human and animal body systems; including teratogens, Hox genes and hormone mimics in embryonic development. Activities emphasize comparisons across animal phyla to better understand the diversity of life. The class uses student centered activities in a collaborative learning environment to enhance appreciation of the animal kingdom.

**Corequisites:** BI-102L  
**Recommended Prerequisites:** MTH-060 or MTH-098 or placement in MTH-065; and WRD-098 or placement in WR-121Z

ONL	<b>BI-102-40</b>	<b>340500</b>				
	N. SEFCIKOVA	\$504.00	\$52.00	\$55.00	\$611.00	
	Corequisite: Take the following BI-102L-40.					

**BI-102L GENERAL BIOLOGY; ANIMAL SYSTEMS LAB, 0 CREDIT**

**Campus Locations:**  
**HAR:** Harmony Community Campus  
**OC:** Oregon City Campus  
**WILS:** Wilsonville Training Center  
**OFF:** Other Off-Campus Location

**Distance Education Notification:**  
**ONL:** Online Only  
**REM:** Remote (w/ scheduled meetings)  
**HYB:** In-person plus online work

**Other Coding Translations:**  
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**VAR:** Variable credit class

**ESPAÑOL:** Enseñado en español  
**LCT:** Low-Cost Text  
**NCT:** No-Cost Text

Lab course for BI-102  
**Corequisites:** BI-102

ONL	<b>BI-102L-40</b>	<b>340502</b>				
	N. SEFCIKOVA	\$0.00	\$0.00	\$0.00	\$0.00	
	Corequisite: Take the following BI-102-40.					

**BI-103 GENERAL BIOLOGY; PLANTS & THE ECOSYSTEM, 4 CREDITS**

An inquiry-based laboratory course focusing on plants and the ecosystem; including plant identification, population dynamics, productivity and energy flow. Activities include an integrated approach to understanding environmental issues and the impact of humans on the biosphere. The class uses student centered activities in a collaborative learning environment to enhance appreciation of the biological world.

**Corequisites:** BI-103L  
**Recommended Prerequisites:** MTH-060 or MTH-098 or placement in MTH-065; and WRD-098 or placement in WR-121Z

ONL	<b>BI-103-40</b>	<b>340503</b>				
	K. OSTLUND	\$504.00	\$52.00	\$55.00	\$611.00	
	Corequisite: Take the following BI-103L-40.					

**BI-103L GENERAL BIOLOGY; PLANTS & THE ECOSYSTEM LAB, 0 CREDIT**

Lab course for BI-103  
**Corequisites:** BI-103

ONL	<b>BI-103L-40</b>	<b>340504</b>				
	K. OSTLUND	\$0.00	\$0.00	\$0.00	\$0.00	
	Corequisite: Take the following BI-103-40.					

**BI-112 GENERAL BIOLOGY FOR HEALTH SCIENCES, 4 CREDITS**

A one-term preparatory course that introduces the Health Occupations student to the scientific method, molecular and cellular biology, principles of inheritance, homeostasis, natural selection, tissues, and organ systems. Topics and skills covered prepare students to enter BI-231 and BI-234.

**Corequisites:** BI-112L  
**Recommended Corequisite:** CH-112  
**Recommended Prerequisites:** MTH-060 or MTH-098 or placement in MTH-065; and WRD-098 or placement in WR-121Z

ONL	<b>BI-112-15</b>	<b>340505</b>				
	TBA	\$504.00	\$52.00	\$55.00	\$611.00	
	Corequisite: Take the following BI-112L-15.					

**BI-112L GENERAL BIOLOGY FOR HEALTH SCIENCES LAB, 0 CREDIT**

Lab course for BI-112  
**Corequisites:** BI-112

HAR	<b>BI-112L-15</b>	<b>340507 W</b>		<b>9-11:50 AM</b>		
	TBA	\$0.00	\$0.00	\$0.00	\$0.00	
	Corequisite: Take the following BI-112-15.					

**BI-232 HUMAN ANATOMY & PHYSIOLOGY II, 4 CREDITS**

Lab course covering structure and function of the muscular, cardiovascular, lymphatic, and respiratory systems. Animal organ dissection required.

**Prerequisites:** BI-231 with a C or better  
**Corequisites:** BI-232L

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee	

OC HYB	<b>BI-232-01</b>	<b>340509 T</b>			<b>2:30 -4:30 PM</b>	
	B. KOP		\$504.00	\$52.00	\$55.00	\$611.00
Corequisite: Take the following BI-232L-01.						

**BI-232L HUMAN ANATOMY & PHYSIOLOGY II LAB, 0 CREDIT**

Lab course for BI-232

**Corequisites:** BI-232

OC HYB	<b>BI-232L-01</b>	<b>340511 TH</b>			<b>2:30 -5:20 PM</b>	
	TBA		\$0.00	\$0.00	\$0.00	\$0.00
Meets: 6/24-8/24. Corequisite: Take the following BI-232-01.						

**BI-233 HUMAN ANATOMY & PHYSIOLOGY III, 4 CREDITS**

Lab course covering neuroendocrine control, digestive, excretory and reproductive systems. Study of fluid, electrolyte and acid-base balance. Animal organ dissection required.

**Prerequisites:** BI-232 with a C or better

**Corequisites:** BI-233L

OC HYB	<b>BI-233-20</b>	<b>340516 T</b>			<b>6:30 -9:20 PM</b>	
	B. KOP		\$504.00	\$52.00	\$55.00	\$611.00
Corequisite: Take the following BI-233L-20.						

**BI-233L HUMAN ANATOMY & PHYSIOLOGY III LAB, 0 CREDIT**

Lab course for BI-233

**Corequisites:** BI-233

OC HYB	<b>BI-233L-20</b>	<b>340521 TH</b>			<b>6:30 -9:20 PM</b>	
	TBA		\$0.00	\$0.00	\$0.00	\$0.00
Meets: 6/24-8/24. Corequisite: Take the following BI-233-20.						

**BI-234 INTRODUCTORY MICROBIOLOGY, 4 CREDITS**

An introductory microbiology lab course required for health science and science majors. Includes characteristics, physiology and growth requirements of microorganisms, interactions between humans and microorganisms, immunology, infection, and principles of microbial control. This course emphasizes critical thinking and analytical skills in a collaborative laboratory environment.

**Prerequisites:** BI-101, BI-112 or BI-221Z

**Corequisites:** BI-234L

**Prerequisites:** CH-104, CH-112, or CH-221Z and CH-227Z

ONL	<b>BI-234-40</b>	<b>345181</b>				
	A. KAPILA		\$504.00	\$52.00	\$55.00	\$611.00
Meets: 6/23-8/14. Corequisite: Take the following BI-234L-40.						

**BI-234L INTRODUCTORY MICROBIOLOGY LAB, 0 CREDIT**

Lab course for BI-234

**Corequisites:** BI-234

ONL	<b>BI-234L-40</b>	<b>345182</b>				
	A. KAPILA		\$0.00	\$0.00	\$0.00	\$0.00
Meets: 6/23-8/14. Corequisite: Take the following BI-234-40.						

**Business Administration**

**BA-101Z INTRODUCTION TO BUSINESS, 4 CREDITS**

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	Instructor		Tuition	Fee	Crs. Fee	

	Presents an integrated view of both established and entrepreneurial businesses by studying their common characteristics and processes in a global context. Introduces theory and develops basic skills in the areas of accounting, finance, management, and marketing, with an emphasis on social responsibility and ethical practices. Explores how businesses can create value for themselves and society by addressing environmental and social challenges.					
<b>Recommended Prerequisites:</b> WRD-090 or placement in WRD-098						

ONL	<b>BA-101Z-01</b>	<b>340403</b>				
	B. FORNEY		\$504.00	\$52.00	\$48.75	\$604.75
Meets: 6/23-9/6. Online textbook included in section fees.						

ONL	<b>BA-101Z-02</b>	<b>340404</b>				
	S. RAHN		\$504.00	\$52.00	\$48.75	\$604.75
Meets: 6/23-8/14. Online textbook included in section fees.						

REM	<b>BA-101Z-03</b>	<b>340405 T</b>			<b>3-4:50 PM</b>	
	S. RAHN		\$504.00	\$52.00	\$48.75	\$604.75
Meets: 6/23-8/14. Online textbook included in section fees.						

**BA-111 GENERAL ACCOUNTING I, 3 CREDITS**

Introduces the terminology and processes of full-cycle, modified cash and accrual basis bookkeeping for small service and merchandising businesses with inventory. Focus is on how to analyze and record financial transactions, reconcile accounts and trial balances, and prepare basic financial statements. Additional topics include cash management, bank reconciliations, accounting for sales and purchase discounts. Emphasizes procedure and practice.

**Recommended Prerequisites:** Placement in MTH-020

ONL	<b>BA-111-01</b>	<b>340407</b>				
	J. SAN-CLAIRE		\$378.00	\$39.00	\$5.00	\$422.00
Meets: 6/23-8/14.						

**BA-131 INTRODUCTION TO BUSINESS COMPUTING, 4 CREDITS**

Introductory course using Microsoft Word, Excel, Access, and PowerPoint applications to create business documents.

**Required:** Access to the following: personal computer or laptop with MS Windows Operating System (Windows 10 or 11), Office 365 OR MS Office 2021, internet access (including email), or access to the CCC Dye Academic Computer Lab for completion of coursework

**Recommended Prerequisites:** WRD-090 or placement in WRD-098

ONL	<b>BA-131-01</b>	<b>340409</b>				
	B. FORNEY		\$504.00	\$52.00	\$130.00	\$686.00
Meets: 6/23-9/6. Online textbook included in section fees.						

ONL	<b>BA-131-02</b>	<b>340410</b>				
	B. FORNEY		\$504.00	\$52.00	\$130.00	\$686.00
Meets: 6/23-9/6. Online textbook included in section fees.						

**BA-169Z DATA ANALYSIS USING MICROSOFT EXCEL, 4 CREDITS**

Covers Microsoft Excel software skills necessary for evidence-based problem-solving, including workbook editing, formula creation, charting, and pivot tables. Emphasizes hands-on learning using Excel functions to perform data analysis to enhance decision-making.

**Prerequisites:** BA-131 or CS-120 or higher or placement into BA-169Z

ONL	<b>BA-169Z-30</b>	<b>340370</b>				
	D. HEINIG		\$504.00	\$52.00	\$73.43	\$629.43
Meets: 6/23-8/14. Online textbook included in section fees.						

**BA-205 BUSINESS COMMUNICATIONS WITH TECHNOLOGY, 4 CREDITS**

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total	Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee			Instructor		Tuition	Fee	Crs. Fee	

Students practice critical skills for successful communication in a business environment by employing a structured writing process, analyzing audience needs, and identifying and using appropriate communication channels and modalities. Students also work individually to produce a PowerPoint presentation with embedded narration and as team members to manage a comprehensive project and complete a business research paper.

**Recommended Prerequisites:** BA-131 and WR-121Z

ONL LCT	<b>BA-205-01</b>	<b>345082</b>											
	C. CHATTERTON		\$504.00	\$52.00	\$5.00	\$561.00							
	Meets: 6/23-8/14.												

**BA-208 EMPLOYEE AND LABOR RELATIONS, 4 CREDITS**

Provides a legal and historical overview of employee and labor relations in both union and non-union environments. Presents a realistic picture of collective bargaining and labor relations situations and highlights contemporary issues in employee relations, unions, bargaining units, and employee group representation.

ONL	<b>BA-208-01</b>	<b>340411</b>											
	M. MOISO		\$504.00	\$52.00	\$63.29	\$619.29							
	Meets: 6/23-8/14. Online textbook included in section fees.												

**BA-211Z PRINCIPLES OF FINANCIAL ACCOUNTING, 4 CREDITS**

Imparts an understanding of the purpose of accounting, common financial statement items, and the principles of internal controls. Focuses on recording the impact of economic events on account balances using U.S. Generally Accepted Accounting Principles, and the creation and analysis of financial statements to aid in external decision making.

**Prerequisites:** BA-101Z and BA-131

**Recommended Prerequisites:** BA-111, and MTH-050 or higher

ONL	<b>BA-211Z-01</b>	<b>340412</b>											
	J. SAN-CLAIRE		\$504.00	\$52.00	\$5.00	\$561.00							
	Meets: 6/23-8/14.												

**BA-213Z PRINCIPLES OF MANAGERIAL ACCOUNTING, 4 CREDITS**

Builds an understanding of the role of managerial accounting in a business, focusing on the development and use of information to evaluate production costs and operational performance in support of short- and long-term organizational decision-making.

**Prerequisites:** BA-211Z with a C or better

ONL	<b>BA-213Z-01</b>	<b>340413</b>											
	J. SAN-CLAIRE		\$504.00	\$52.00	\$5.00	\$561.00							
	Meets: 6/23-8/14.												

**BA-226Z INTRODUCTION TO BUSINESS LAW, 4 CREDITS**

Provides a comprehensive overview of U.S. business law, including the legal system, contracts, torts, intellectual property, agency, employment, and business organization forms. Emphasizes practical legal knowledge and explores how laws impact business operations, with a focus on risk management, contract disputes, business formation, and compliance with government regulation. Introduces legal challenges in business through real cases and legal terminology.

OC HYB	<b>BA-226Z-01</b>	<b>340415 T</b>				<b>10-11:50 AM</b>							
	M. MOISO		\$504.00	\$52.00	\$58.43	\$614.43							
	Meets: 6/23-8/14. Online textbook included in section fees. Class meets on-campus, Tuesday, June 24th from 10:00-11:50am; additional work assigned and completed online.												

**BA-270 SOCIAL MEDIA MARKETING, 4 CREDITS**

**Campus Locations:**

**HAR:** Harmony Community Campus  
**OC:** Oregon City Campus  
**WILS:** Wilsonville Training Center  
**OFF:** Other Off-Campus Location

**Distance Education Notification:**

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**REM:** Remote (w/ scheduled meetings)  
**HYB:** In-person plus online work

**Other Coding Translations:**

**TBA:** To be arranged: contact department first class  
**VAR:** Variable credit class

**ESPAÑOL:** Enseñado en español

**LCT:** Low-Cost Text  
**NCT:** No-Cost Text

This is an introductory course that provides an overview of social media and its role in marketing. Nearly everything consumers do is tracked online and this level of marketing analytics is assisting organizations develop a better understanding of consumer and market needs and trends. This course will seek to develop an understanding to how social media compliments marketing.

**Recommended Prerequisites:** WRD-090 or placement in WRD-098

ONL LCT	<b>BA-270-01</b>	<b>340416</b>											
	C. CHATTERTON		\$504.00	\$52.00	\$0.00	\$556.00							
	Meets: 6/23-8/14.												

**BA-280 BUSINESS/CWE, 2-6 CREDITS**

Cooperative work experience. On-the-job experience in a business related to the student's major course of study. Under supervision of instructor and employer. May be repeated for up to 6 credits. Required: Student Petition.

**Corequisites:** CWE-281

ONL LCT	<b>BA-280-01</b>	<b>340418</b>											
	B. FORNEY		\$756.00	\$78.00	\$45.00	\$879.00V							
	Meets: 6/23-9/6. Required: Student Petition. Corequisite: Take the following CWE-281-06.												

**BA-285 HUMAN RELATIONS IN BUSINESS, 4 CREDITS**

Introduces the theory and practical application of human relations at the individual, group, and organizational levels. Emphasizes psychological principles that help build relationships among employees and employers. Includes goal setting, motivation, communication, leadership, conflict management, and individual and group behavior.

ONL LCT	<b>BA-285-01</b>	<b>340419</b>											
	M. MOISO		\$504.00	\$52.00	\$48.75	\$604.75							
	Meets: 6/23-8/14. Online textbook included in section fees.												

**Business Technology**

**BT-120 PERSONAL KEYBOARDING, 2 CREDITS**

Basic instruction on electronic alphanumeric keyboard. Provides practice for speed and accuracy within an individual program. Students will also develop the necessary skills to effectively use the Internet, use email, and create simple documents within a Google email profile and/or Microsoft Word.

ONL LCT	<b>BT-120-01</b>	<b>340420</b>											
	S. SIMMONS		\$252.00	\$26.00	\$10.00	\$288.00							
	Meets: 6/23-8/14.												

ONL LCT	<b>BT-120-02</b>	<b>340421</b>											
	S. SIMMONS		\$252.00	\$26.00	\$10.00	\$288.00							
	Meets: 6/23-8/14.												

**BT-121 DATA ENTRY, 1 CREDIT**

This course is designed to teach the computer numeric keypad by touch with speed and accuracy using industry standards for data entry. This skill is especially helpful to people in the fields of data entry, accounting, office administration, insurance, banking and finance, and any other work that requires numeric input.

ONL LCT	<b>BT-121-01</b>	<b>340422</b>											
	S. SIMMONS		\$126.00	\$13.00	\$10.00	\$149.00							
	Meets: 6/23-8/14.												

ONL LCT	<b>BT-121-02</b>	<b>340423</b>											
	S. SIMMONS		\$126.00	\$13.00	\$10.00	\$149.00							
	Meets: 6/23-8/14.												



