

Schedule



Summer 2024

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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

CLASS START/END DATES + FINANCIAL DEADLINES *	SUMMER TERM 2024	FALL TERM 2024	WINTER TERM 2025
Financial aid: All required CCC financial aid documentation due to ensure funding for term	April 1	June 24	September 30
Registration begins	May 13	May 20	November 12
Classes begin	June 24	September 30	January 6
Last day to add classes without instructor consent	Instructor consent required when classes begin		
Last day to drop a class with a refund (see p. 4 for more info)	July 7	October 13	January 19
Last day to drop classes and receive a "W" automatically	August 16	November 22	February 28
Last day to submit petition for graduation	August 2	November 8	February 14
Last day to change grading option	August 30	December 6	March 14
Account balance due: \$100 non-payment fee applied if not paid	August 5	November 8	February 14
Final week	See class syllabus	December 9-13	March 17-21
Last day of term	September 7	December 14	March 22
Commencement: GED & Adult High School Diploma	June 13, 2025		
Commencement: College Certificate & Degree	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

SUMMER TERM: June 19 Juneteenth July 4 Independence Day, September 2 Labor Day
FALL TERM: Nov. 11 Veterans Day, Nov. 28-29 Thanksgiving, Dec. 24-25 Winter Holiday
WINTER TERM: Jan. 1 New Years Day, Jan. 20 MLK Jr. Day, Feb. 17 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.



New Students

If you are a new student with no previous CCC credits, follow these 6 steps to get started. For more information visit www.clackamas.edu/gettingstarted.

1 APPLY TO CCC. Visit www.clackamas.edu/apply. Once you receive your welcome email, log in to Navigate to review your to-do list, which will walk you through your next steps. *TIP: Log in to your myClackamas account frequently—it is CCC's primary means of communicating with students!

2 APPLY FOR FINANCIAL AID AND SCHOLARSHIPS (IF APPLICABLE). U.S. Citizens and permanent residents: Apply at www.fafsa.gov. Undocumented Oregon residents: Complete the ORSAA at www.oregonstudentaid.gov. The ORSAA is for undocumented Oregon students, including students who have DACA (Deferred Action for Childhood Arrivals) status. Apply for CCC Foundation Scholarships at www.clackamas.edu/scholarships.

3 SUBMIT PREVIOUS COLLEGE TRANSCRIPTS (IF APPLICABLE). CCC Degree/Certificate Seeking: If you are transferring to CCC from a regionally-accredited U.S. institution, or if you have AP, CLEP, IB or DSST scores, submit your official transcripts to Graduation Services. Non-Degree/ Certificate Seeking: If a course requisite waiver is needed, submit unofficial transcripts to Advising & Career Services. Visit www.clackamas.edu/transferring-to-ccc for details.

4 DETERMINE PLACEMENT. Math and writing placements must be completed prior to registration. Visit www.clackamas.edu/pass for steps to complete your placement assessment.

5 COMPLETE NEW STUDENT ORIENTATION. Available online via your myClackamas account, your orientation will familiarize you with CCC's resources, degree and certificate programs, student life, and more. Orientation must be completed before registering for classes.

6 REGISTER FOR CLASSES. For help choosing and registering for your classes, visit our [Advising page](#) to schedule an appointment.



MORE QUESTIONS? Our Admissions Center is here to help you get started at CCC. Call: 503-594-3284. Email: welcome@clackamas.edu



Returning Students

Returning CCC student? Start here.

If you have taken classes or workshops at CCC within the last two years there's no need to reapply for admission! You're ready to register for classes online through myClackamas.

1 NOTIFY ENROLLMENT SERVICES if you've changed your major/program of study, address or phone number by emailing registration@clackamas.edu or visiting the Enrollment Services Center at any of our three campuses.

2 CLEAR OUTSTANDING DEBT or prior term balances at any CCC Enrollment Services Center.

3 REVIEW YOUR EDUCATION PLAN with an academic advisor.

4 REGISTER FOR CLASSES online through myClackamas — <http://my.clackamas.edu>. You can also register by mail, fax or in person at any of our three campuses. Registration forms are available at www.clackamas.edu/forms.

5 PAY YOUR TUITION AND FEES online or in person. Tuition rates, payment and important dates can be found on the following page.

How much will I owe? Tuition and Fees

Tuition and fee rates are subject to change without prior notice.