Course No	Course Title, Credits	Section No	Instructor	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Tuition	Fee	Time	Crs. Fee	Total
<b>BT-122</b>	<b>KEYBOARDING SKILLBUILDING, 2 CREDITS</b>									
	Designed to improve keyboarding proficiency using the standard keyboarding by touch method established within BT-120. Speed and accuracy on the keyboard will be further refined. Proper formatting of various types of business communication will be reviewed and established(emails, memos, block-style business letters). Students will utilize Microsoft Word and/or Google documents to create letters and memos.									
	<b>Prerequisites:</b> BT-120									
ONL LCT	<b>BT-122-01</b> 340424		S. SIMMONS			\$252.00	\$26.00	\$10.00		\$288.00
	Meets: 6/23-8/14.									
ONL LCT	<b>BT-122-02</b> 340425		S. SIMMONS			\$252.00	\$26.00	\$10.00		\$288.00
	Meets: 6/23-8/14.									
<b>BT-124</b>	<b>BUSINESS EDITING I, 3 CREDITS</b>									
	Course builds business communication skills through the study of the written communication process and the correct use of grammar, spelling, vocabulary, types of written business communication, and basic editing principles.									
	<b>Recommended Prerequisites:</b> WRD-090 or placement in WRD-098									
ONL LCT	<b>BT-124-01</b> 340426		S. SIMMONS			\$378.00	\$39.00	\$10.00		\$427.00
	Meets: 6/23-9/6.									
<b>BT-125</b>	<b>BUSINESS EDITING II, 3 CREDITS</b>									
	This course continues the study of professional editing and writing in a business office. The continued and correct use of acceptable spelling, grammar, and formatting of business documents will be covered in-depth, with increased practice in writing and editing skills in the composition of letters, memos, emails, reports, and presentations. Functional business reports will be covered in relation to written reports and proposals, as well as customer service phone etiquette and the creation of professional presentations for the workplace.									
	<b>Prerequisites:</b> BT-124 with a C or better									
ONL	<b>BT-125-01</b> 345083		S. SIMMONS			\$378.00	\$39.00	\$10.00		\$427.00
	Meets: 6/23-9/6.									
<b>Chemistry</b>										
<b>CH-104</b>	<b>INTRODUCTORY CHEMISTRY, 5 CREDITS</b>									
	A lab transfer course for students in nursing, allied health fields and liberal arts. Topics include: observation, measurement, composition, stoichiometry, atomic structure, periodic table, bonding and nomenclature.									
	<b>Corequisites:</b> CH-104L and CH-104S									
	<b>Prerequisites:</b> MTH-065 or MTH-098 or placement in MTH-095; and WRD-090 or placement in WRD-098									
ONL	<b>CH-104-40</b> 340522		G. BURGESS			\$630.00	\$65.00	\$50.00		\$745.00
	Corequisite: Take the following CH-104L-40, CH-104S-40.									
<b>CH-104L</b>	<b>INTRODUCTORY CHEMISTRY LAB, 0 CREDIT</b>									
	Lab course for CH-104									
	<b>Corequisites:</b> CH-104 and CH-104S									
oc	<b>CH-104L-40</b> 340527 TBA		G. BURGESS			\$0.00	\$0.00	\$0.00		\$0.00
	Open lab. Students must spend 3 hours per week in chem lab. Lab hours: Tuesday & Thursday 12-5pm. Corequisite: Take the following CH-104-40, CH-104S-40.									
<b>CH-104S</b>	<b>INTRODUCTORY CHEMISTRY SEMINAR, 0 CREDIT</b>									
	Seminar course for CH-104									
	<b>Corequisites:</b> CH-104 and CH-104L									
oc	<b>CH-104S-40</b> 340528 TH		TBA			\$0.00	\$0.00	\$0.00		\$0.00
	Corequisite: Take the following CH-104-40, CH-104L-40.									
<b>CH-105</b>	<b>INTRODUCTORY CHEMISTRY, 5 CREDITS</b>									
	A lab course discussing heat; molecular and ionic interactions in solids, liquids, gases, and solutions; chemical reactions including acid-base, electron transfer, and equilibrium.									
	<b>Prerequisites:</b> CH-104									
	<b>Corequisites:</b> CH-105L and CH-105S									
ONL	<b>CH-105-40</b> 340529		G. BURGESS			\$630.00	\$65.00	\$50.00		\$745.00
	Corequisite: Take the following CH-105L-40, CH-105S-40.									
<b>CH-105L</b>	<b>INTRODUCTORY CHEMISTRY LAB, 0 CREDIT</b>									
	Lab course for CH-105									
	<b>Corequisites:</b> CH-105 and CH-105S									
oc	<b>CH-105L-40</b> 340534 TBA		G. BURGESS			\$0.00	\$0.00	\$0.00		\$0.00
	Open lab. Students must spend 3 hours per week in Chem tutorial lab DJ242. Lab hours: Tuesday & Thursday 12-5 pm. Corequisite: Take the following CH-105-40, CH-105S-40.									
<b>CH-105S</b>	<b>INTRODUCTORY CHEMISTRY SEMINAR, 0 CREDIT</b>									
	Seminar course for CH-105									
	<b>Corequisites:</b> CH-105 and CH-105L									
oc	<b>CH-105S-40</b> 340535 T		G. BURGESS			\$0.00	\$0.00	\$0.00		\$0.00
	Corequisite: Take the following CH-105-40, CH-105L-40.									
<b>CH-106</b>	<b>INTRODUCTORY CHEMISTRY, 5 CREDITS</b>									
	A lab course discussing organic and biochemistry.									
	<b>Prerequisites:</b> CH-105									
	<b>Corequisites:</b> CH-106L and CH-106S									
ONL	<b>CH-106-40</b> 340536		G. BURGESS			\$630.00	\$65.00	\$50.00		\$745.00
	Corequisite: Take the following CH-106L-40, CH-106S-40.									
<b>CH-106L</b>	<b>INTRODUCTORY CHEMISTRY LAB, 0 CREDIT</b>									
	Lab course for CH-106									
	<b>Corequisites:</b> CH-106 and CH-106S									
oc	<b>CH-106L-40</b> 340537 TBA		G. BURGESS			\$0.00	\$0.00	\$0.00		\$0.00
	Open lab. Students must spend 3 hours per week in Chem tutorial lab DJ242. Lab hours: Tuesday & Thursday 12-5 pm. Corequisite: Take the following CH-106-40, CH-106S-40.									
<b>CH-106S</b>	<b>INTRODUCTORY CHEMISTRY SEMINAR, 0 CREDIT</b>									
	Seminar course for CH-106									
	<b>Corequisites:</b> CH-106 and CH-106L									

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**ESPAÑOL:** Enseñado en español

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Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,TH,F,S,SU)	Time	Total	Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,TH,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee			Instructor		Tuition	Fee	Crs. Fee	
OC	<b>CH-106S-40</b> 340539 T G. BURGESS Corequisite: Take the following CH-106-40, CH-106L-40.		\$0.00	\$0.00	\$0.00	\$0.00	OC NCT ESPAÑOL	<b>COMM-100ESZ-01</b> 340357 TTH J. CORTES Requerido: petición del estudiante.		\$0.00	\$0.00	\$0.00	\$0.00
	<b>CH-112 CHEMISTRY FOR HEALTH SCIENCES, 4 CREDITS</b> One-term preparatory chemistry course for students who want to take BI-231 and/or BI-234. Includes measurement; atomic structure; periodic table; bonding; nomenclature; heat; molecular and ionic interactions in solids; liquids and solutions; chemical reactions including acid-base; organic chemistry; and biochemistry. <b>Corequisites:</b> CH-112L <b>Prerequisites:</b> MTH-065 or MTH-098 with a C or better or placement in MTH-095 <b>Prerequisites:</b> WRD-090 or placement in WRD-098 <b>Recommended Corequisite:</b> BI-112							<b>COMM-100Z INTRODUCTION TO COMMUNICATION, 4 CREDITS</b> COMM-100Z is a survey course offering an overview of the communication discipline that emphasizes the development of best communication practices in different contexts.					
ONL	<b>CH-112-15</b> 340541 TBA Corequisite: Take the following CH-112L-15.		\$504.00	\$52.00	\$50.00	\$606.00	OC	<b>COMM-100Z-01</b> 345174 TTH J. HULT		\$504.00	\$52.00	\$0.00	\$556.00
	<b>CH-112L CHEMISTRY FOR HEALTH SCIENCES LAB, 0 CREDIT</b> Lab course for CH-112 <b>Corequisites:</b> CH-112							<b>COMM-111Z PUBLIC SPEAKING, 4 CREDITS</b> COMM-111Z emphasizes developing communication skills by examining and demonstrating how self-awareness, audience, content, and occasion influence the creation and delivery of speeches and presentations. <b>Prerequisites:</b> WRD-098 or placement in WR-121Z <b>Recommended Prerequisite or Corequisite:</b> FYE-101					
HAR	<b>CH-112L-15</b> 340546 W TBA Corequisite: Take the following CH-112-15.		\$0.00	\$0.00	\$0.00	\$0.00	REM NCT	<b>COMM-111Z-01</b> 340360 MW J. HULT Meets: 6/23-8/14.		\$504.00	\$52.00	\$20.00	\$576.00
	<b>CH-223 GENERAL CHEMISTRY, 5 CREDITS</b> A lab course discussing states of matter, solutions, acids and bases, electrochemistry, nuclear chemistry, and spectroscopy. Topics involving organic chemistry and biochemistry are introduced. <b>Prerequisites:</b> CH-222 with a C or better <b>Corequisites:</b> CH-223L and CH-223S						REM NCT	<b>COMM-111Z-03</b> 340362 MW A. MOSEY Meets: 6/23-8/14.		\$504.00	\$52.00	\$20.00	\$576.00
ONL	<b>CH-223-01</b> 340548 TBA Corequisite: Take the following CH-223L-01, CH-223S-01.		\$630.00	\$65.00	\$50.00	\$745.00	HAR NCT	<b>COMM-111Z-15</b> 340365 TTH J. HULT Meets: 6/23-8/14.		\$504.00	\$52.00	\$20.00	\$576.00
	<b>CH-223L GENERAL CHEMISTRY LAB, 0 CREDIT</b> Lab course for CH-223 <b>Corequisites:</b> CH-223 and CH-223S							<b>COMM-218Z INTERPERSONAL COMMUNICATION, 4 CREDITS</b> COMM-218Z increases the knowledge and use of competent communication skills to better understand oneself, others, and the role of communication in interpersonal relationships. <b>Recommended Prerequisites:</b> WRD-098 or placement in WR-121Z					
OC	<b>CH-223L-01</b> 340549 TH TBA Corequisite: Take the following CH-223-01, CH-223S-01.		\$0.00	\$0.00	\$0.00	\$0.00	HAR NCT	<b>COMM-218Z-15</b> 340366 TTH M. WILLIAMS Meets: 6/23-8/14.		\$504.00	\$52.00	\$0.00	\$556.00
	<b>CH-223SZ GENERAL CHEMISTRY III SEMINAR, 0 CREDIT</b> Seminar course for CH-223Z <b>Corequisites:</b> CH-223Z and CH-229Z							<b>COMM-280 SPEECH/CWE, 2-6 CREDITS</b> Cooperative work experience. Provides students with on-the-job experience in the field of communications. Required: Student Petition. <b>Corequisites:</b> CWE-281					
OC	<b>CH-223S-01</b> 340551 TH TBA Corequisite: Take the following CH-223-01, CH-223L-01.		\$0.00	\$0.00	\$0.00	\$0.00	ONL NCT	<b>COMM-280-01</b> 340367 K. HUGHES Meets: 6/23-8/14. Required: Student Petition.		\$756.00	\$78.00	\$45.00	\$879.00V

## Communication Studies

### COMM-100ESZ INTRODUCCIÓN A LA COMUNICACIÓN, 4 CREDITS

COMM-100ESZ es un curso de encuesta que ofrece una visión general de la disciplina de la comunicación que enfatiza el desarrollo de las mejores prácticas de comunicación en diferentes contextos.

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## Computer Science

### CS-120 SURVEY OF COMPUTING, 4 CREDITS

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,TH,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee	

A computer competency course to familiarize students with computer concepts, software applications and the implications of living in the digital age. Introduces students to computer concepts, including, but not limited to the Microsoft Windows environment, Microsoft Office Applications, hardware terminology, social media and the Internet.

**Prerequisites:** WRD-098 or placement in WR-121Z

ONL	<b>CS-120-30</b> 340368					
	M. SORRENTINO	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					

**CS-125H HTML & WEB SITE DESIGN, 4 CREDITS**

Hands-on approach to planning, design, and developing published web sites using HTML tags in a text editor. The class focuses on basic HTML coding using HTML 5 models. Hyperlinks, images, cascading style sheets, forms, accessibility and design principles will be covered, as well as tools such as FTP clients, accessibility checkers, and validators.

**Prerequisites:** BA-131 or CS-120 or higher or placement into CS-125H

ONL	<b>CS-125H-30</b> 340369					
	M. SORRENTINO	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					

**CS-160 COMPUTER SCIENCE ORIENTATION, 4 CREDITS**

Examines foundational computing subjects used in Computer Science and Information Technology. Topics include computer architecture, electronic logic, data representation, networking, algorithms and programming, which are used in successive Computer Science courses. Information about degrees in Computer Science and Information Technology is also covered.

**Recommended Prerequisites:** MTH-060 or placement in MTH-065

ONL	<b>CS-160-30</b> 340371					
	R. ALBERS	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					

**CS-170 PYTHON PROGRAMMING, 4 CREDITS**

This is an extensive look at the Python programming language. It covers variables, I/O, selection and repetition structures, functions, objects, classes, and exception handling.

**Prerequisites:** CS-162 or Student Petition

ONL	<b>CS-170-30</b> 345168					
	R. ALBERS	\$504.00	\$52.00	\$0.00		\$556.00
	Meets: 6/23-8/14.					

**CS-280 COMPUTER SCIENCE/CWE, 1-6 CREDITS**

Cooperative work experience. This course provides supervised work experience to supplement the academic classroom environment. Work examples include user support, work with computer applications or programming languages, installation or management PC computer systems, and developing websites. May be repeated for up to 9 credits. Required: Student Petition.

**Corequisites:** CWE-281

ONL LCT	<b>CS-280-01</b> 340372					
	J. MILLER	\$756.00	\$78.00	\$45.00		\$879.00V
	Meets: 6/23-9/6. Required: Student Petition. Restricted to Computer Science students. Corequisite: Take the following CWE-281-05.					

**Cooperative Work Experience**

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**ESPAÑOL:** Enseñado en español

**LCT:** Low-Cost Text  
**NCT:** No-Cost Text

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,TH,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee	

All students must register for the appropriate CWE course and a CWE Seminar as listed in the following section - Cooperative Work Experience Seminar. Instructor approval is required for all CWE courses. Note: day and time of CWE classes are arranged according to the student's work hours on the job. Students may earn a maximum of 6 CWE credits per term or a maximum of 12 CWE credits per year. Visit the department website at <https://www.clackamas.edu/cwe> or call 503-594-3511 for more information.

**CWE-281 COOPERATIVE WORK EXPERIENCE SEMINAR, 0 CREDIT**

The seminar provides an opportunity to develop the career management skills necessary to obtain, sustain, and advance in employment. Prepares students for career success. Variable Hours: 11-16 hours.

**Corequisites:** Program specific CWE course

OC	<b>CWE-281-01</b> 340321					
	D. GLASCOCK	\$0.00	\$0.00	\$0.00		\$0.00
	Required: Student Petition.					
ONL LCT	<b>CWE-281-03</b> 340322					
	M. LAFORCE	\$0.00	\$0.00	\$0.00		\$0.00
	Restricted to Water & Environmental Technology students only.					
ONL LCT	<b>CWE-281-04</b> 340323					
	M. LAFORCE	\$0.00	\$0.00	\$0.00		\$0.00
	Restricted to Water & Environmental Technology students only.					
ONL LCT	<b>CWE-281-05</b> 340324					
	J. MILLER	\$0.00	\$0.00	\$0.00		\$0.00
	Required: Student Petition. Restricted to Computer Science students only.					
ONL LCT	<b>CWE-281-06</b> 340325					
	J. STAPLETON	\$0.00	\$0.00	\$0.00		\$0.00

**Criminal Justice**

For more information on Criminal Justice, Corrections, credit for completion of D.P.S.S.T. or law enforcement academies contact Joanna Crawford at [joanna.crawford@clackamas.edu](mailto:joanna.crawford@clackamas.edu) or 503-594-6229.

**CJA-101 CRIMINOLOGY, 4 CREDITS**

Examines the social problem of crime, including the process of making and breaking laws as well as society's reaction to the phenomenon. Provides a multidisciplinary study of the causes of crime, including its distribution across social strata and demographics. Focuses on theories of criminal behavior and specific types of crime.

ONL LCT	<b>CJA-101-01</b> 340314					
	J. LOVELESS	\$504.00	\$52.00	\$0.00		\$556.00
	Meets: 6/24-8/15.					

**Digital Media Communications**

**DMC-280 DIGITAL MEDIA COMMUNICATIONS/CWE, 3-6 CREDITS**

Cooperative work experience. Provides students with on-the-job work experience in the field of media studies. Required: Student Petition.

**Corequisites:** CWE-281

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Tuition	Fee	Time	Total
ONL LCT	Instructor						Crs. Fee	
ONL LCT	<b>DMC-280-01 340554</b> T. WASSON Meets: 6/24-8/15. Required: Student Petition.				\$756.00	\$78.00	\$45.00	\$879.00V

**Economics**

**EC-201Z PRINCIPLES OF MICROECONOMICS, 4 CREDITS**

Examines how consumers and firms make choices when facing scarce resources, and how those choices are related to government policy and market outcomes, such as prices and output.

**Prerequisites:** MTH-020 or placement in MTH-098

**Prerequisite or Corequisite:** WRD-098 or placement in WR-121Z

ONL NCT	<b>EC-201Z-01 340428</b> M. PARTAPURWALA Meets online: 6/23-8/14.				\$504.00	\$52.00	\$0.00	\$556.00
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**EC-202Z PRINCIPLES OF MACROECONOMICS, 4 CREDITS**

Examines the aggregate activity of a market economy, economic growth, inflation, unemployment, and the use of fiscal and monetary policy to address macroeconomic problems.

**Prerequisites:** MTH-020 or placement in MTH-050 or MTH-060

**Prerequisite or Corequisite:** WRD-098 or placement in WR-121Z

ONL NCT	<b>EC-202Z-01 340429</b> M. PARTAPURWALA Meets online: 6/23-8/14.				\$504.00	\$52.00	\$0.00	\$556.00
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**Education**

**ECE-121 OBSERVATION AND GUIDANCE I IN ECE SETTINGS, 4 CREDITS**

Course is designed to help students explore in depth observation and recording techniques of children's development and learning and to examine various child guidance techniques for children from birth - 3rd grade. Students will be provided with strategies to assist them in providing positive guidance to children in a variety of settings and situations.

ONL	<b>ECE-121-01 345085</b> S. MYERS Meets: 6/23-7/25. This is an accelerated, five-week section.				\$504.00	\$52.00	\$0.00	\$556.00
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**ECE-154 LANGUAGE & LITERACY DEVELOPMENT IN YOUNG CHILDREN, 4 CREDITS**

Focuses on language and literacy development of children from birth-age 8. The research foundation and components of language and literacy development will be examined. Criteria for selecting quality children's literature will be explored. Practical strategies for promoting optimal development will be emphasized. Students will explore how to set create language and literacy-rich environments and experiences.

ONL	<b>ECE-154-01 345086</b> B. KING Meets: 6/23-7/25. This is an accelerated five-week section.				\$504.00	\$52.00	\$0.00	\$556.00
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**ECE-154ES DESARROLLO DEL LENGUAJE Y LA ALFABETIZACIÓN, 4 CREDITS**

Se centra en el desarrollo del lenguaje y la alfabetización de los niños desde el nacimiento hasta tercer grado. Se examinarán las bases de la investigación y los componentes del desarrollo del lenguaje y la alfabetización. Se explorarán los criterios para seleccionar literatura infantil de calidad. Se enfatizarán estrategias prácticas para promover un desarrollo óptimo.

**Campus Locations:**  
**HAR:** Harmony Community Campus  
**OC:** Oregon City Campus  
**WILS:** Wilsonville Training Center  
**OFF:** Other Off-Campus Location

**Distance Education Notification:**  
**ONL:** Online Only  
**REM:** Remote (w/ scheduled meetings)  
**HYB:** In-person plus online work

**Other Coding Translations:**  
**TBA:** To be arranged: contact department first class  
**VAR:** Variable credit class

**ESPAÑOL:** Enseñado en español  
**LCT:** Low-Cost Text  
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Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Tuition	Fee	Time	Total
REM ESPAÑOL	Instructor						Crs. Fee	
	<b>Prerequisites:</b> FYE-101ES							
REM ESPAÑOL	<b>ECE-154ES-01 340433 M</b> L. JAMES La clase se reúne seis Lunes por Zoom (6/23, 7/7, 7/21, 8/4, 8/18, 8/25) de 6:00PM a 7:50PM.				\$504.00	\$52.00	\$0.00	\$556.00

**ECE-221ES OBSERVACIÓN Y ORIENTACIÓN II EN EDUCACIÓN TEMPRANA, 4 CREDITS**

Diseñado para ayudar a los estudiantes a explorar con mayor profundidad la observación y la orientación de los niños desde el nacimiento hasta el tercer grado dentro del entorno del aula. En este curso más avanzado, el estudiante se enfoca en técnicas adicionales de observación y orientación para observar grupos de niños y aborda comportamientos desafiantes y otros problemas dentro del entorno de la primera infancia. Se explora en profundidad el papel del profesional en el uso de la observación para promover su propio desarrollo y ayudar en el progreso de los niños.

**Prerequisites:** ECE-121ES and WR-124ES

REM ESPAÑOL	<b>ECE-221ES-01 345088 T</b> Y. SANCHEZ La clase se reúne seis Martes por Zoom (6/24, 7/8, 7/22, 8/5, 8/19, 9/2) de 6:00PM a 7:50PM.				\$504.00	\$52.00	\$0.00	\$556.00
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**ECE-240ES AMBIENTES Y PLANIFICACIÓN CURRICULAR, 4 CREDITS**

Se enfoca en una introducción a la creación de entornos de aprendizaje y planes de estudio para niños de tres a cinco años de edad en programas basados en hogares o centros. El curso cubre las teorías y las relaciones entre el espacio físico y social, las actividades, las experiencias y los materiales. Se enseña a los estudiantes el uso de prácticas adecuadas para el desarrollo y la cultura en la planificación y la selección de entornos y planes de estudio para niños pequeños.

**Prerequisites:** ECE-150ES, ECE-235ES, FYE-101ES, HDF-247ES, and WR-124ES

REM ESPAÑOL	<b>ECE-240ES-01 340438 W</b> D. TORRADO La clase se reúne seis Miércoles por Zoom (6/25, 7/9, 7/23, 8/6, 8/20, 9/3) de 6:00PM a 7:50 PM.				\$504.00	\$52.00	\$0.00	\$556.00
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**ECE-246ES RELACIONES ENTRE LA ESCUELA, LA FAMILIA Y LA COMUNIDAD, 4 CREDITS**

Este curso se concentra en el conocimiento y las habilidades para trabajar eficazmente con las familias y la comunidad y con otros profesionales en educación infantil (6 semanas de edad hasta tercer grado). El énfasis está en construir y mantener relaciones positivas para fomentar la cooperación y el respeto mutuo entre los profesionales en la primera infancia y las familias de los niños con quienes trabajan.

REM ESPAÑOL	<b>ECE-246ES-01 340439 S</b> B. MARRON La clase se reúne cinco Sabados por Zoom (6/28, 7/12, 7/26, 8/9, 8/22) de 9:00 AM a 10:50 AM.				\$504.00	\$52.00	\$0.00	\$556.00
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REM ESPAÑOL	<b>ECE-246ES-01PP TH</b> B. MARRON La clase se reúne seis Jueves por Zoom (6/26, 7/10, 7/24, 8/7, 8/21, 9/7) de 6:00 PM a 7:50 PM.	<b>340441</b>			\$504.00	\$52.00	\$0.00	\$556.00
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**ECE-280 EARLY CHILDHOOD EDUCATION/CWE, 3 CREDITS**

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total	Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
	Instructor	Tuition	Fee	Crs. Fee				Instructor	Tuition	Fee	Crs. Fee		

Cooperative work experience. Provides students with on-the-job experience in the field of early childhood education. Students will work in pre-approved educational settings that serve children from six weeks old through age eight. Required: Student Petition.

**Corequisites:** CWE-281

**Prerequisites:** ECE-121, ECE-150, and ECE-154

ONL	<b>ECE-280-01</b> 340444					
	D. GLASCOCK	\$378.00	\$39.00	\$45.00	\$462.00	
	Required: Student Petition. Meets: 6/23-8/14. Corequisite: Take the following CWE-281-01.					

**ECE-291ES PRACTICUM II, 4 CREDITS**

Se enfoca en permitir que los estudiantes tengan una experiencia laboral en una variedad de entornos educativos, al mismo tiempo que hacen las tareas asignadas regularmente a los educadores de la primera infancia. Este curso permite a los estudiantes aplicar los conocimientos, métodos y habilidades adquiridos en los cursos de educación infantil y estudios sobre las familias. El seminario cubre las experiencias en el aula, las mejores prácticas y los métodos de evaluación.

**Prerequisites:** ECE-121ES, ECE-150ES, ECE-179ES, ECE-240ES, ECE-280ES, HDF-225ES, and HDF-247ES

REM ESPAÑOL	<b>ECE-291ES-01</b> 340445 S					11-12:50 PM
	D. TORRADO	\$504.00	\$52.00	\$0.00	\$556.00	
	Requerido: petición del estudiante. Meets: 6/23-8/16. Remote meetings occur on 6/28, 7/12, 7/26, 8/9 & 8/16.					

**ED-269 OVERVIEW OF SPECIAL EDUCATION, 3 CREDITS**

Provides an introduction to the categories of disability described in the Individuals with Disabilities Education Act (IDEA). Topics include definitions under federal law, implications in school settings, and intervention strategies to meet students' special needs.

ONL	<b>ED-269-01</b> 340448					
	T. GOWDY	\$378.00	\$39.00	\$47.80	\$464.80	
	Meets: 6/23-8/14. Online textbook included in section fees.					

**Electronics & Microelectronics**

All degree seeking students should arrange to speak to a faculty advisor prior to registering. Call 503-594-3318 for more information, or contact Advising, 503-594-3475.

**SM-280 ELECTRONICS & MICROELECTRONICS/CWE, 1-6 CREDITS**

Cooperative work experience. Practical experience in the high-tech industry. Coordination of instruction will occur with industry and the manufacturing and cooperative work departments. Required: Student Petition.

**Corequisites:** CWE-281

ONL	<b>SM-280-01</b> 340610					
	C. CONNORS	\$756.00	\$78.00	\$255.00	\$1,089.00	
	Required: Student Petition. Corequisite: Take the following CWE-281-06.					

**Emergency Medical Technology**

**EMT-102 EMERGENCY MEDICAL TECHNICIAN PART II, 6 CREDITS**

**Campus Locations:**  
**HAR:** Harmony Community Campus  
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This course is the second of the two-part series that will prepare students to enter the workforce as an emergency medical service provider. Topics include patient assessment, treatment/stabilization for environmental and trauma emergencies, providing emergency care to special patient populations, and EMS operations. Includes 20 hours of observational time in an emergency department and with an EMS unit. Upon successful completion, students will qualify to take the National Registry of Emergency Medical Technicians cognitive certification exam. Required: Student Petition.

**Required:** Completion and documentation of all OHA Health Profession Student Clinical Training Administrative Requirements

**Prerequisites:** EMT-101 with a C or better

HAR HYB	<b>EMT-102-01</b> 345038 MWF					6-9:20 PM
	T. SAWZAK	\$756.00	\$78.00	\$400.00	\$1,234.00	
	Required: Student Petition.					

**EMT-105 INTRODUCTION TO EMERGENCY MEDICAL SERVICES, 3 CREDITS**

Introduces the student to Emergency Medical Services (EMS). Explores the career pathways for EMTs and Paramedics. Examines the history, structure, and function of our modern-day EMS system. Includes provider roles and responsibilities, operations, safety, legal considerations, and career opportunities. In addition, this class provides a foundation for the EMT certification course by including a review of anatomy and physiology; where things are and how they are supposed to work, pathophysiology; what happens when disease or injury causes those systems to fail, and patient assessment; how EMS providers evaluate for those conditions and make treatment and transport decisions.

ONL	<b>EMT-105-01</b> 340326					
	T. SAWZAK	\$378.00	\$39.00	\$0.00	\$417.00	
ONL	<b>EMT-105-02</b> 345039					
	T. SAWZAK	\$378.00	\$39.00	\$0.00	\$417.00	

**English for Speakers of Other Languages**

**ESOL-012 BEGINNING ESOL, 0 CREDIT**

English language learners speak and listen to simple words, phrases, questions, statements and commands using common English vocabulary in simple, highly-structured tasks. Aligns with the Oregon Adult English Language Proficiency Standards, Level 1 and the Oregon Adult College and Career Readiness Standards Reading Foundational Skills. Variable Hours: 48-66 hours. Required: Student Petition.

HAR LCT	<b>ESOL-012-06</b> 340377 MW					6-8:50 PM
	D. VERMILLION	\$0.00	\$0.00	\$60.00	\$60.00	
	Meets: 6/24-8/15. Required: Student Petition.					
HAR LCT	<b>ESOL-012-07</b> 340378 MW					6-8:50 PM
	J. STENSETH	\$0.00	\$0.00	\$60.00	\$60.00	
	Meets: 6/24-8/15. Required: Student Petition.					
HAR LCT	<b>ESOL-012-08</b> 340379 MW					6-8:50 PM
	K. HOLLOWAY	\$0.00	\$0.00	\$60.00	\$60.00	
	Required: Student Petition. Meets: 6/24-8/15.					

**ESOL-013 BEGINNING ESOL, 0 CREDIT**

English language learners speak and listen to simple words, phrases, questions, statements and commands using common English vocabulary in simple, highly-structured tasks. Aligns with the Oregon Adult English Language Proficiency Standards, Level 1 and the Oregon Adult College and Career Readiness Standards Reading Foundational Skills. This course introduces the same skills as ESOL-012, but provides fewer hours toward developing mastery. Required: Student Petition.

Course No	Course Title, Credits		Cr. Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
	Section No	Instructor	Tuition	Fee	Cr. Fee	

**OC LCT ESOL-013-01 340380 MW 9-10:50 AM**  
 D. VERMILLION \$0.00 \$0.00 \$30.00 \$30.00  
 Required: Student Petition. Meets 6/24-8/15.

**ESOL-014 BEGINNING READING, WRITING, AND GRAMMAR, 0 CREDIT**

English language learners are introduced to the basic language necessary to function in day-to-day American society; language functions are taught in the contexts of work, family and community. Aligns with the Oregon Adult English Language Proficiency Standards, Level 1. This course introduces the same skills as ESOL-015, but provides fewer hours toward developing mastery. Required: Student Petition.

**OC NCT ESOL-014-01 340381 MW 11:30 -1:20 PM**  
 J. RUEDA \$0.00 \$0.00 \$35.00 \$35.00  
 Meets: 6/24-8/15. Required: Student Petition.

**ESOL-015 BEGINNING READING, WRITING, AND GRAMMAR, 0 CREDIT**

English language learners are introduced to the basic language necessary to function in day-to-day American society; language functions are taught in the contexts of work, family and community. Aligns with the Oregon Adult English Language Proficiency Standards, Level 1. Variable hours: 48-66 hours. Required: Student Petition.

**HAR NCT ESOL-015-06 340382 TTH 6-8:50 PM**  
 J. RUEDA \$0.00 \$0.00 \$65.00 \$65.00  
 Required: Student Petition. Meets: 6/24-8/15.

**HAR NCT ESOL-015-07 340383 TTH 6-8:50 PM**  
 K. HOLLOWAY \$0.00 \$0.00 \$65.00 \$65.00  
 Required: Student Petition. Meets: 6/24-8/15.

**ESOL-020 UPPER BEGINNING GRAMMAR, 0 CREDIT**

English language learners study and practice basic verb forms (simple present and present progressive), and adverbs of frequency in written and spoken English. Aligns with the Oregon Adult English Language Proficiency Standards, Level 1. Required: Student Petition.

**OC NCT ESOL-020-01 340384 MW 11:30 -1:20 PM**  
 S. CAISSE \$0.00 \$0.00 \$35.00 \$35.00  
 Meets: 6/24-8/15. Required: Student Petition.

**HAR NCT ESOL-020-06 340385 TTH 7-8:50 PM**  
 L. ROWE \$0.00 \$0.00 \$35.00 \$35.00  
 Meets: 6/24-8/15. Required: Student Petition.

**ESOL-022 UPPER BEGINNING CONVERSATION, 0 CREDIT**

English language learners study and practice speaking and listening skills in basic, highly-structured tasks in the contexts of community, health, and work. Aligns with the Oregon Adult English Language Proficiency Standards, Levels 1 & 2.

**HAR LCT ESOL-022-06 345178 MW 7-8:50 PM**  
 K. STECKMEST \$0.00 \$0.00 \$30.00 \$30.00  
 Meets: 6/23-8/14. Required: Student Petition.

**ESOL-030 INTERMEDIATE GRAMMAR A, 0 CREDIT**

One of a two-part series. English language learners study and practice simple present, present progressive, and future verb forms and modals of ability, and advice. Aligns with the Oregon Adult English Language Proficiency Standards, Level 2. Required: Student Petition.

**HAR LCT ESOL-030-06 345037 TTH 7-8:50 PM**  
 J. STENSETH \$0.00 \$0.00 \$30.00 \$30.00  
 Required: Student Petition.

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Course No	Course Title, Credits		Cr. Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
	Section No	Instructor	Tuition	Fee	Cr. Fee	

**ESOL-031 INTERMEDIATE GRAMMAR B, 0 CREDIT**

One of a two-part series. English language learners study and practice simple past and present perfect verb forms with time expressions, and comparative and superlative adjectives in written and spoken English. Aligns with the Oregon Adult English Language Proficiency Standards, Level 2. Required: Student Petition.

**OC LCT ESOL-031-01 340386 MW 11:30 -1:20 PM**  
 D. VERMILLION \$0.00 \$0.00 \$30.00 \$30.00  
 Meets: 6/24-8/15. Required: Student Petition.

**HAR LCT ESOL-031-06 340387 TTH 7-8:50 PM**  
 D. VERMILLION \$0.00 \$0.00 \$30.00 \$30.00  
 Meets: 6/24-8/15. Required: Student Petition.

**ESOL-033 INTERMEDIATE CONVERSATION 2, 0 CREDIT**

English language learners study and practice speaking and listening skills and strategies in structured tasks to improve fluency in the contexts of school, work, family and community. One of a 2-part series. Aligns with the Oregon Adult English Language Proficiency Standards, Levels 2 and 3. Required: Student Petition.

**OC LCT ESOL-033-01 340389 MW 9-10:50 AM**  
 J. RUEDA \$0.00 \$0.00 \$30.00 \$30.00  
 Meets: 6/24-8/15. Required: Student Petition.

**HAR LCT ESOL-033-07 340391 MW 7-8:50 PM**  
 TBA \$0.00 \$0.00 \$30.00 \$30.00  
 Meets: 6/24-8/15. Required: Student Petition.

**ESOL-043 UPPER INTERMEDIATE CONVERSATION 2, 0 CREDIT**

English language learners study and practice speaking and listening skills and strategies for independent communication to improve fluency in the contexts of school, work, family and community. One of a 2-part series. Aligns with the Oregon Adult English Language Proficiency Standards, Levels 3 and 4. One of a 2-part series. Required: Student Petition.

**OC LCT ESOL-043-01 340392 MW 9-10:50 AM**  
 S. CAISSE \$0.00 \$0.00 \$30.00 \$30.00  
 Meets: 6/24-8/15. Required: Student Petition.

**HAR LCT ESOL-043-06 340393 MW 7-8:50 PM**  
 S. CAISSE \$0.00 \$0.00 \$30.00 \$30.00  
 Meets: 6/24-8/15. Required: Student Petition.

**ESOL-053 ADVANCED COMMUNICATION SKILLS 2, 0 CREDIT**

English language learners practice speaking and listening strategies for effective communication for discussions, interviews, presentations, and note-taking to improve fluency in speaking and listening. Students will study the important effect intonation and body language have on meaning, build vocabulary and critical thinking skills, and develop confidence in speaking with purpose. The focus of this course is to prepare students for success in the workplace and community. Aligns with the Oregon Adult English Language Proficiency Standards, Level 4 & 5. Required: Student Petition.

**OC LCT ESOL-053-01 340396 MW 9-10:50 AM**  
 TBA \$0.00 \$0.00 \$30.00 \$30.00  
 Meets: 6/24-8/15. Required: Student Petition.

**HAR LCT ESOL-053-06 340397 MW 7-8:50 PM**  
 TBA \$0.00 \$0.00 \$30.00 \$30.00  
 Meets: 6/24-8/15. Required: Student Petition.

**ESOL-055 ADVANCED GRAMMAR C, 0 CREDIT**

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee	
OC LCT	<b>ESOL-055-01 345035 MW</b> K. LONG		\$0.00	\$0.00	11:30 -1:20 PM	\$30.00
	Required: Student Petition.					
HAR LCT	<b>ESOL-055-06 345036 TTH</b> S. CAISSE		\$0.00	\$0.00	7-8:50 PM	\$30.00
	Required: Student Petition.					

**ESOL-082 ASSESS/EVALUATE NEW STUDENTS, 0 CREDIT**

New students in the ESOL program receive information about classes offered, departmental and college policies, college services available, campus facilities, accessing student portal and email, student responsibilities, and community resources. Students are tested to determine their language levels and class placement. Students select courses with a faculty advisor. This course is used administratively to identify new students in the ESOL department. Required: Student Petition.

ONL NCT	<b>ESOL-082-01 340398</b> L. JOYCE		\$0.00	\$0.00	\$0.00	\$0.00
	Meets: 6/24-8/15. Required: Student Petition.					
ONL NCT	<b>ESOL-082-06 340399</b> L. JOYCE		\$0.00	\$0.00	\$0.00	\$0.00
	Meets: 6/24-8/15. Required: Student Petition.					

**ESOL-083 EDUCATIONAL PLANNING FOR RETURNING STUDENTS, 0 CREDIT**

Designed for returning students in the ESOL program at CCC. Students meet with faculty advisors to review their progress, revisit their goals, choose next term's classes, and learn how to transition to other educational and training opportunities at the college and in other community programs. This course is used administratively to identify returning students in the ESOL department. Required: Student Petition.

ONL NCT	<b>ESOL-083-01 340400</b> L. JOYCE		\$0.00	\$0.00	\$0.00	\$0.00
	Meets: 6/24-8/15. Required: Student Petition.					
ONL NCT	<b>ESOL-083-06 340401</b> L. JOYCE		\$0.00	\$0.00	\$0.00	\$0.00
	Meets: 6/24-8/15. Required: Student Petition.					

**English Literature**

**ENG-104Z INTRODUCTION TO FICTION, 4 CREDITS**

The study of fiction invites us to enter imaginative narratives and confront the challenges of being human. ENG-104Z provides opportunities for the appreciation of fiction, including deeper awareness of craft and insight into how reading fiction can lead to self-enrichment. Students read a variety of types of fiction, from diverse perspectives and eras, and develop their skills in discussion, literary analysis, and critical thinking.

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

ONL	<b>ENG-104Z-01 340451</b> C. ZIMMERLY-BECK	\$504.00	\$52.00	\$0.00		\$556.00
	Meets: 6/23-8/14.					

**ENG-106Z INTRODUCTION TO POETRY, 4 CREDITS**

**Campus Locations:**

**HAR:** Harmony Community Campus  
**OC:** Oregon City Campus  
**WILS:** Wilsonville Training Center  
**OFF:** Other Off-Campus Location

**Distance Education Notification:**

**ONL:** Online Only  
**REM:** Remote (w/ scheduled meetings)  
**HYB:** In-person plus online work

**Other Coding Translations:**

**TBA:** To be arranged: contact department first class  
**VAR:** Variable credit class

**ESPAÑOL:** Enseñado en español

**LCT:** Low-Cost Text  
**NCT:** No-Cost Text

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee	
ONL	<b>ENG-106Z-01 340452</b> M. SCHUMACHER		\$504.00	\$52.00	\$0.00	\$556.00
	Meets: 6/23-8/14.					

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

**ENG-222 CHILDREN'S AND YOUNG ADULT LITERATURE, 4 CREDITS**

Surveys the development of the genres of children's and young adult literature, including fairy tales, picture books, classic children's novels, and contemporary young adult novels, studying how these texts reflect their culture's understanding of young readers' psychology, taste, and learning needs over time.

**Recommended Prerequisites:** Placement in WRD-098 or above

ONL	<b>ENG-222-01 340453</b> T. DONNELLY	\$504.00	\$52.00	\$0.00		\$556.00
	Meets: 6/23-8/14.					

**Ethnic Studies**

**ES-101 INTRODUCTION TO ETHNIC STUDIES, 4 CREDITS**

This course uses an interdisciplinary approach to introduce the multifaceted experience of historically marginalized ethnic and racial groups in the US with an emphasis on Chicano/Latinx, African American, Native American/US First Nations, and Asian Americans. Students will explore theory of the development of race and ethnicity in the US, systemic oppression, comparative historical perspectives, and political resistance and movements, including modern abolitionism and decolonization.

**Recommended Prerequisite or Corequisite:** FYE-101

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

ONL	<b>ES-101-01 345167</b> L. MARTINEZ	\$504.00	\$52.00	\$0.00		\$556.00
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**Family Studies**

**HDF-225ES DESARROLLO DE LAS ETAPAS PRENATAL, INFANTES Y DE NIÑOS PEQUEÑOS, 4 CREDITS**

Se enfoca en la exploración del desarrollo y factores que influyen áreas relacionadas con lo físico, cognitivo y socio-emocional en los niños desde la etapa prenatal hasta los tres años de edad. Se examinarán teorías relacionadas con estas etapas, así como la influencia del lenguaje y la cultura en el desarrollo y crianza.

REM ESPAÑOL	<b>HDF-225ES-01 340477 W</b>				6-7:50 PM	
	Y. SANCHEZ	\$504.00	\$52.00	\$0.00		\$556.00
	La clase se reúne seis Miércoles por Zoom (6/25, 7/9, 7/23, 8/6, 8/20, 9/3) de 6:00 PM a 7:50 PM.					

**HDF-247ES DESARROLLO Y CRECIMIENTO EN LA NIÑEZ: PREESCOLAR HASTA LA ADOLESCENCIA, 4 CREDITS**

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
		Instructor		Tuition	Fee	Crs. Fee

Este curso se enfoca en los principios del desarrollo en niños de tres años hasta la adolescencia, incluyendo el crecimiento, y la evolución física, cognitiva, social y emocional. Explora las principales teorías históricas del desarrollo infantil y las investigaciones y prácticas actuales. Se incluye un enfoque en cómo la cultura, la dinámica familiar y el estatus socioeconómico impactan el crecimiento y el desarrollo de los niños.

**Prerequisites:** ECE-150ES, FYE-101ES, and HDF-225ES

<b>REM ESPAÑOL</b>	<b>HDF-247ES-01 340482 M</b>					<b>6-7:50 PM</b>
	L. JAMES	\$504.00	\$52.00	\$0.00		\$556.00
	La clase se reúne seis Lunes por Zoom (6/24, 7/9, 7/22, 8/5, 8/19, y 8/26 de 6:00PM a 7:50PM).					

**HDF-260 UNDERSTANDING CHILD ABUSE AND NEGLECT, 3 CREDITS**

In this course, students will receive an overview of child abuse and neglect. Students will examine the types and causes of abuse, abused children, abusive parents, treatment, education and prevention, and resources available to assist children and families. An emphasis is placed on intervention and mandatory reporting, as well as risks and outcomes. This course discusses the investigation process of child welfare and forensic interviewing of abused children. Students will also learn about the signs and symptoms of abuse and how trauma impacts an individual's health across a lifetime.

<b>ONL</b>	<b>HDF-260-01 340483</b>					
	C. BAKER	\$378.00	\$39.00	\$0.00		\$417.00
	Meets: 6/23-8/14.					

**Food & Nutrition**

**FN-110 PERSONAL NUTRITION, 3 CREDITS**

This course explores how nutrition affects health and fitness for the individual and the family. Students apply knowledge of nutrition guidelines to analyze personal diet and improve current food preparation and habits. It is a basic nutrition course for students with little or no science background.

<b>ONL</b>	<b>FN-110-01 340327</b>					
	T. SCOLLARD	\$378.00	\$39.00	\$82.20		\$499.20
	Online textbook included in section fees.					

**FN-225 NUTRITION, 4 CREDITS**

This course explores the role of nutrients in the development and maintenance of a healthy body. The course examines the relationship between diet and health. Students apply knowledge of nutritional adequacy through computer-aided diet analysis. It discusses current nutrition recommendations and controversies. The course meets requirements for most nursing programs.

**Recommended:** A strong background in anatomy and physiology, biology or chemistry

<b>ONL</b>	<b>FN-225-01 340328</b>					
	T. SCOLLARD	\$504.00	\$52.00	\$121.88		\$677.88
	Online textbook included in section fees.					
<b>ONL</b>	<b>FN-225-02 340329</b>					
	J. PAVLINAC	\$504.00	\$52.00	\$121.88		\$677.88
	Online textbook included in section fees.					

**General Development Education (GED)**

**Campus Locations:**  
**HAR:** Harmony Community Campus  
**OC:** Oregon City Campus  
**WILS:** Wilsonville Training Center  
**OFF:** Other Off-Campus Location

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**Other Coding Translations:**  
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**ESPAÑOL:** Enseñado en español  
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*GED Classes offered Days and Evenings*

*Students will be placed in the appropriate class based on their schedules and intake assessments. Please call 503-594-3028 for orientation information.*

**GED-011 GED IN ESPAÑOL, 0 CREDIT**

Instrucción del desarrollo de habilidades básicas ofrecida en español. Un examen de diagnóstico determina las necesidades académicas del alumno. Inscripción y terminación del curso todo el tiempo durante el trimestre, se ofrece en Harmony center y Oregon City campus. Se requiere el consentimiento del Instructor para registrarse. Basic academic instruction offered in Spanish. Diagnostic tests determine individual academic needs. Open-entry, open-exit class offered at Harmony center and Oregon City campus. Required: Student Petition.

<b>REM ESPAÑOL</b>	<b>GED-011-01 340466 MW</b>					<b>5:30 -7:50 PM</b>
	A. ARISTIZABAL	\$0.00	\$0.00	\$50.00		\$50.00
	Requerido: petición del estudiante. Meets: 6/24-8/15.					
<b>HAR HYB ESPAÑOL</b>	<b>GED-011-02 340470 TTH</b>					<b>6-8:50 PM</b>
	A. ARISTIZABAL	\$0.00	\$0.00	\$50.00		\$50.00
	Requerido: petición del estudiante. Meets: 6/24-8/15.					

**GED-015 GED PREPARATION, 0 CREDIT**

Basic academic skill development preparing for the GED 2014 tests and transition to career or post-secondary education. Course focuses primarily on language arts, math and technology skills. Provides direction and support for transitioning students. Required: Student Petition.

<b>OC LCT</b>	<b>GED-015-17 340472 MW</b>					<b>5:30 -7:50 PM</b>
	TBA	\$0.00	\$0.00	\$50.00		\$50.00
	Meets: 6/24-8/15. Required: Student Petition.					
<b>ONL LCT</b>	<b>GED-015-68 340474</b>					
	TBA	\$0.00	\$0.00	\$55.00		\$55.00
	Meets: 6/24-8/15. Required: Student Petition.					
<b>OC LCT</b>	<b>GED-015-80 340475 MTWTH</b>					<b>10-11:50 AM</b>
	D. GREEN	\$0.00	\$0.00	\$55.00		\$55.00
	Meets: 6/24-8/15. Required: Student Petition.					

**Geographic Information Systems**

*All degree seeking students should arrange to speak to a faculty advisor prior to registering. Call 503-594-3678 for more information, or contact Advising, 503-594-3475.*

**GIS-201 INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS, 3 CREDITS**

This course explores fundamental geographic information systems (GIS) concepts utilizing hands-on application through various laboratory exercises with industry-standard ArcGIS software. The class explores basic map principles, cartographic design, geodesy, and geospatial data manipulation while exploring ArcGIS Online to create, display, query, relate, classify, and analyze spatial data to create maps and answer geographic questions.

<b>REM</b>	<b>GIS-201-01 340561 TTH</b>					<b>1-2:50 PM</b>
	TBA	\$378.00	\$39.00	\$40.00		\$457.00
	Meets: 6/24-8/15.					

**Geography**



Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total	Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
	Instructor	Tuition	Fee		Crs. Fee			Instructor	Tuition	Fee		Crs. Fee	

**GEO-110 CULTURAL & HUMAN GEOGRAPHY, 4 CREDITS**  
 Introduces geographical perspectives on human population, agriculture, political pattern, language, religion, folk culture, popular culture, ethnic culture, urban development, industry, and transportation as these play out on the diverse landscapes of the world.

**Recommended Prerequisites:** WRD-090 or placement in WRD-098  
 ONL NCT **GEO-110-01 340476**  
 C. FELDMAN \$504.00 \$52.00 \$0.00 \$556.00  
 Meets online: 6/23-8/14.

**Geology**

**G-145 GEOLOGY OF THE PACIFIC NORTHWEST, 4 CREDITS**  
 An introductory lab course that explores the geology and historic development of Northwest with an emphasis on Oregon geology. Each of Oregon's geologic regions is examined by using basic geologic principles, rock types, hazards and the Northwest's tectonic history.

**Corequisites:** G-145L  
 oc **G-145-01 340555 T 9-11:50 AM**  
 TBA \$504.00 \$52.00 \$60.00 \$616.00  
 Meets: 6/23-8/14. This section has two mandatory Saturday full-day field trips. Contact instructor for exact trip dates.  
 Corequisite: Take the following G-145L-01.

**G-145L GEOLOGY OF THE PACIFIC NW LAB, 0 CREDIT**  
 Lab course for G-145  
**Corequisites:** G-145

oc **G-145L-01 340556 TH 9-11:50 AM**  
 TBA \$0.00 \$0.00 \$0.00 \$0.00  
 Meets: 6/23-8/14. This section has two mandatory Saturday full-day field trips. Contact instructor for exact trip dates.  
 Corequisite: Take the following G-145-01.

**Gerontology**

**GRN-184 AGING & THE INDIVIDUAL, 3 CREDITS**  
 This course explores the impact of aging on the individual as well as family members, caregivers, and professionals. Topics include: dementia, cognitive issues, stress, coping, life transitions, and intelligence. Course will also discuss the concept of successful aging from cross-cultural perspectives.

ONL **GRN-184-01 340319**  
 Y. SMITH \$378.00 \$39.00 \$0.00 \$417.00  
 Meets: 6/23-8/14.

**GRN-280 GERONTOLOGY/CWE, 2-6 CREDITS (VAR)**  
 Cooperative work experience. Acquaint gerontology students with the roles and related activities of organizations serving the elderly. This course provides an opportunity to apply theories and techniques learned in the classroom. May be repeated for up to 6 credits. Required: Student Petition.

**Prerequisite or Corequisite:** HS-170  
**Corequisites:** HS-270  
 oc **GRN-280-01 340320**  
 J. LOVELESS \$756.00 \$78.00 \$45.00 \$879.00V  
 Required: Student Petition.

**Health**

**Campus Locations:**  
**HAR:** Harmony Community Campus  
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**Other Coding Translations:**  
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**HE-204 NUTRITION & WEIGHT CONTROL, 3 CREDITS**  
 Methods of maintaining or improving nutrition by considering diets and dieting, obesity, types of exercise, physical testing, cardio-vascular fitness and nutritional concepts.

ONL **HE-204-01 340562**  
 K. STEEN \$378.00 \$39.00 \$0.00 \$417.00  
 Meets: 6/23-8/14.

**HE-250 PERSONAL HEALTH, 3 CREDITS**  
 This course is designed to help students gain an overall understanding of information basic to the field of health, to help them critically evaluate health information, and to promote positive attitudes, values, and behaviors in regard to personal health.

ONL **HE-250-01 340564**  
 K. STEEN \$378.00 \$39.00 \$0.00 \$417.00  
 Meets: 6/23-8/14.  
 ONL **HE-250-02 340567**  
 J. RHODEN \$378.00 \$39.00 \$0.00 \$417.00  
 Meets: 6/23-8/14.

**HE-252 FIRST AID/CPR/AED, 3 CREDITS**  
 This course supports the American Red Cross program for First Aid/CPR/AED and will teach participants the knowledge and skills needed to give immediate care to an injured or ill person and to decide whether advanced medical care is needed. Successful completion of the course leads to a Red Cross First Aid/CPR/AED certification for the lay responder.

ONL LCT **HE-252-01 340568**  
 K. ARIZO \$378.00 \$39.00 \$35.00 \$452.00  
 Meets: 6/23-8/14.

**Health Professions**

**HP-100 HEALTHCARE PROVIDER BLS/CPR, FIRST AID/BLOODBORNE PATHOGENS, 1 CREDIT**  
 Introduces CPR, first aid, and bloodborne pathogens to individuals working in healthcare environments, home, and community settings. Covers skills to perform CPR and operate an Automatic External Defibrillator (AED) for adults/children/infants. Includes citizen-level first aid for providing initial care to persons injured or stricken by sudden illness where help is not immediately available. Covers how to minimize communicable disease transmission while providing emergency care.

**Recommended:** Computer access with internet capabilities  
**Recommended Prerequisites:** WRD-098  
 HAR HYB **HP-100-01 344844 TBA**  
 S. COOPER \$126.00 \$13.00 \$15.00 \$154.00  
 This section includes additional costs for the online courses: Bloodborne Pathogens Online course \$22 Healthcare Provider CPR Online course \$36 First Aid online course \$16 Total cost for completing the online portion of the course is \$74.

**HP-110 MEDICAL TERMINOLOGY, 4 CREDITS**

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee	

This course provides the foundational principles required for understanding medical terms used to communicate effectively within the healthcare field. This includes word meaning and discerning the difference between look-alike and sound-alike words through correct spelling and pronunciation. Students will develop the ability to read and comprehend the content of medical records and reports. Through the review of body systems this course includes introductions to disease processes, basic anatomy and physiology and associated terminology.

ONL	<b>HP-110-01</b> 344845					
	T. BOYD	\$504.00	\$52.00	\$147.50	\$703.50	
	Online textbook included in section fees.					
ONL	<b>HP-110-02</b> 344847					
	W. HARTJE	\$504.00	\$52.00	\$147.50	\$703.50	
	Online textbook included in section fees.					

**History**

**HST-102 HISTORY OF WESTERN CIVILIZATION, 4 CREDITS**  
 Origins and development of Western Civilization with an emphasis on Europe from ca. 1300 to 1800.

**Recommended Prerequisites:** WRD-090 or placement in WRD-098

ONL NCT	<b>HST-102-01</b> 340506					
	P. MCFARLAND	\$504.00	\$52.00	\$0.00	\$556.00	
	Meets online: 6/23-8/14.					

**Horticulture/Arboriculture/Landscape/Organic Farming**

For more information call 503-594-3292 or email [horticulture@clackamas.edu](mailto:horticulture@clackamas.edu)

**HOR-146 FRUIT & BERRY GROWING, 3 CREDITS**  
 Regionally appropriate fruit and berry production practices that are suitable for urban areas and small farms. Class will utilize the Home Orchard Education Center demonstration arboretum located on campus.

oc	<b>HOR-146-01</b> 340569 M			1-5:20 PM		
	T. LORDY	\$378.00	\$39.00	\$50.00	\$467.00	
	Meets: Mondays 6/23-8/25.					

**HOR-211 NATIVE PLANT IDENTIFICATION, 1 CREDIT**  
 Students will learn to identify 50 native plants within the cultural and ecological context of the Pacific Northwest bioregion.

oc	<b>HOR-211-01</b> 340570 T			9-10:50 AM		
	M. MELCO	\$126.00	\$13.00	\$40.00	\$179.00	
	Meets: Tuesdays 7/1-7/29.					

**HOR-280 HORTICULTURE/CWE, 3 CREDITS**  
 Cooperative work experience. On-the-job experience in the student's major course of study. Students are expected to work a minimum of 90 job site hours. May be repeated for up to 6 credits. Required: Student Petition.

**Corequisites:** CWE-281

oc	<b>HOR-280-01</b> 340571					
	C. KONIECZKA	\$378.00	\$39.00	\$45.00	\$462.00	
	Meets: 6/23-8/27. Required: Student Petition. Contact: <a href="mailto:chrisk@clackamas.edu">chrisk@clackamas.edu</a> Corequisite: Take the following CWE-281-06.					

**HOR-281 HORTICULTURE/CWE, 6 CREDITS**

<b>Campus Locations:</b>	<b>Distance Education Notification:</b>
<b>HAR:</b> Harmony Community Campus	<b>ONL:</b> Online Only
<b>OC:</b> Oregon City Campus	<b>REM:</b> Remote (w/ scheduled meetings)
<b>WILS:</b> Wilsonville Training Center	<b>HYB:</b> In-person plus online work
<b>OFF:</b> Other Off-Campus Location	

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee	

Cooperative work experience. On-the-job experience in the student's major course of study. Students are expected to work a minimum of 180 job site hours. May be repeated for up to 12 credits. Required: Student Petition.

**Corequisites:** CWE-281

oc	<b>HOR-281-01</b> 340574					
	C. KONIECZKA	\$756.00	\$78.00	\$45.00	\$879.00	
	Meets: 6/23-8/27. Required: Student Petition. Contact: <a href="mailto:chrisk@clackamas.edu">chrisk@clackamas.edu</a> Corequisite: Take the following CWE-281-06.					

**HOR-282 HORTICULTURE/CWE, 3 CREDITS**  
 Cooperative work experience. On-the-job experience in the student's major course of study. Students are expected to work a minimum of 90 job site hours. May be repeated for up to 6 credits. Required: Student Petition.

**Corequisites:** CWE-281  
**Required:** Students are expected to work a minimum of 90 job site hours

oc	<b>HOR-282-01</b> 340577					
	C. KONIECZKA	\$378.00	\$39.00	\$45.00	\$462.00	
	Meets: 6/23-8/27. Required: Student Petition. Contact: <a href="mailto:chrisk@clackamas.edu">chrisk@clackamas.edu</a> Corequisite: Take the following CWE-281-06.					

**HOR-284 ORGANIC FARMING PRACTICUM/SUMMER, 3 CREDITS**  
 Experiential learning of organic farming techniques, while working on the Student Farm. Students learn ecological and sustainable practices, principles, and management strategies. This course includes the seasonal activities of a working, small scale Organic Farm: seed sowing, planting, cultivation, irrigation, harvest, packing, selling at farmers market and to restaurants. An important aspect of this course is participating in the on-campus, weekly farmers market. All tasks are hands-on and guided by the instructor. This format has been selected to create a hands-on experience for each student in seasonal crop production and marketing.

**Prerequisites:** HOR-141 or Student Petition

oc	<b>HOR-284-01</b> 340580 W			12-3:00 PM		
				MW	7:30-11:30 AM	
	C. KONIECZKA	\$378.00	\$39.00	\$50.00	\$467.00	
	Meets: Mondays and Wednesdays 6/23-8/27.					

**HOR-285 ORGANIC FARMING/CWE, 3 CREDITS**  
 Cooperative work experience. On-the-job experience working with an agricultural business/farm. Students are expected to work a minimum of 90 job site hours. May be repeated for up to 6 credits. Required: Student Petition.

**Corequisites:** CWE-281  
**Required:** Students are expected to work a minimum of 90 job site hours

oc	<b>HOR-285-01</b> 340582					
	C. KONIECZKA	\$378.00	\$39.00	\$45.00	\$462.00	
	D. ROSTAD					
	Meets: 6/23-8/27. Required: Student Petition. Contact: <a href="mailto:chrisk@clackamas.edu">chrisk@clackamas.edu</a> Corequisite: Take the following CWE-281-06.					

**Human Services**

**HS-103 ETHICS FOR HUMAN SERVICE WORKERS, 2 CREDITS**

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,TH,F,S,SU)	Time	Total	Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,TH,F,S,SU)	Time	Total
	Instructor	Instructor	Tuition	Fee	Crs. Fee			Instructor	Instructor	Tuition	Fee	Crs. Fee	
<p>Explores the professional issues students will face when in a helping relationship. Introduces the professional codes of ethics associated with the helping professions. Addresses solving ethical dilemmas using professional guidelines. Topics include client rights, confidentiality, professional boundaries, legal issues in helping, competence, and cultural diversity.</p>							REM	<b>HS-270-01</b>	<b>340491 F</b>			<b>12-1:50 PM</b>	
		C. BAKER	\$252.00	\$26.00	\$0.00	\$278.00							
		This class meets on six Fridays via Zoom (6/27, 7/11, 7/25, 8/8, 8/22, 9/5) from 12:00 PM to 1:50 PM.											
ONL LCT	<b>HS-103-01</b>	<b>340484</b>					<b>HS-280</b>	<b>HUMAN SERVICES GENERALIST I: CWE/PRACTICUM, 2-6 CREDITS (VAR)</b>					
	M. MANEWAL	\$252.00	\$26.00	\$0.00	\$278.00			Cooperative work experience. Supervised experience in human services including but not limited to: social service; early childhood care; criminal/juvenile justice; gerontology; and other occupations. May be repeated for up to 12 credits. Required: Student Petition.					
	Meets: 6/23-8/14.												
<b>HS-104</b>	<b>USING DIAGNOSTIC CRITERIA IN SUBSTANCE USE TREATMENT, 2 CREDITS</b>						<b>OC LCT</b>	<b>HS-280-01</b>	<b>340492</b>				
	This course will present an overview of The American Society of Addiction Medicine (ASAM) Criteria and the Diagnostic and Statistical Manual (DSM) criteria related to addiction and substance use. Students will gain familiarity with the use of the ASAM Criteria to enhance the use of multidimensional assessments to develop patient-centered service plans. Students will also gain knowledge about the use of the DSM Manual to guide diagnosis and treatment of Substance Use Disorders.												
ONL LCT	<b>HS-104-01</b>	<b>340486</b>						J. LOVELESS	\$756.00	\$78.00	\$45.00	\$879.00V	
	M. MANEWAL	\$252.00	\$26.00	\$0.00	\$278.00			Required: Student Petition.					
	Meets: 6/23-8/14.												
<b>HS-210</b>	<b>MOTIVATIONAL INTERVIEWING, 3 CREDITS</b>						<b>HS-281</b>	<b>HUMAN SERVICES GENERALIST II: CWE/PRACTICUM, 2-6 CREDITS (VAR)</b>					
	Students taking this course will learn a client-centered approach to working with a variety of populations that are ambivalent towards change or are even mandated to make a change (court-ordered populations). Motivational Interviewing is recognized as a core component of various interventions service providers use, including those in substance abuse/addiction services, mental health, primary healthcare, education, and criminal justice. These skills include interviewing and listening, identifying ambivalence and change talk, strengthening resolve to change, and internal motivation of populations served.												
	<b>Recommended Prerequisites:</b> HS-156												
REM	<b>HS-210-01</b>	<b>340487 M</b>					<b>OC LCT</b>	<b>HS-281-01</b>	<b>340494</b>				
	T. BOYLE- GALESTIANTZ	\$378.00	\$39.00	\$0.00	\$417.00			J. LOVELESS	\$756.00	\$78.00	\$45.00	\$879.00V	
	This class meets on four Mondays via Zoom (6/30, 7/14, 7/28, 8/11) from 12:00 PM to 1:50 PM.												
<b>HS-211</b>	<b>INFECTIOUS DISEASES AND HARM REDUCTION, 1 CREDIT</b>						<b>HS-282</b>	<b>HUMAN SERVICES GENERALIST III: CWE/PRACTICUM, 2-6 CREDITS (VAR)</b>					
	This course will explore the relationship between substance use and infectious diseases, and discuss methods for reducing transmission of these diseases. Diseases will include HIV/AIDS, tuberculosis, hepatitis, and sexually transmitted infections. This course will provide students with techniques for assisting clients with assessing risk, practicing harm reduction, and evaluating treatment options.												
ONL	<b>HS-211-01</b>	<b>340488</b>						J. LOVELESS	\$756.00	\$78.00	\$45.00	\$879.00V	
	Y. SMITH	\$126.00	\$13.00	\$0.00	\$139.00			Required: Student Petition.					
	Meets: 6/23-8/14.												
<b>HS-270</b>	<b>HUMAN SERVICES PRACTICUM SEMINAR, 2 CREDITS</b>												
	Focuses on field experience for students in a variety of human service settings, paralleling duties regularly assigned to human service workers. The course offers students a chance to discuss issues faced in the field, and apply human services concepts and theories to their work. Students will reflect on program curriculum and how their knowledge influences the work in the field. May be repeated for up to 6 credits. Required: Student Petition.												
	<b>Corequisites:</b> GRN-280, HS-280, HS-281, or HS-282												

**Campus Locations:**  
**HAR:** Harmony Community Campus  
**OC:** Oregon City Campus  
**WILS:** Wilsonville Training Center  
**OFF:** Other Off-Campus Location

**Distance Education Notification:**  
**ONL:** Online Only  
**REM:** Remote (w/ scheduled meetings)  
**HYB:** In-person plus online work

**Other Coding Translations:**  
**TBA:** To be arranged: contact department first class  
**VAR:** Variable credit class

**ESPAÑOL:** Enseñado en español  
**LCT:** Low-Cost Text  
**NCT:** No-Cost Text

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,TH,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee	

ONL LCT **J-280-01 340373**  
 M. JONES \$756.00 \$78.00 \$45.00 \$879.00V  
 Meets: 6/24-8/15. Required: Student Petition.

**J-280A PUBLIC RELATIONS/CWE, 2-6 CREDITS**  
 Cooperative work experience. Provides the student with on-the-job experience and training related to public relations. Required: Student Petition.

**Corequisites:** CWE-281

ONL LCT **J-280A-01 340374**  
 M. JONES \$756.00 \$78.00 \$45.00 \$879.00V  
 Meets: 6/24-8/15. Required: Student Petition.

**Library**

**LIB-101 INTRODUCTION TO LIBRARY RESEARCH, 1 CREDIT**  
 Introduces and strengthens college-level research skills. Students will build an understanding of strategies for finding, evaluating, and using information responsibly. Prepares students for success in research-based college assignments and real-life research needs.

ONL LCT **LIB-101-01 340585**  
 TBA \$0.00 \$0.00 \$0.00 \$0.00  
 Meets: 6/23-8/23.

ONL LCT **LIB-101-02 340587**  
 TBA \$0.00 \$0.00 \$0.00 \$0.00  
 Meets: 6/23-8/23.

**Machine Tool Technology**

**MTT-111 MANUAL MACHINING I, 4 CREDITS**  
 This course is an introduction to machine tool operation and precision measurement. It covers elementary operation of drill presses, bandsaws, lathes, and milling machines. The course includes external threading.

**Recommended Prerequisite or Corequisite:** MFG-104 and MTH-050

OC **MTT-111-01 340600 MW 4-9:20 PM**  
 C. LETTENMAIER \$504.00 \$52.00 \$205.00 \$761.00  
 Meets: 6/23-8/14.

**MTT-113 MANUAL MACHINING III, 4 CREDITS**  
 This course is a continuation of machine tool operations. Topics covered include offset boring heads, rotary tables, indexing devices, taper attachments and cylindrical grinding. Additional emphasis is also placed on inspections technique, technical math and optical comparators.

**Prerequisites:** MTT-112

OC **MTT-113-01 340601 MW 4-9:20 PM**  
 C. LETTENMAIER \$504.00 \$52.00 \$205.00 \$761.00  
 Meets: 6/23-8/14.

**MTT-141 CAD/CAM I, 4 CREDITS**  
 This course is the first in the CAM series and will introduce students to computer-aided part creation and programming. Students will use CAD/CAM software to generate Numerical Control (NC) code to produce machined products. Model creation, process verification, code generation, and CAD/CAM integration will be covered.

**Recommended Prerequisites:** MTT-121

OC **MTT-141-01 340604 TTH 4-9:20 PM**  
 C. LETTENMAIER \$504.00 \$52.00 \$205.00 \$761.00  
 Meets: 6/23-8/14.

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**Distance Education Notification:**  
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**REM:** Remote (w/ scheduled meetings)  
**HYB:** In-person plus online work

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,TH,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee	

**Manufacturing Technology**

*All degree seeking students should arrange to speak to a faculty advisor prior to registering. Call 503-594-3318 for more information, or contact Advising, 503-594-3475.*

**MFG-104 PRINT READING, 3 CREDITS**  
 Introduction to basic print reading. Students will use the principles of orthographic projection and current industry standards as they apply this knowledge to interpreting manufacturing prints.

ONL **MFG-104-01 340590**  
 P. WANNER \$378.00 \$39.00 \$153.75 \$570.75  
 Meets: 6/23-8/14.

**MFG-107 INDUSTRIAL SAFETY & FIRST AID, 3 CREDITS**  
 This course is designed to provide the student with a basic understanding of safety hazards and first aid in the workplace. Includes eye safety, grinding wheel hazards, electrical/chemical hazards, slips, falls and back injuries. Instruction in first aid, AED and CPR and OSHA 10.

OC HYB **MFG-107-01 340592 W 1-3:50 PM**  
 L. HILLYARD \$378.00 \$39.00 \$153.75 \$570.75  
 Meets: 6/23-8/14.

**MFG-109 COMPUTER LITERACY FOR TECHNICIANS, 3 CREDITS**  
 Presents the uses of computers in business and industry. Subjects covered include computer platforms, basic hardware, data communication and operating systems. Reviews & uses word processing, spreadsheet and database software for the PC.

REM **MFG-109-01 340593 F 12-3:50 PM**  
 A. ARISTIZABAL \$378.00 \$39.00 \$282.19 \$699.19  
 Meets: 6/23-8/14. Online textbook included in section fees.

**MFG-110 MANUFACTURING SPECIAL PROJECTS, 1-3 CREDITS (VAR)**  
 Allows students a great deal of latitude in project selection, design & production utilizing manual machine tools, CNC machine tools, CAD/CAM and electrical discharge machines. A solid understanding of all basic machine tools is expected. May be repeated for up to 9 credits. Required: Student Petition.

OC **MFG-110-01 340595 MW 4-9:20 PM**  
 C. LETTENMAIER \$378.00 \$39.00 \$153.75 \$570.75V  
 Meets: 6/23-8/14. Required: Student Petition.

**MFG-199 EXPERIMENTAL COURSES: MANUFACTURING**  
 Selected courses of study offered on an experimental or temporary basis. See section(s) for detailed information.

**INTRO TO PROF KNIFEMAKING, 1 CREDIT**  
 OC **MFG-199-01 345092 F 10-11:50 AM**  
 C. CONNORS \$126.00 \$13.00 \$0.00 \$139.00  
 Meets: 6/23-8/14. This course will introduce the art and science of professional, custom knifemaking. Students will fabricate, heat treat and finish a custom, fixed-blade knife, scales and sheath. This course will introduce basic metal-working and wood-working power tools, hand grinding techniques, and CNC machinery. Metallurgy fundamentals and surface finishing will also be discussed.

**MFG-280 MANUFACTURING TECHNOLOGY/CWE, 1-6 CREDITS**

**Other Coding Translations:**  
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**VAR:** Variable credit class

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	Instructor		Tuition	Fee	Crs. Fee	

Cooperative work experience. Practical experience in the manufacturing trades. Coordination of instruction will occur with industry and the manufacturing and cooperative work departments. May be repeated for up to 6 credits. Required: Student Petition.

**Corequisites:** CWE-281

ONL	<b>MFG-280-01 340598</b>					
	C. CONNORS	\$756.00	\$78.00	\$75.00		\$909.00V
	Required: Student Petition. Corequisite: Take the following CWE-281-06.					

## Mathematics

### MTH-020 FUNDAMENTALS OF ARITHMETIC II, 4 CREDITS

This second course in arithmetic is a prerequisite for the three math pathways. It reviews mathematical foundations such as fractions, percents, geometry, and effective study skills.

**Prerequisites:** MTH-010 with a C or better, or placement in MTH-020

ONL NCT	<b>MTH-020-01 340510</b>					
	TBA	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					

### MTH-020ES FUNDAMENTOS DE ARITMÉTICA II, 4 CREDITS

Este segundo curso de aritmética es un requisito previo para las tres vías de matemáticas. Revisa fundamentos matemáticos como fracciones, porcentajes, geometría y habilidades de estudio efectivas.

**Prerequisites:** MTH-010 con una C o mejor, o ubicación en MTH-020

REM NCT ESPAÑOL	<b>MTH-020ES-01 340513 S</b>				<b>8-12:20 PM</b>	
	A. ARISTIZABAL	\$504.00	\$52.00	\$20.00		\$576.00
	Requerido: petición del estudiante. Meets: 6/23-8/14.					

### MTH-050 TECHNICAL MATHEMATICS I, 4 CREDITS

Designed for career-technical students. Topics focus on critical thinking, problem solving, and mathematical communication using applications of arithmetic, measurement, geometry, and statistics and probability.

**Prerequisites:** MTH-020 with a C or better, or placement in MTH-050 or higher

OC HYB LCT	<b>MTH-050-01 340515 TTH</b>				<b>1-3:20 PM</b>	
	A. ARISTIZABAL	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					

### MTH-050ES MATEMÁTICAS TÉCNICAS I, 4 CREDITS

Este curso está diseñado para estudiantes de carreras técnicas. Los temas se centran en el pensamiento crítico, la resolución de problemas y la comunicación matemática utilizando aplicaciones de aritmética, mediciones, geometría, estadística y probabilidades.

**Prerequisites:** MTH-020 con una C o mejor, o ubicación en MTH-050 o superior

REM LCT ESPAÑOL	<b>MTH-050ES-01 340518 F</b>				<b>5-9:30 PM</b>	
	A. ARISTIZABAL	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					

### MTH-060 ALGEBRA I, 4 CREDITS

Designed for review or for the beginner, this course is an introduction to topics in Algebra. Expressions, equations, inequalities, graphing, and functions are explored.

**Prerequisites:** MTH-020 with a C or better, or placement in MTH-060

#### Campus Locations:

**HAR:** Harmony Community Campus  
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**OFF:** Other Off-Campus Location

#### Distance Education Notification:

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**REM:** Remote (w/ scheduled meetings)  
**HYB:** In-person plus online work

#### Other Coding Translations:

**TBA:** To be arranged: contact department first class  
**VAR:** Variable credit class

#### ESPAÑOL: Enseñado en español

**LCT:** Low-Cost Text  
**NCT:** No-Cost Text

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee	

HAR LCT	<b>MTH-060-15 340524 TTH</b>				<b>9-11:20 AM</b>	
	A. ARISTIZABAL	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					

### MTH-065 ALGEBRA II, 4 CREDITS

The second term of topics in algebra using the rule-of-four approach: graphs, tables, words, and equations. This course emphasizes algebraic skills, as well as problem solving and graphical techniques with the use of a graphing utility.

**Prerequisites:** MTH-060 with a C or better, or placement in MTH-065

OC HYB LCT	<b>MTH-065-10 340526 TBA</b>					
	J. KUOHA	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14. This is an online section that meets for in-person testing dates only.					

HAR LCT	<b>MTH-065-15 340531 TTH</b>				<b>9-11:20 AM</b>	
	A. ARISTIZABAL	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					

### MTH-095 ALGEBRA III, 4 CREDITS

The third term of topics in algebra using the rule-of-four approach is designed to prepare students for transfer-level math courses. This course emphasizes problem-solving and graphical techniques with the use of a graphing utility.

**Prerequisites:** MTH-065 with a C or better, or placement in MTH-095

OC LCT	<b>MTH-095-01 340533 MW</b>				<b>9-11:20 AM</b>	
	J. HEVEL	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					

OC HYB LCT	<b>MTH-095-10 340540 TBA</b>					
	J. KUOHA	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14. This is an online section that meets for in-person testing dates only.					

### MTH-098 COLLEGE MATH FOUNDATIONS, 4 CREDITS

In our society, we see and hear about important topics and trends that involve numbers. In this class, participants work to understand and communicate what these numbers mean. Students will explore ways they interact with quantitative information in daily life, learn to effectively interpret and communicate quantitative information, and apply their own knowledge and experience to quantitative reasoning. Learning happens in small student groups, with technology, and through reflective writing. The class is project-based, meaning that students complete projects to demonstrate what they have learned.

**Prerequisites:** MTH-020 with a C or better, or placement in MTH-050, MTH-060, or MTH-098

ONL LCT	<b>MTH-098-10 340544</b>					
	M. PRICE	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					

### MTH-105Z MATH IN SOCIETY, 4 CREDITS

An exploration of present-day applications of mathematics focused on developing numeracy. Major topics include quantitative reasoning and problem-solving strategies, probability and statistics, and financial mathematics; these topics are to be weighted approximately equally. This course emphasizes mathematical literacy and communication, relevant everyday applications, and the appropriate use of current technology.

**Prerequisites:** MTH-095 or MTH-098 with a C or better, or placement in MTH-111Z

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
Instructor	Tuition	Fee	Crs. Fee			
OC HYB LCT	<b>MTH-105Z-01 340547 MW</b>				<b>1-2:50 PM</b>	
	M. YANNOTTA	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					
ONL LCT	<b>MTH-105Z-10 340550</b>					
	M. YANNOTTA	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					
ONL LCT	<b>MTH-105Z-11 340552</b>					
	M. JOSI	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					

**MTH-111Z PRECALCULUS I: FUNCTIONS, 4 CREDITS**

A course primarily designed for students preparing for trigonometry or calculus. This course focuses on functions and their properties, including polynomial, rational, exponential, logarithmic, piecewise-defined, and inverse functions. These topics will be explored symbolically, numerically, and graphically in real-life applications and interpreted in context. This course emphasizes skill building, problem solving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of present-day technology.

**Prerequisites:** MTH-095 with a C or better, or placement in MTH-111Z

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

OC LCT	<b>MTH-111Z-01 340553 TTH</b>				<b>9-11:50 AM</b>	
	B. WEBBER	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					
OC HYB LCT	<b>MTH-111Z-10 340558 TBA</b>					
	J. KUOHA	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14. This is an online section that meets for in-person testing dates only.					

**MTH-112Z PRECALCULUS II: TRIGONOMETRY, 4 CREDITS**

A course primarily designed for students preparing for calculus and related disciplines. This course explores trigonometric functions and their applications as well as the language and measurement of angles, triangles, circles, and vectors. These topics will be explored symbolically, numerically, and graphically in real-life applications and interpreted in context. This course emphasizes skill building, problem solving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of present-day technology.

**Prerequisites:** MTH-111Z with a C or better, or placement in MTH-112Z

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

OC LCT	<b>MTH-112Z-01 340560 MW</b>				<b>9-11:50 AM</b>	
	B. WEBBER	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					
OC LCT	<b>MTH-112Z-02 345093 TTH</b>				<b>2-4:50 PM</b>	
	B. WEBBER	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					

**MTH-251Z DIFFERENTIAL CALCULUS, 4 CREDITS**

This course explores limits, continuity, derivatives, and their applications for real-valued functions of a single variable. These topics will be explored graphically, numerically, and symbolically in real-life applications. This course emphasizes abstraction, problem-solving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of technology.

**Prerequisites:** MTH-112Z with a C or better, or placement in MTH-251Z

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

OC HYB LCT	<b>MTH-251Z-10 340572 TBA</b>					
	C. WARNER	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14. This is an online section that meets for in-person testing dates only.					

**MTH-252Z INTEGRAL CALCULUS, 4 CREDITS**

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**REM:** Remote (w/ scheduled meetings)  
**HYB:** In-person plus online work

**Other Coding Translations:**

**TBA:** To be arranged: contact department first class  
**VAR:** Variable credit class

**ESPAÑOL:** Enseñado en español

**LCT:** Low-Cost Text  
**NCT:** No-Cost Text

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
Instructor	Tuition	Fee	Crs. Fee			
	This course explores Riemann sums, definite integrals, and indefinite integrals for real-valued functions of a single variable. These topics will be explored graphically, numerically, and symbolically in real-life applications. This course emphasizes abstraction, problem-solving, modeling, reasoning, communication, connections with other disciplines, and the appropriate use of technology.					
	<b>Prerequisites:</b> MTH-251Z with a C or better					
	<b>Recommended Prerequisites:</b> WRD-098 or placement in WR-121Z					

OC LCT	<b>MTH-252Z-01 340573 TTH</b>				<b>1-3:50 PM</b>	
	M. HAUGEN	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					

**MTH-253Z CALCULUS: SEQUENCES AND SERIES, 4 CREDITS**

This course explores real-valued sequences and series, including power and Taylor series. Topics include convergence and divergence tests and applications. These topics will be explored graphically, numerically, and symbolically. This course emphasizes abstraction, problem-solving, reasoning, communication, connections with other disciplines, and the appropriate use of technology.

**Prerequisites:** MTH-252Z with a C or better

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

OC LCT	<b>MTH-253Z-01 340575 TTH</b>				<b>1-3:50 PM</b>	
	S. PRUYN	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					

**MTH-254 VECTOR CALCULUS, 5 CREDITS**

This course is an introduction to the study of vectors and analytic geometry in three-space, the calculus of vector-valued functions, and the calculus of several variables.

**Prerequisites:** MTH-252Z with a C or better

OC HYB LCT	<b>MTH-254-01 340576 W</b>				<b>1-4:50 PM</b>	
	A. HALL	\$630.00	\$65.00	\$20.00		\$715.00
	Meets: 6/23-8/14.					

**MTH-256 DIFFERENTIAL EQUATIONS, 4 CREDITS**

This course is an introduction to the study of first-order differential equations, first-order systems of differential equations, linear systems of differential equations, and applications of these topics.

**Prerequisites:** MTH-252Z with a C or better

OC HYB LCT	<b>MTH-256-01 340578 W</b>				<b>9-11:50 AM</b>	
	A. HALL	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					

**MTH-261 LINEAR ALGEBRA, 4 CREDITS**

This course is an introduction to linear analysis of n-space: systems of linear equations, vectors, matrices, matrix operations, linear transformations, linear independence, span, bases, subspaces, determinants, eigenvalues, eigenvectors, inner products, diagonalization, and applications of these topics.

**Prerequisites:** MTH-252Z with a C or better

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

OC LCT	<b>MTH-261-01 340579 TTH</b>				<b>9-11:50 AM</b>	
	M. HAUGEN	\$504.00	\$52.00	\$20.00		\$576.00
	Meets: 6/23-8/14.					

**MTH-275 A BRIDGE TO UNIVERSITY MATHEMATICS, 3 CREDITS**

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
		Instructor		Tuition	Fee	Crs. Fee

This is a bridge course designed to help students transition from computation-based mathematics to the more proof-based curriculum typical of junior and senior collegiate-level mathematics courses. Students will construct and validate proofs, explore the nature of mathematics, and navigate some of the systems and conventions used within the mathematics community. May be repeated for up to 6 credits.

**Prerequisites:** MTH-251Z

REM LCT	<b>MTH-275-01</b>	<b>340581</b>	<b>MTWTH</b>	<b>9-10:50 AM</b>		
	M. YANNOTTA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Required: Student Petition. Meets: 6/23-7/10.

## Medical Billing and Coding

### MBC-225 ICD-10, CPT AND HCPCS CODING II, 5 CREDITS

This course will demonstrate fundamental medical coding skills for professional services, such as physicians, mid-level providers, etc. Students will explore the basics of diagnostic and procedural medical coding related to the International Classification of Diseases, Revision 10 -Clinical Modification (ICD-10 CM), Current Procedural Terminology (CPT) and Healthcare Common Procedure Coding System (HCPCS) Code Sets.

**Prerequisites:** MBC-120, MBC-125, and MBC-126 with a C or better

**Required:** Medical Billing and Coding students only

REM	<b>MBC-225-01</b>	<b>340332</b>	<b>M</b>	<b>6-9:00 PM</b>		
	C. GARNER	\$630.00	\$65.00	\$320.00	\$1,015.00	

## Music

### MUS-280 MUSIC/CWE, 2-6 CREDITS (VAR)

Cooperative work experience. Provides students with on-the-job work experience in the field of music. Required: Student Petition.

**Corequisites:** CWE-281

**Prerequisites:** MUS-107, MUS-140, and MUS-142

OC NCT	<b>MUS-280-01</b>	<b>340350</b>				
	C. DOGGETT	\$756.00	\$78.00	\$144.00	\$978.00V	
	Required: Student Petition. Corequisite: Take the following CWE-281-06.					
OC NCT	<b>MUS-280-02</b>	<b>340351</b>				
	G. HARRIS	\$756.00	\$78.00	\$144.00	\$978.00V	
	Required: Student Petition. Corequisite: Take the following CWE-281-06.					

### XMUP-0001 UNISTUS CHOIR, 0 CREDIT

Select vocal ensemble which rehearses and performs choral music from the Renaissance to the 20th century, including the music of Estonia. Provides preparation for entering professional fields of music and performance. Emphasis on a cappella singing applied to appropriate chamber music. Provides an environment whereby individual students, selected according to their talents and attitudes, may assist the group at large in achieving its full potential which is that of excellence in choral expression. The achievement of this potential is our goal. By audition.

OC	<b>XMUP-0001-01</b>	<b>340356</b>	<b>M</b>	<b>6:30 -9:20 PM</b>		
	L. CLINE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

## Music: Individual Lessons - Non-Music Majors

### MUP-100 INDIVIDUAL LESSONS: NON-MUSIC MAJORS, 1 CREDIT

**Campus Locations:**

**HAR:** Harmony Community Campus  
**OC:** Oregon City Campus  
**WILS:** Wilsonville Training Center  
**OFF:** Other Off-Campus Location

**Distance Education Notification:**

**ONL:** Online Only  
**REM:** Remote (w/ scheduled meetings)  
**HYB:** In-person plus online work

**Other Coding Translations:**

**TBA:** To be arranged: contact department first class  
**VAR:** Variable credit class

**ESPAÑOL:** Enseñado en español

**LCT:** Low-Cost Text  
**NCT:** No-Cost Text

Private lessons for beginners, non-music majors, and students who receive a low rating in MUP-171 through MUP-191 auditions. Brass, woodwind, percussion, string and keyboard instruments, and voice. May be repeated for up to 12 credits. Required: Student Petition.

OC NCT	<b>MUP-100-01</b>	<b>340333</b>	<b>TBA</b>			
	K. POLITZER	\$126.00	\$13.00	\$225.00	\$364.00	
	Required: Student Petition. Jazz Piano Lessons.					
OC NCT	<b>MUP-100-02</b>	<b>340334</b>	<b>TBA</b>			
	Y. MIYAMA	\$126.00	\$13.00	\$225.00	\$364.00	
	Required: Student Petition. Piano Lessons.					
OC NCT	<b>MUP-100-03</b>	<b>340335</b>	<b>TBA</b>			
	D. FLESHNER	\$126.00	\$13.00	\$225.00	\$364.00	
	Required: Student Petition. Rock, Blues, and Pop Piano Lessons.					
OC NCT	<b>MUP-100-04</b>	<b>340336</b>	<b>TBA</b>			
	J. ISRAELS	\$126.00	\$13.00	\$225.00	\$364.00	
	Required: Student Petition. Voice Lessons.					
OC NCT	<b>MUP-100-05</b>	<b>340337</b>	<b>TBA</b>			
	B. MICHAEL	\$126.00	\$13.00	\$225.00	\$364.00	
	Required: Student Petition. Voice Lessons.					
OC NCT	<b>MUP-100-06</b>	<b>340338</b>	<b>TBA</b>			
	C. AVERILL	\$126.00	\$13.00	\$225.00	\$364.00	
	Required: Student Petition. Cello Lessons.					
OC NCT	<b>MUP-100-07</b>	<b>340339</b>	<b>TBA</b>			
	K. DEITZ	\$126.00	\$13.00	\$225.00	\$364.00	
	Required: Student Petition. Bass Lessons.					
OC NCT	<b>MUP-100-08</b>	<b>340340</b>	<b>TBA</b>			
	D. TUTMARK	\$126.00	\$13.00	\$225.00	\$364.00	
	Required: Student Petition. Guitar Lessons.					
OC NCT	<b>MUP-100-09</b>	<b>340341</b>	<b>TBA</b>			
	A. CSIKOS	\$126.00	\$13.00	\$225.00	\$364.00	
	Required: Student Petition. Jazz Guitar Lessons.					
OC NCT	<b>MUP-100-10</b>	<b>340342</b>	<b>TBA</b>			
	G. HARRIS	\$126.00	\$13.00	\$225.00	\$364.00	
	Required: Student Petition. Saxophone Lessons.					
OC NCT	<b>MUP-100-11</b>	<b>340343</b>	<b>TBA</b>			
	J. KLAUSE	\$126.00	\$13.00	\$225.00	\$364.00	
	Required: Student Petition. Trumpet Lessons.					
OC NCT	<b>MUP-100-12</b>	<b>340344</b>	<b>TBA</b>			
	C. DOGGETT	\$126.00	\$13.00	\$225.00	\$364.00	
	Required: Student Petition. Percussion & Drum Set Lessons.					
OC NCT	<b>MUP-100-14</b>	<b>340346</b>	<b>TBA</b>			
	T. STOJANOVIC	\$252.00	\$26.00	\$450.00	\$728.00	
	Required: Student Petition. Piano Lessons.					
OC NCT	<b>MUP-100-15</b>	<b>345055</b>	<b>TBA</b>			
	C. LEE	\$126.00	\$13.00	\$225.00	\$364.00	
	Required: Student Petition. Oboe Lessons.					
OC NCT	<b>MUP-100-16</b>	<b>345056</b>	<b>TBA</b>			
	B. GARDINER	\$126.00	\$13.00	\$225.00	\$364.00	
	Required: Student Petition. Percussion Lessons.					
OC NCT	<b>MUP-100-17</b>	<b>345057</b>	<b>TBA</b>			
	L. CAMPBELL	\$126.00	\$13.00	\$225.00	\$364.00	
	Required: Student Petition. Trombone Lessons.					
OC NCT	<b>MUP-100-21</b>	<b>345059</b>	<b>TBA</b>			
	K. POLITZER	\$252.00	\$26.00	\$450.00	\$728.00	
	Required: Student Petition. Jazz Piano Lessons.					
OC NCT	<b>MUP-100-22</b>	<b>345060</b>	<b>TBA</b>			
	Y. MIYAMA	\$252.00	\$26.00	\$450.00	\$728.00	
	Required: Student Petition. Piano Lessons.					

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,TH,F,S,SU)	Time	Total	Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,TH,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee			Instructor		Tuition	Fee	Crs. Fee	
OC NCT	<b>MUP-100-23 345061 TBA</b> D. FLECHNER Required: Student Petition. Rock, Blues, and Pop Piano Lessons.		\$252.00	\$26.00	\$450.00	\$728.00		<p><i>The Nursing program at Clackamas Community College is a full partner in the Oregon Consortium for Nursing Education (OCNE). The curriculum in OCNE nursing programs is a competency-based curriculum developed in collaboration with Oregon Health &amp; Science University (OHSU) and other community colleges around the state. This curriculum, which has been approved by the Oregon State Board of Education as well as the Oregon State Board of Nursing, can ultimately culminate in a Baccalaureate of Science Degree with a focus in Nursing on the community college campus offered by OHSU.</i></p> <p><i>Admission into the nursing program is by special application only. Acceptance to the nursing program allows for co-enrollment to Clackamas Community College and Oregon Health &amp; Science University, School of Nursing.</i></p> <p><i>The Nursing Assistant course, while not required to enter the Nursing program, provides a strong foundation regarding the delivery of care to clients in various settings.</i></p> <hr/> <p><b>NUR-100 NURSING ASSISTANT I, 6.5 CREDITS</b></p> <p>This course provides the student with the skills to perform basic level nursing care. Certified Nursing Assistants are defined by law as people who assist licensed nursing personnel in the provision of nursing care. Prepares the student to perform routine nursing assistant tasks to clients in sub-acute care settings as well as in the community. Includes didactic and skills lab instruction. Major topics covered include: collaboration with health care team, communication &amp; interpersonal skills, person-centered care, infection control and prevention, safety and emergency procedures, assisting with activities of daily living, mental health and social service needs of clients, technical skills, acquiring observation and reporting skills, documentation of care provided and end-of-life care. Upon successful completion of this course, students may apply for the Oregon State Board of Nursing certification exam for nursing assistants (CNA 1). This course is approved by the Oregon State Board of Nursing. Required: Student Petition.</p> <p><b>Required:</b> Must be at least 18 years of age; High School Diploma or equivalent; Must be formally accepted by Health Sciences Admissions and attend a mandatory orientation session. During the orientation, students will start the process for completing all non-academic requirements. Non-academic requirements include: Immunizations (MMR, Varicella, Tdap, Hep B, COVID-19, seasonal Flu); complete a Criminal Background Check; Drug Screen; Tuberculosis test; BLS/CPR for Healthcare Providers certification through American Heart Association (AHA)</p> <p><b>Corequisites:</b> NUR-100C</p>					
OC NCT	<b>MUP-100-24 345062 TBA</b> J. ISRAELS Required: Student Petition. Voice Lessons.		\$252.00	\$26.00	\$450.00	\$728.00							
OC NCT	<b>MUP-100-25 345063 TBA</b> B. MICHAEL Required: Student Petition. Voice Lessons.		\$252.00	\$26.00	\$450.00	\$728.00							
OC NCT	<b>MUP-100-26 345064 TBA</b> C. AVERILL Required: Student Petition. Cello Lessons.		\$252.00	\$26.00	\$450.00	\$728.00							
OC NCT	<b>MUP-100-27 345065 TBA</b> K. DEITZ Required: Student Petition. Bass Lessons.		\$252.00	\$26.00	\$450.00	\$728.00							
OC NCT	<b>MUP-100-28 345066 TBA</b> D. TUTMARK Required: Student Petition. Guitar Lessons.		\$252.00	\$26.00	\$450.00	\$728.00							
OC NCT	<b>MUP-100-29 345067 TBA</b> A. CSIKOS Required: Student Petition. Jazz Guitar Lessons.		\$252.00	\$26.00	\$450.00	\$728.00							
OC NCT	<b>MUP-100-30 345068 TBA</b> G. HARRIS Required: Student Petition. Saxophone Lessons.		\$252.00	\$26.00	\$450.00	\$728.00							
OC NCT	<b>MUP-100-31 345069 TBA</b> J. KLAUSE Required: Student Petition. Trumpet Lessons.		\$252.00	\$26.00	\$450.00	\$728.00							
OC NCT	<b>MUP-100-32 345070 TBA</b> C. DOGGETT Required: Student Petition. Percussion & Drumset Lessons.		\$252.00	\$26.00	\$450.00	\$728.00							
OC NCT	<b>MUP-100-33 345071 TBA</b> S. TIEDEMANN Required: Student Petition. Flute Lessons.		\$252.00	\$26.00	\$450.00	\$728.00							
OC NCT	<b>MUP-100-34 345072 TBA</b> T. STOJANOVIC Required: Student Petition. Piano Lessons.		\$252.00	\$26.00	\$450.00	\$728.00							
OC NCT	<b>MUP-100-35 345073 TBA</b> C. LEE Required: Student Petition. Oboe Lessons.		\$252.00	\$26.00	\$450.00	\$728.00							
OC NCT	<b>MUP-100-36 345074 TBA</b> B. GARDINER Required: Student Petition. Percussion Lessons.		\$252.00	\$26.00	\$450.00	\$728.00							
OC NCT	<b>MUP-100-37 345058 TBA</b> L. CAMPBELL Required: Student Petition. Trombone Lessons.		\$126.00	\$13.00	\$225.00	\$364.00							

**Nursing**

**Campus Locations:**  
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**ESPAÑOL:** Enseñado en español  
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Course No	Course Title, Credits	Section No	Instructor	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Tuition	Fee	Time	Crs. Fee	Total
HAR	<b>NUR-100C-01 340353 TBA</b> J. LAFRANCE Required: Student Petition. Mandatory 3 hours orientation at clinical site/TBA.			\$0.00		\$0.00		\$0.00		\$0.00
HAR	<b>NUR-100C-02 345040 TBA</b> M. BAKER Required: Student Petition.			\$0.00		\$0.00		\$0.00		\$0.00

## Philosophy

### PHL-101 PHILOSOPHICAL PROBLEMS, 4 CREDITS

Introduces basic philosophical questions such as: What is reality? What is knowledge? What is truth? Can humans freely choose? What is human awareness? What is a meaningful life?

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

ONL LCT	<b>PHL-101-01 340583</b> K. HADDIX Meets online: 6/23-8/14.			\$504.00		\$52.00		\$0.00		\$556.00
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### PHL-102 ETHICS, 4 CREDITS

Introduces the study of morality with concepts of good, harm, habits, character, perception, behavior and action. Also considers the different theories of human capacity for responsibility.

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

ONL NCT	<b>PHL-102-01 340586</b> M. BAILEY Meets online: 6/23-8/14.			\$504.00		\$52.00		\$0.00		\$556.00
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## Phlebotomy

### PHB-125 PROFESSIONALISM IN HEALTHCARE, 1 CREDIT

This course is designed to support the transition from practicum to employment by exploring nationally recognized credentialing options, summarizing essential skills related to phlebotomy, and finalizing professional portfolio for employment.

**Prerequisites:** PHB-110, PHB-112, and PHB-115

**Corequisites:** PHB-130

ONL LCT	<b>PHB-125-01 340354</b> E. ZUNIGA Required: Student Petition.			\$126.00		\$13.00		\$100.00		\$239.00
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### PHB-130 PHLEBOTOMY PRACTICUM, 5 CREDITS

Provide hands-on experience in a supervised and accredited laboratory or clinical environment, providing the opportunity for students to apply practical skills and knowledge learned in previous courses and gain professional experience in a healthcare environment.

**Required:** Compliance with the Oregon Health Authority rules for students. Vaccination records for Tdap, MMR, Varicella, Hep B, COVID-19. Completed criminal background check, drug screen, and BLS CPR card through the American Heart Association

**Prerequisites:** PHB-110, PHB-112, and PHB-115

**Corequisites:** PHB-125

HAR	<b>PHB-130-01 340355 TBA</b> E. ZUNIGA Required: Student Petition.			\$630.00		\$65.00		\$125.00		\$820.00
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## Physical Education

### PE-185 PHYSICAL ACTIVITY CLASSES, 1 CREDIT

#### Campus Locations:

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Course No	Course Title, Credits	Section No	Instructor	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Tuition	Fee	Time	Crs. Fee	Total
<b>Recommended:</b> Current physical examination before enrolling										
ONL NCT	<b>WALK, JOG, FITNESS I, 1 CREDIT</b> <b>PE-185-010 340605</b> K. MCHONE Meets: 6/23-8/14.			\$126.00		\$13.00		\$30.00		\$169.00
ONL NCT	<b>WALK, JOG, FITNESS I, 1 CREDIT</b> <b>PE-185-011 340606</b> J. RHODEN Meets: 6/23-8/14.			\$126.00		\$13.00		\$30.00		\$169.00

## Political Science

### PS-201 AMERICAN GOVERNMENT AND POLITICS, 4 CREDITS

Examines the founding principles of the American government, as well as the Constitution, the separation of powers, and the three branches of government, political parties and elections, and the role of interest groups and the media in the political process. In addition, assesses the growing power of the executive branch, the expansion and reach of the federal bureaucracy, governmental policies, and the civil liberties and civil rights of American citizens.

**Recommended Prerequisites:** WRD-090 or placement in WRD-098

ONL	<b>PS-201-01 340589</b> J. HITE Meets online: 6/23-8/14.			\$504.00		\$52.00		\$0.00		\$556.00
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## Psychology

### PSY-101 HUMAN RELATIONS, 3 CREDITS

Focuses on developing skills and strategies necessary to build and maintain successful personal and professional relationships. Applies psychological principles to understanding relationships with ourselves and others in social, workplace, and digital contexts. Includes an overview of basic psychology principles in addition to skill development in the following areas: dealing with emotions, interpersonal communication, developing close relationships, resolving conflicts, and managing stress. Includes individual and group activities, lecture, and discussions with an emphasis on student participation.

**Recommended Prerequisites:** WRD-090 or placement in WRD-098

ONL NCT	<b>PSY-101-01 340591</b> M. MALLATT Meets online: 6/23-8/14.			\$378.00		\$39.00		\$0.00		\$417.00
ONL NCT	<b>PSY-101-ASE01 340596</b> M. MALLATT Meets online: 6/23-8/14. Required: Student Petition.			\$0.00		\$0.00		\$0.00		\$0.00

### PSY-201Z INTRODUCTION TO PSYCHOLOGY I, 4 CREDITS

Introduction to the science and application of psychology. Emphasis will be placed on psychological concepts, theories, and principles related to: Research Methods, Behavioral Neuroscience, Consciousness, Sensation/Perception, Learning, Memory, Thinking and Intelligence, and related topics.

**Recommended Prerequisites:** WRD-090 or placement in WRD-098

ONL	<b>PSY-201Z-01 340597</b> S. TOBIN Meets online: 6/23-8/14.			\$504.00		\$52.00		\$0.00		\$556.00
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### PSY-215 INTRODUCTION TO DEVELOPMENTAL PSYCHOLOGY, 4 CREDITS

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Tuition	Fee	Time	Total
	Instructor						Crs. Fee	

Research and theories regarding the development of the individual from conception to death, including physical, social and cognitive changes.  
**Prerequisite or Corequisite:** WRD-098 or placement in WR-121Z  
**Recommended Prerequisite or Corequisite:** FYE-101

ONL	<b>PSY-215-01</b> 340602							
	J. BENNETT	\$504.00	\$52.00	\$0.00	\$556.00			
	Meets online: 7/28-8/28.							

**PSY-219 INTRODUCTION TO PSYCHOLOGICAL DISORDERS, 4 CREDITS**

Introduction to clinical psychology, including common mental health concerns and approaches to treatment.  
**Prerequisite or Corequisite:** WRD-098 or placement in WR-121Z

ONL NCT	<b>PSY-219-01</b> 340609							
	E. SAUBER	\$504.00	\$52.00	\$0.00	\$556.00			
	Meets online: 6/23-8/14.							

**PSY-231 INTRODUCTION TO HUMAN SEXUALITY, 4 CREDITS**

Introduction to research and theories of human sexual behavior, including: sexual relationships, communication and intimacy, sex roles, the development of gender, social trends regarding sexuality, human sexual response, biology of sexuality, and conception.  
**Prerequisite or Corequisite:** WRD-098 or placement in WR-121Z

ONL NCT	<b>PSY-231-01</b> 340611							
	E. SAUBER	\$504.00	\$52.00	\$0.00	\$556.00			
	Meets online: 6/23-8/14.							

**Religion**

**R-101 JUDAISM AND FOUNDATIONS OF RELIGION, 4 CREDITS**

An introduction to religious topics, meaning of sacred, the nature of myth and story, ideas of God/god, ancient religions, and Judaism.  
**Recommended Prerequisites:** WRD-090 or placement in WRD-098

ONL	<b>R-101-01</b> 340613							
	J. SHELTON	\$504.00	\$52.00	\$0.00	\$556.00			
	Meets online: 6/23-8/14.							

**Renewable Energy Technology**

*All degree seeking students should arrange to speak to a faculty advisor prior to registering. Call 503-594-3318 for more information, or contact Advising, 503-594-3475.*

**RET-280 RENEWABLE ENERGY/CWE, 1-12 CREDITS**

Cooperative work experience. Major emphasis on work-based learning experience in the renewable energy field. Coordination of instruction and evaluation of student job performance will be provided by college faculty in conjunction with the student's employer/supervisor. Required: Student Petition.  
**Corequisites:** CWE-281

ONL	<b>RET-280-01</b> 340607							
	C. CONNORS	\$1,512.00	\$156.00	\$570.00	\$2,238.00	0		
	Required: Student Petition. Corequisite: Take the following CWE-281-06.							

**Small Business Development Center**

**Campus Locations:**  
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**ESPAÑOL:** Enseñado en español  
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Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Tuition	Fee	Time	Total
	Instructor						Crs. Fee	

*Registration for these workshops does not require college admission. E-mail [bizcenter@clackamas.edu](mailto:bizcenter@clackamas.edu) for online registration instructions.*

*For more information on these classes or other questions regarding your small business needs, contact the Small Business Development Center (SBDC) at 503-594-0738. Website: [www.oregonsbdc.org/clackamas](http://www.oregonsbdc.org/clackamas)*

**SBM-010 REAL ESTATE BROKER LICENSE, 0 CREDIT**

Prepares students to qualify for the Oregon Real Estate Broker's License exam by studying statutes, rules and anti-discrimination laws pertaining to the licensing and professional real estate activity required by all licensees of the State of Oregon.

REM	<b>SBM-010-01SU</b>	<b>345160 TH</b>	<b>6-9:00 PM</b>
	TBA	<b>S</b>	<b>9-5:00 PM</b>

**SBM-011 PROPERTY MANAGEMENT PRE-LICENSE, 0 CREDIT**

Prepares students to qualify for the Oregon Real Estate Property Management License exam by studying laws and statutes pertaining to the licensing and professional property management activity required by all licensees of the State of Oregon.

REM	<b>SBM-011-01SU</b>	<b>345161 T</b>	<b>6-7:50 PM</b>
	TBA		

**XSBM-0003 GOING INTO BUSINESS, 0 CREDIT**

Going Into Business orientation introduces the steps you need to take to start-up and successfully operate a small business in Oregon. Before you go too far, find out what it takes to start up your own business. This workshop will help you assess whether business ownership is the right path for you. Discover what resources are available to you for researching, starting-up, financing, and managing your new business.

REM	<b>XSBM-0003-01SU</b>	<b>345164 TH</b>	<b>6:30 -9:20 PM</b>
	J. SELBY		
REM	<b>XSBM-0003-02SU</b>	<b>345154 TH</b>	<b>6:30 -9:20 PM</b>
	J. SELBY		
REM	<b>XSBM-0003-03SU</b>	<b>345155 TH</b>	<b>6:30 -9:20 PM</b>
	J. SELBY		

**XSBM-0011 QUICKBOOKS PRO: PART I, 0 CREDIT**

Learn how to set up and use QuickBooks. Students enter company, customer and vendor information, produce invoices, accept payments, make deposits and pay bills using QuickBooks.

HAR	<b>XSBM-0011-21SU</b>	<b>345156 W</b>	<b>6-8:50 PM</b>
	C. WEESNER		

**XSBM-0024 RECORDKEEPING & ESTIMATING, 0 CREDIT**

This class is designed to help those students who have successfully completed the Preparing for the CCB Exam class gain a basic understanding of recordkeeping and entry level estimating practices.

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,TH,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee	
ONL	<b>XSBM-0024-40SU</b> D. TOURNEY	<b>345159</b>				

**Social Science**

**SSC-160 FAITH & REASON, 4 CREDITS**

An introduction of how personal concepts of faith & reason and institutions of science & religion shape personal intellectual landscapes. Examines classical philosophy, sacred texts, worldviews, modern fiction, poetry, theology, cosmology, and evolutionary biology.

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

ONL	<b>SSC-160-01</b> J. SHELTON	<b>340627</b>	\$504.00	\$52.00	\$0.00	\$556.00
Meets online: 6/23-8/14.						

**Sociology**

**SOC-204Z INTRODUCTION TO SOCIOLOGY, 4 CREDITS**

Introduces the central concepts, theories, and methods that define the sociological approach to investigating the social forces that shape our lives. Topics may include social structure, culture, socialization, race, class, gender, sexuality, and inequality.

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

OC HYB	<b>SOC-204Z-01</b> E. PFEIFER	<b>340614 W</b>	\$504.00	\$52.00	\$0.00	\$556.00
Meets: 6/23-8/14.						

**SOC-206Z SOCIAL PROBLEMS, 4 CREDITS**

Applies the sociological perspective to the study of social problems, including their social construction, causes, and consequences. Explores the complexities surrounding their solutions, such as how solutions are socially constructed and policy proposals from sociologists and social movements. Topics may include poverty, discrimination, interpersonal violence, crime, addiction, ecological crises, war/global conflict, and health inequality.

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

OC HYB	<b>SOC-206Z-01</b> E. PFEIFER	<b>345229 TH</b>	\$504.00	\$52.00	\$0.00	\$556.00
Meets: 6/23-8/14.						

**Statistics**

**STAT-243Z ELEMENTARY STATISTICS I, 4 CREDITS**

A first course in statistics focusing on the interpretation and communication of statistical concepts. Introduces exploratory data analysis, descriptive statistics, sampling methods and distributions, point and interval estimates, hypothesis tests for means and proportions, and elements of probability and correlation. Technology will be used when appropriate.

**Prerequisites:** MTH-105Z or MTH-111Z with a C or better, or placement in STAT-243Z

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

OC LCT	<b>STAT-243Z-01</b> T. BIEBER	<b>340628 MW</b>	\$504.00	\$52.00	\$20.00	\$576.00
Meets: 6/23-8/14.						
ONL LCT	<b>STAT-243Z-10</b> M. PRICE	<b>340631</b>	\$504.00	\$52.00	\$20.00	\$576.00
Meets: 6/23-8/14.						

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**Other Coding Translations:**  
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**Water & Environmental Technology**

**WET-108 CROSS-CONNECTION CONTROL PROGRAM SPECIALIST, 3 CREDITS**

Specialized training for those who want to be involved in administering cross-connection control programs. Elements of a cross-connection control program, basic hydraulics, state specific regulations, identifying possible cross-connections and site surveys in order to determine proper type of backflow protection, if needed.

OC	<b>WET-108-01</b> J. NURMI	<b>340612 TWTHF</b>	\$378.00	\$39.00	\$0.00	\$417.00
Meets: 9/2-9/5. Section meets in-person on campus. Contact Jim Nurmi at jamesn@clackamas.edu for more information.						

**WET-109 BACKFLOW ASSEMBLY OPERATION AND TESTING, 4 CREDITS**

Lecture course with lab component that focuses on backflow assembly hydraulics, operations, installation, and testing.

OC	<b>WET-109-02</b> M. LAFORCE	<b>340617 MTWTHF</b>	\$504.00	\$52.00	\$4.00	\$560.00
Meets: 8/4-8/8.						

**WET-180 WATER & ENVIRONMENTAL PROJECTS I, 5 CREDITS**

Cooperative work experience. Practical work experience in a municipal industrial treatment, distribution, or collection system. Placement in consulting firms, federal and state regulatory agencies, BLM, BPA, and other regulated governmental organizations.

**Corequisites:** CWE-281

ONL	<b>WET-180-01</b> M. LAFORCE	<b>340618</b>	\$630.00	\$65.00	\$45.00	\$740.00
Meets: 6/23-8/14. Required: Student Petition. Corequisite: Take the following CWE-281-03.						

**WET-280 WATER & ENVIRONMENTAL PROJECTS II, 5 CREDITS**

Cooperative work experience. Practical work experience in a municipal industrial treatment, distribution, or collection system. Placement in consulting firms, federal and state regulatory agencies, BLM, BPA, and other regulated governmental organizations. Practical experience in a municipal, public or private wastewater treatment facility of specific activated sludge design. Process loading criteria, data acquisition & trend charting, and relevant sanitary process strategies will be addressed.

**Corequisites:** CWE-281

ONL	<b>WET-280-01</b> M. LAFORCE	<b>340620</b>	\$630.00	\$65.00	\$45.00	\$740.00
Meets: 6/23-8/14. Required: Student Petition. Corequisite: Take the following CWE-281-03.						

**XWET-C002 1-DAY TESTER RENEWAL, 0.60 CEUS**

Update on OARs and hands on testing to recertify student for backflow assembly certification through the State of Oregon.

OC	<b>XWET-C002-11</b> M. LAFORCE	<b>340723 F</b>	\$0.00	\$0.00	\$0.00	\$0.00
Meets: 7/11. Fee: \$100.00. Go to ccc-wet.eventbrite.com to sign up.						

**XWET-C004 4-DAY CROSS CONNECTION SPECIALIST COURSE, 3.20 CEUS**

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee	

Designed to provide information to individuals involved in the protection of public water systems from contamination due to cross connections. This course should be of special interest to cross connection control specialists, plumbing inspectors, waterworks managers, and backflow device testers.

oc	<b>XWET-C004-41</b>	<b>340725</b>	<b>TWTHF</b>		<b>8-4:50 PM</b>	
	J. NURMI	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Meets: 9/2-9/5. Fee: \$400.00. Go to <a href="http://ccc-wet.eventbrite.com">ccc-wet.eventbrite.com</a> to sign up.					

**XWET-C005 5-DAY BACKFLOW TESTER COURSE, 4.00 CEUS**

Presentation of backflow prevention assemblies used for water/wastewater system cross connection control. Class will include overview of hydraulics and degree of hazards, proper backflow installation procedures, and approved testing/troubleshooting procedures. Students will learn to identify common, actual, and potential cross connection hazards; students will be introduced to the basic requirements for carrying out a cross connection program. Students will be able to apply to Oregon Health Authority for Certification by that agency.

oc	<b>XWET-C005-52</b>	<b>340727</b>	<b>MTWTHF</b>		<b>8-5:00 PM</b>	
	M. LAFORCE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Meets: 8/4-8/8. Fee: \$500.00. Go to <a href="http://ccc-wet.eventbrite.com">ccc-wet.eventbrite.com</a> to sign up.					

**Welding Technology**

*Must have ANSI approved eye protection first day and comply with College safety policy.*

**WLD-100 WELDER'S PRINT READING I, 3 CREDITS**

Provides instruction in reading and interpretation of prints and symbols common in the welding industry. Participants will learn the interpretation and application of basic lines, dimensions, structural shapes, and specifications. Welding symbols and their application to different types of joint configurations will be covered, as well as how to develop basic shop drawings and prints.

oc	<b>WLD-100-01</b>	<b>340621</b>	<b>T</b>		<b>5-8:50 PM</b>	
	M. TIZO	\$378.00	\$39.00	\$219.00	\$636.00	
	Meets: 6/24-8/19.					

**WLD-102 INTRODUCTION TO WELDING, 2 CREDITS**

Designed for the beginner and experimental welder. Includes: oxy-acetylene cutting and welding, SMAW (Shielded Metal Arc Welding), GMAW & FCAW (Gas Metal Arc Welding & Flux Core Arc Welding) and GTAW (Gas Tungsten Arc Welding) and plasma arc cutting.

oc LCT	<b>WLD-102-01</b>	<b>340623</b>	<b>S</b>		<b>8-12:50 PM</b>	
	K. DRURY	\$252.00	\$26.00	\$146.00	\$424.00	
	Meets: 6/28-8/23.					

**WLD-110 WELDER CERTIFICATION, 4 CREDITS**

This course provides theory and practical instruction to become a certified welder. Students will choose a welding process (flux core arc welding, shielded metal arc welding, or gas tungsten arc welding) for certification. Material needed for practice welding will be provided. Students will take a welding certification exam at the end of the class. May be repeated for up to 12 credits.

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**ESPAÑOL:** Enseñado en español  
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Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee	

OC LCT	<b>WLD-110-01</b>	<b>340626</b>	<b>MW</b>		<b>8-12:50 PM</b>	
	R. ABBOTT	\$504.00	\$52.00	\$432.00	\$988.00	
	Required: Student Petition. Meets: 6/23-8/20.					

OC	<b>WLD-110-02</b>	<b>340629</b>	<b>MW</b>		<b>5-9:50 PM</b>	
	M. TIZO	\$504.00	\$52.00	\$432.00	\$988.00	
	Meets: 6/24 - 8/21.					

OC LCT	<b>WLD-110-04</b>	<b>340630</b>	<b>TTH</b>		<b>10:30 -3:20 PM</b>	
	B. MULLIGAN	\$504.00	\$52.00	\$432.00	\$988.00	
	Required: Student Petition. Meets: 6/24-8/21.					

OC LCT	<b>WLD-110-05</b>	<b>340633</b>	<b>TTH</b>		<b>5-9:50 PM</b>	
	B. MULLIGAN	\$504.00	\$52.00	\$432.00	\$988.00	
	Required: Student Petition. Meets: 6/24-8/21.					

**WLD-113 GAS METAL ARC WELDING/FLUX CORE ARC WELDING (WIREFEED), 8 CREDITS**

Provides students with the opportunity to acquire knowledge and skills to set up and operate equipment to perform fillet and groove welds in all positions with the Gas Metal Arc and Flux Core Arc Welding processes. Oxy-fuel cutting, and air carbon arc cutting and gouging will be covered. Welding codes, standards and specifications will be reviewed.

OC LCT	<b>WLD-113-01</b>	<b>340634</b>	<b>MTWTH</b>		<b>5-9:50 PM</b>	
	J. PHELPS	\$1,008.00	\$104.00	\$584.00	\$1,696.00	
		0				
	Meets: 6/23-8/21.					

**WLD-113A GAS METAL ARC WELDING/FLUX CORE ARC WELDING (WIREFEED), 4 CREDITS**

The first half of WLD-113 which provides the opportunity to acquire knowledge and skills to set up and operate equipment to perform fillet welds in flat and horizontal positions with the Gas Metal Arc and Flux Core Arc Welding processes. Oxy-fuel cutting, air carbon arc cutting and gouging will be covered.

OC LCT	<b>WLD-113A-01</b>	<b>340635</b>	<b>MW</b>		<b>5-9:50 PM</b>	
	J. PHELPS	\$504.00	\$52.00	\$292.00	\$848.00	
	Meets: 6/23-8/20.					

**WLD-113B GAS METAL ARC WELDING/FLUX CORE ARC WELDING (WIREFEED), 4 CREDITS**

The second half of WLD-113 which provides the opportunity to acquire additional knowledge and skills needed to perform more advanced fillet and groove welds in vertical and overhead positions with the Gas Metal Arc and Flux Core Arc Welding processes. Welding codes, standards, and specifications will be reviewed.

**Prerequisites:** WLD-113A

OC LCT	<b>WLD-113B-01</b>	<b>340640</b>	<b>TTH</b>		<b>5-9:50 PM</b>	
	J. PHELPS	\$504.00	\$52.00	\$292.00	\$848.00	
	Meets: 6/24-8/21.					

**WLD-115 GAS TUNGSTEN ARC WELDING (GTAW), 8 CREDITS**

Provides students with the opportunity to acquire knowledge and skills to set up and operate equipment to perform fillet and groove welds in all positions with the Gas Tungsten Arc Welding process. Plasma arc cutting will be covered. Welding codes, standards, and specifications will be reviewed.

oc	<b>WLD-115-01</b>	<b>340643</b>	<b>MTWTH</b>		<b>8-12:50 PM</b>	
	D. PODKOWA	\$1,008.00	\$104.00	\$584.00	\$1,696.00	
		0				
	Meets: 6/23-8/21.					

**WLD-115A GAS TUNGSTEN ARC WELDING (GTAW), 4 CREDITS**

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
Instructor	Tuition	Fee	Crs. Fee			

The first half of WLD-115 which provides the opportunity to acquire knowledge and skills to set up and operate equipment to perform fillet welds in flat and horizontal positions with the Gas Tungsten Arc Welding (GTAW) process. Plasma arc cutting will be covered.

oc	<b>WLD-115A-01 340651 MW</b>				<b>8-12:50 PM</b>	
	D. PODKOWA	\$504.00	\$52.00	\$292.00		\$848.00
	Meets: 6/23-8/20.					

**WLD-115B GAS TUNGSTEN ARC WELDING (GTAW), 4 CREDITS**

The second half of WLD-115 which provides the opportunity to acquire additional knowledge and skills needed to perform more advanced fillet and groove welds in vertical and overhead positions with the Gas Tungsten Arc Welding process. Welding codes, standards, and specifications will be reviewed.

**Prerequisites:** WLD-115A

oc	<b>WLD-115B-01 340657 TTH</b>				<b>8-12:50 PM</b>	
	D. PODKOWA	\$504.00	\$52.00	\$292.00		\$848.00
	Meets: 6/24-8/21.					

**WLD-150 WELDING PROCESSES, 4 CREDITS**

Covers oxy-fuel welding, brazing, cutting, SMAW (Shielded Metal Arc Welding), GMAW & FCAW (Gas Metal Arc Welding & Flux Core Arc Welding) and GTAW (Gas Tungsten Arc Welding) and plasma arc cutting and plasma cutting. This course includes safety, electrical fundamentals, routine maintenance, minor repairs, and welding terms and definitions.

oc	<b>WLD-150-01 340659 MW</b>				<b>8-12:50 PM</b>	
	R. ABBOTT	\$504.00	\$52.00	\$292.00		\$848.00
	Meets: 6/23-8/20.					

oc	<b>WLD-150-02 340668 MW</b>				<b>5-9:50 PM</b>	
	M. TIZO	\$504.00	\$52.00	\$292.00		\$848.00
	Meets: 6/23-8/20.					

**WLD-200 WELDER'S PRINT READING II, 3 CREDITS**

Provides instruction in reading and interpretation of prints and symbols common in welding industry. Participants will learn interpretation and application of blueprint views. Includes basic layout techniques and math review. American Welding Society symbols, International Standards Organization symbols, pipe welding symbols, and inspection symbols are covered.

**Prerequisites:** WLD-100

oc	<b>WLD-200-01 340671 W</b>				<b>1-4:50 PM</b>	
	D. PODKOWA	\$378.00	\$39.00	\$219.00		\$636.00
	Meets: 6/25-8/20.					

**WLD-215 ADVANCED GAS TUNGSTEN ARC WELDING, 4 CREDITS**

This course provides the opportunity for students to acquire the knowledge and skills needed to perform quality fillet and groove welds in all positions using the Gas Tungsten Arc Welding (GTAW) process. Advanced welding theory and procedures will also be included.

**Prerequisites:** WLD-115; or WLD-115A and WLD-115B

oc LCT	<b>WLD-215-01 340675 TTH</b>				<b>10:30 -3:20 PM</b>	
	B. MULLIGAN	\$504.00	\$52.00	\$292.00		\$848.00
	Meets: 6/24-8/21.					

**WLD-250 WELDING FABRICATION I BEGINNING PROJECT, 4 CREDITS**

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Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
Instructor	Tuition	Fee	Crs. Fee			

This course consists of lecture and lab and provides instruction in fabrication techniques including blueprint reading, layout, sketching, bills of material, job cost calculations, measuring, fitting, cutting and welding. Students will be assigned beginning fabrication projects. The student will be responsible for all aspects of managing the project to successful completion.

**Prerequisites:** WLD-111, WLD-113, or WLD-115

OC LCT	<b>WLD-250-01 340679 TTH</b>				<b>5-9:50 PM</b>	
	B. MULLIGAN	\$504.00	\$52.00	\$292.00		\$848.00
	Meets: 6/24-8/21.					

**WLD-251 WELDING FABRICATION II INTERMEDIATE PROJECT, 4 CREDITS**

This course consists of lecture and lab. Students will use the skills learned in WLD-250, such as blueprint reading, layout, sketching, bills of materials, job cost calculations, measuring, fitting, cutting and welding, and apply them to more challenging projects. Students will be assigned intermediate fabrication projects. The student will be responsible for all aspects of managing the project to successful completion.

**Prerequisites:** WLD-250

OC LCT	<b>WLD-251-01 340681 TTH</b>				<b>5-9:50 PM</b>	
	B. MULLIGAN	\$504.00	\$52.00	\$292.00		\$848.00
	Meets: 6/24-8/19.					

**WLD-252 WELDING FABRICATION III ADVANCED PROJECT, 4 CREDITS**

This course consists of lecture and lab. Students will use the skills learned in WLD-250 and WLD-251, such as blueprint reading, layout, sketching, bills of materials, job cost calculations, measuring, fitting, cutting and welding, and apply them to advanced projects. Students will be assigned advanced fabrication projects. The student will be responsible for all aspects of managing the project to successful completion.

**Prerequisites:** WLD-251

OC LCT	<b>WLD-252-01 340686 TTH</b>				<b>5-9:50 PM</b>	
	B. MULLIGAN	\$504.00	\$52.00	\$292.00		\$848.00
	Meets: 6/24-8/21.					

**WLD-261 WELDING SPECIAL PROJECTS, 1-2 CREDITS (VAR)**

Allows students to improve their welding skills while working on instructor-approved projects. May be repeated for up to 12 credits.

OC LCT	<b>WLD-261-01 340689 T</b>				<b>10:30 -3:20 PM</b>	
	B. MULLIGAN	\$252.00	\$26.00	\$146.00		\$424.00V
	Required: Student Petition. Meets: 6/24-8/19.					

OC LCT	<b>WLD-261-02 340693 M</b>				<b>8-12:50 PM</b>	
	D. PODKOWA	\$252.00	\$26.00	\$146.00		\$424.00V
	Required: Student Petition. Meets: 6/23-8/18.					

OC LCT	<b>WLD-261-03 340695 M</b>				<b>5-9:50 PM</b>	
	J. PHELPS	\$252.00	\$26.00	\$146.00		\$424.00V
	Required: Student Petition. Meets: 6/23-8/18.					

OC LCT	<b>WLD-261-04 340697 T</b>				<b>5-9:50 PM</b>	
	J. PHELPS	\$252.00	\$26.00	\$146.00		\$424.00V
	Required: Student Petition. Meets: 6/24-8/19.					

OC LCT	<b>WLD-261-05 340699 TH</b>				<b>10:30 -3:20 PM</b>	
	B. MULLIGAN	\$252.00	\$26.00	\$146.00		\$424.00V
	Required: Student Petition. Meets: 6/26-8/21.					

OC LCT	<b>WLD-261-06 340700 T</b>				<b>8-12:50 PM</b>	
	D. PODKOWA	\$252.00	\$26.00	\$146.00		\$424.00V
	Required: Student Petition. Meets: 6/24-8/19.					

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
Instructor	Tuition	Fee	Crs. Fee			
OC LCT	<b>WLD-261-07 340701 W</b> 5-9:50 PM J. PHELPS		\$252.00	\$26.00	\$146.00	\$424.00V
Required: Student Petition. Meets: 6/25-8/20.						
OC LCT	<b>WLD-261-08 340702 TH</b> 5-9:50 PM J. PHELPS		\$252.00	\$26.00	\$146.00	\$424.00V
Required: Student Petition. Meets: 6/26-8/21.						
OC LCT	<b>WLD-261-09 340703 W</b> 8-12:50 PM D. PODKOWA		\$252.00	\$26.00	\$146.00	\$424.00V
Required: Student Petition. Meets: 6/25-8/20.						
OC LCT	<b>WLD-261-10 340704 S</b> 8-12:50 PM K. DRURY		\$252.00	\$26.00	\$146.00	\$424.00V
Required: Student Petition. Meets: 6/28-8/23.						
OC LCT	<b>WLD-261-11 340705 TH</b> 8-12:50 PM D. PODKOWA		\$252.00	\$26.00	\$146.00	\$424.00V
Required: Student Petition. Meets: 6/26-8/21.						

**XWLD-0001 AMERICAN WELDING SOCIETY (WLD) CERTIFICATION 1 PLATE TEST, 0 CREDIT**

Welder certification in accordance with AWS D1.1 for one position for students enrolled in any CCC welding course.

oc	<b>XWLD-0001- 340730 TBA 01</b> B. MULLIGAN		\$0.00	\$0.00	\$140.00	\$140.00
Required: Student Petition.						

**XWLD-0002 AMERICAN WELDING SOCIETY CERTIFICATION 2 PLATE OR 1 PIPE TEST, 0 CREDIT**

Welder certification in any two positions, in accordance with AWS D1.1 for students enrolled in any CCC welding course.

oc	<b>XWLD-0002- 340731 TBA 01</b> B. MULLIGAN		\$0.00	\$0.00	\$280.00	\$280.00
Required: Student Petition.						

**XWLD-0003 AMERICAN WELDING SOCIETY CERTIFICATION RETAKE TEST, 0 CREDIT**

Welder certification on retest in any position, in accordance with AWS D1.1 for students enrolled in any CCC welding course. Required: Student Petition.

oc	<b>XWLD-0003- 340732 TBA 01</b> B. MULLIGAN		\$0.00	\$0.00	\$25.00	\$25.00
Required: Student Petition.						

**World Languages**

**SPN-101 FIRST-YEAR SPANISH I, 4 CREDITS**

First of a three-term foundational, multimedia course for beginners. Initial emphasis is on speaking and listening comprehension, with secondary emphasis on reading and writing. Various cultural themes are presented.

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

ONL NCT	<b>SPN-101-01 340622</b> V. SHORT		\$504.00	\$52.00	\$10.00	\$566.00
Meets online: 6/23-7/10.						

**SPN-102 FIRST-YEAR SPANISH II, 4 CREDITS**

Second of a three-term foundational, multimedia course for beginners. Initial emphasis is on speaking and listening comprehension, with secondary emphasis on reading and writing. Various cultural themes are presented.

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
Instructor	Tuition	Fee	Crs. Fee			

**Prerequisites:** SPN-101

**Recommended Prerequisites:** WRD-098 or placement in WR-121Z

ONL NCT	<b>SPN-102-01 340624</b> V. SHORT		\$504.00	\$52.00	\$10.00	\$566.00
Meets online: 7/14-7/31.						

**SPN-103 FIRST-YEAR SPANISH III, 4 CREDITS**

Third of a three-term foundational, multimedia course for beginners. Initial emphasis is on speaking and listening comprehension, with secondary emphasis on reading and writing. Various cultural themes are presented.

**Prerequisites:** SPN-102

ONL NCT	<b>SPN-103-01 340625</b> V. SHORT		\$504.00	\$52.00	\$10.00	\$566.00
Meets online: 8/4-8/21.						

**Writing**

**WR-101 WORKPLACE WRITING, 4 CREDITS**

Students in this course learn and practice basic modes of technical writing, including summaries, process analysis, instructions, and reports.

**Prerequisites:** WRD-098 or placement in WR-101 or WR-121Z

ONL LCT	<b>WR-101-01 340632</b> C. ZIMMERLY-BECK		\$504.00	\$52.00	\$19.00	\$575.00
Meets: 6/23-8/14.						

**WR-121Z COMPOSITION I, 4 CREDITS**

WR-121Z engages students in the study and practice of critical thinking, reading, and writing. The course focuses on analyzing and composing across varied rhetorical situations and in multiple genres. Students will apply key rhetorical concepts flexibly and collaboratively throughout their writing and inquiry processes.

**Prerequisites:** WRD-098 or placement in WR-121Z

OC LCT	<b>WR-121Z-01 340637 MW</b> J. BEREZHNOY		\$504.00	\$52.00	\$19.00	\$575.00
Meets: 6/23-8/14.						
OC LCT	<b>WR-121Z-02 340642 TTH</b> W. DAWKINS		\$504.00	\$52.00	\$19.00	\$575.00
Meets: 6/23-8/14.						
OC HYB LCT	<b>WR-121Z-03 340644 M</b> S. WARREN		\$504.00	\$52.00	\$19.00	\$575.00
Meets: 6/23-8/14.						
ONL LCT	<b>WR-121Z-04 340647</b> S. PESZNECKER		\$504.00	\$52.00	\$19.00	\$575.00
Meets: 6/23-8/14.						
ONL LCT	<b>WR-121Z-05 340648</b> S. NIZIOLEK		\$504.00	\$52.00	\$19.00	\$575.00
Meets: 6/23-8/14.						
HAR HYB LCT	<b>WR-121Z-15 340653 T</b> S. NIZIOLEK		\$504.00	\$52.00	\$19.00	\$575.00
Meets: 6/23-8/14.						

**WR-122Z COMPOSITION II, 4 CREDITS**

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- VAR:** Variable credit class

**ESPAÑOL:** Enseñado en español

- LCT:** Low-Cost Text
- NCT:** No-Cost Text

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total	Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total						
	Instructor	Tuition	Fee		Crs. Fee			Instructor	Tuition	Fee		Crs. Fee							
<p>WR-122Z builds on concepts and processes emphasized in WR-121Z, engaging with inquiry, research, and argumentation in support of students' development as writers. The course focuses on composing and revising in research-based genres through the intentional use of rhetorical strategies. Students will find, evaluate, and interpret complex material, including lived experience; use this to frame and pursue their own research questions; and integrate material purposefully into their own compositions.</p> <p><b>Prerequisites:</b> WR-121Z with a C or better</p>							ONL LCT	<b>WR-227Z-02</b> 340682	L. ORMANDY	\$504.00	\$52.00	\$19.00	\$575.00	<p>Meets: 6/23-8/14.</p>					
<p><b>WR-122Z-01 340655 MW 10-12:35 PM</b> S. WARREN \$504.00 \$52.00 \$19.00 \$575.00 Meets: 6/23-8/14.</p>							OC LCT	<b>WRD-090-01</b> 340685 TTH	J. PONS	\$504.00	\$52.00	\$19.00	\$575.00	<p><b>WRD-090 INTRODUCTORY COLLEGE READING &amp; WRITING 1, 4 CREDITS</b> Students discuss a variety of short, pre-college-level readings, and learn a process for developing their own paragraphs and very short essays (up to two pages). Other topics include becoming an independent reader, summarizing, and writing academically. <b>Prerequisites:</b> Placement in WRD-090</p>					
<p><b>WR-122Z-02 340661 T 1-3:35 PM</b> W. DAWKINS \$504.00 \$52.00 \$19.00 \$575.00 Meets: 6/23-8/14.</p>							ONL LCT	<b>WRD-098-01</b> 340691 TTH	J. PONS	\$504.00	\$52.00	\$19.00	\$575.00	<p><b>WRD-098 INTRODUCTORY COLLEGE READING &amp; WRITING 2, 4 CREDITS</b> Preparation for writing in college-level courses. Students discuss a variety of early-college-level readings, and develop and refine their own essays (up to three pages) through a process of revision and multiple drafts. Other topics include becoming a confident reader, finding and using information, and giving credit to sources through informal citations. <b>Prerequisites:</b> WRD-090 or placement in WRD-098</p>					
<p><b>WR-122Z-03 340662</b> R. MURPHY \$504.00 \$52.00 \$19.00 \$575.00 Meets: 6/23-8/14.</p>							ONL LCT	<b>WRD-098-02</b> 340694	TBA	\$504.00	\$52.00	\$19.00	\$575.00	<p>Meets: 6/23-8/14.</p>					
<p><b>WR-122Z-04 340664</b> R. MURPHY \$504.00 \$52.00 \$19.00 \$575.00 Meets: 6/23-8/14.</p>							HAR HYB LCT	<b>WR-122Z-15</b> 340673 T	M. SCHUMACHER	\$504.00	\$52.00	\$19.00	\$575.00	<p><b>WR-128 INTRODUCTION TO APA STYLE &amp; DOCUMENTATION, 1 CREDIT</b> Introduces American Psychological Association (APA) style and documentation, including document format, in-text citation, and References page. Includes style and documentation for narrative and academic papers. Students will work with provided sources. Recommended for pre-nursing and nursing students, allied health students, and STEM and social science students. <b>Prerequisites:</b> WR-121Z with a C or better</p>					
<p><b>WR-122Z-15 340673 T 6-8:35 PM</b> M. SCHUMACHER \$504.00 \$52.00 \$19.00 \$575.00 Meets: 6/23-8/14.</p>							ONL LCT	<b>WR-128-01</b> 340677	S. PESZNECKER	\$0.00	\$0.00	\$19.00	\$19.00	<p>Meets: 6/23-8/14.</p>					
<p><b>WR-140 INTRODUCTION TO WRITING CREATIVELY, 4 CREDITS</b> Guides students through the discussion and practice of writing creatively in many genres and formats, primarily poetry, fiction, drama, and creative non-fiction in a workshop format. May also include screenwriting, digital story telling, film, and performance genres. <b>Recommended Prerequisites:</b> WRD-098 or placement in WR-121Z</p>							ONL LCT	<b>WR-140-01</b> 340678	T. DONNELLY	\$504.00	\$52.00	\$19.00	\$575.00	<p>Meets: 6/23-7/18.</p>					
<p><b>WR-227Z TECHNICAL WRITING, 4 CREDITS</b> WR-227Z introduces students to producing instructive, informative, and persuasive technical/professional documents aimed at well-defined and achievable outcomes. The course focuses on presenting information using rhetorically appropriate style, design, vocabulary, structure, and visuals. Students can expect to gather, read, and analyze information and to learn a variety of strategies for producing accessible, usable, reader-centered deliverable documents that are clear, concise, and ethical. <b>Prerequisites:</b> WR-121Z with a C or better</p>							OC HYB LCT	<b>WR-227Z-01</b> 340680 M	L. ORMANDY	\$504.00	\$52.00	\$19.00	\$575.00	<p>Meets: 6/23-8/14.</p>					

**Campus Locations:**  
**HAR:** Harmony Community Campus  
**OC:** Oregon City Campus  
**WILS:** Wilsonville Training Center  
**OFF:** Other Off-Campus Location

**Distance Education Notification:**  
**ONL:** Online Only  
**REM:** Remote (w/ scheduled meetings)  
**HYB:** In-person plus online work

**Other Coding Translations:**  
**TBA:** To be arranged: contact department first class  
**VAR:** Variable credit class

**ESPAÑOL:** Enseñado en español  
**LCT:** Low-Cost Text  
**NCT:** No-Cost Text

# COMMUNITY EDUCATION

Please register directly through the Community Education partner hosting the class you would like to attend.

## Strength and relaxation yoga in the park

Breathe in the fresh air and move your body with our new strength and relaxation yoga in the park classes! Offered through our community partner the Milwaukie Center, part of the North Clackamas Parks & Recreation District, these sessions blend gentle strength-building with deep relaxation — perfect for all levels.

Choose the time and location that works best for you, and enjoy a refreshing yoga session in a beautiful outdoor setting. Join us and feel the difference!

### Locations and schedule

- Risley Park – Thursdays, June 26–Sept. 18, 11 a.m.–noon (No class on Aug. 28)
- North Clackamas Park – Tuesdays, June 24–Sept. 18, 6:45–7:45 p.m.  
*For more info or to register, visit [ncprd.com](http://ncprd.com)*



### Senior Discount

Seniors 62 years of age or older qualify for discounted tuition for many Community Education classes. Proof of age is required.



### MILWAUKIE

**Milwaukie Community Center**  
503-794-8092 | [www.ncprd.com](http://www.ncprd.com)

**North Clackamas Parks and Recreation**  
503-794-8080, ext. 0 | [www.ncprd.com](http://www.ncprd.com)

### OREGON CITY

**Oregon City Community Education**  
503-785-8520 | <https://ocsd62occe.org>

**Oregon City Swimming Pool**  
503-657-8273 | [www.ocity.org/904/Aquatics](http://www.ocity.org/904/Aquatics)

**Pioneer Community Center**  
503-657-8287 | [www.ocity.org/499/Pioneer-Community-Center](http://www.ocity.org/499/Pioneer-Community-Center)

### TEAM OREGON

**Motorcycle/Scooter Safety Training**  
800-545-9944 | [www.team-oregon.org](http://www.team-oregon.org)

### CANBY

**Bridging Cultures**  
503-592-3781 | [www.bridgingculturescanby.org](http://www.bridgingculturescanby.org)

### GLADSTONE

**Gladstone Community School**  
503-650-2570 | [www.clackamas.edu/gladstone](http://www.clackamas.edu/gladstone)

### WEST LINN

**West Linn Parks and Recreation**  
503-557-4700 | [www.westlinnoregon.gov/parksrec](http://www.westlinnoregon.gov/parksrec)

### WILSONVILLE

**City of Wilsonville Parks and Recreation**  
503-783-PLAY | [www.wilsonvilleparksandrec.com/parksrec](http://www.wilsonvilleparksandrec.com/parksrec)  
**West Linn/Wilsonville Family Empowerment Center**  
503-673-7690 | [www.wlww.k12.or.us/domain/3726](http://www.wlww.k12.or.us/domain/3726)