TUITION TYPE	RATE	COMMENT
In-state	\$126 per credit	Applies to U.S. citizens or immigrants with a residency status (90 days at that address prior to the start of the term) in Oregon, Idaho, California, Nevada and Washington.
Out-of-state	\$305 per credit	Applies to international students and students residing in states which do not border Oregon.
FEE TYPE	RATE	COMMENT
General Student and Technology Fee	\$13 per credit	Supports many CCC student activities including athletics, child care, instructional technology and student government.
College Services Fee	\$30 per term (non-refundable)	Non-refundable. Applies to credit courses only. The College Services Fee covers the cost of various services including graduation, parking, shuttle, testing and transcripts.
Non-Payment Fee	\$100	Applied after the sixth week of the term if a balance is owed to the college.
Non-Refundable Third-Party Billing Fee	\$15	Assessed on any student account where CCC is billing an outside business/organization for tuition and charges.
Returned Bank Item	\$25 each item	Fee for checks returned for nonsufficient funds.
Course Fees	Varies	Certain classes have special fees in addition to tuition and the general fee. These are listed in the "Course Fee" column in the credit course listing in the Schedule of Classes.

Credit for prior learning

TYPE	RATE
Challenge Exam	\$50 flat fee plus \$25 per credit
Portfolio	\$50 flat fee plus ½ of the current tuition per credit
Other (Non-Portfolio, Non-Challenge Exam)	\$50 flat fee plus ½ of the current tuition per credit

How do I pay?

Pay Now: Payment is due at the time of registration. You can pay in person with cash or a local, bank-imprinted check, for the amount due. You can make credit card payments in person or online using Visa, MasterCard, Discover or American Express.

Deferred Payment: Account balances must be paid by Aug. 5 or you will be charged a non-payment fee of \$100 and a hold will be put on your account that will prevent future registration.

How do I get a refund?

CCC provides full refunds if you drop your classes on time. We do not provide partial refunds. To receive a full refund YOU must drop your classes:

- During the first two weeks of the class for classes meeting five weeks or more
- During the first week of the class for classes meeting three-four weeks
- Before the class begins for classes meeting two weeks or less



Want your refund deposited directly into your bank account? Click on Payment Information in myClackamas then myProfile. Enter your bank account information. This includes financial aid and emergency loan checks. To view the complete refund policy, please go to www.clackamas.edu.

Financial Aid: How do I apply?

1. Apply to CCC.
2. Complete your FAFSA or ORSAA application:
 - U.S. Citizens and permanent residents: Apply at www.fafsa.gov.
 - Undocumented Oregon residents: Complete the ORSAA at www.oregonstudentaid.gov/fafsa-orsaa. The ORSAA is for undocumented Oregon students, including students who have DACA (Deferred Action for Childhood Arrivals) status.
3. Check your email and Self-Service in myClackamas.

Financial Aid questions?

Email us at finaid@clackamas.edu



FA Resource Lab Virtual Drop In Hours (Zoom)

MW 11 a.m.-2 p.m. or by appointment

Money, registration and myClackamas – WHAT YOU NEED TO KNOW!

College Services Fee

A non-refundable \$30 per term fee will be applied to students taking credit courses. The College Services Fee covers the cost of various services including graduation, parking, shuttle, testing and transcripts. The fee is applied at the time of registration for students registering for one or more credits.

Refunds

If you stop going to class and you don't officially drop the classes from your schedule, you will be held academically and financially responsible.

See p.7 for important information about Financial Aid and refund deadlines.

myClackamas

myClackamas is your portal to all things CCC. This secure site allows you to check your CCC assigned email, register and pay for classes, access financial aid documents and more.

After you are admitted to CCC, an email with your new CCC student email address and instructions for logging into myClackamas will be sent to the secondary email account (gmail, yahoo, etc.) you provided on your admission application.

If you applied for admission and:

- Don't know your CCC email address, go to myClackamas (<https://my.clackamas.edu>) and choose "Forgot your email address?"
- Don't know your password, go to myClackamas (<https://my.clackamas.edu>) and choose "Forgot Password?" Follow the directions provided.
- Still need help with this process, go to myClackamas (<https://my.clackamas.edu>) and click the help button or call 503-594-6074.

If you are a current CCC student and:

- Don't have a CCC email address:
 - Contact Enrollment Services at registration@clackamas.edu and provide a secondary email account (gmail, yahoo, etc.). An email with instructions for logging into myClackamas will be sent to that account.
- Are experiencing problems logging into your myClackamas account:
 - Contact Enrollment Services at 503-594-6074.

NOTE: Your CCC email account is the primary method of communication between you and the college. Be sure to check your email at least twice a week through myClackamas.

Registration

Registration is based on the number of completed credits at CCC (credits completed at other colleges are not counted for registration purposes). Courses in progress during the current term do not count toward this total. Registration is done online (myClackamas), in person or by mail/fax. Please visit <https://www.clackamas.edu/admissions-financial-aid/getting-started> to make sure you have completed the getting started steps to be able to register.

Registration times:

CREDITS	DATE	TIME
Veterans	Monday, May 13, 2024	Noon
80+	Tuesday, May 14, 2024	8 a.m.
60-79	Tuesday, May 14, 2024	Noon
40-59	Wednesday, May 15, 2024	8 a.m.
30-39	Wednesday, May 15, 2024	Noon
20-29	Thursday, May 16, 2024	8 a.m.
6-19	Thursday, May 16, 2024	Noon
1-5	Friday, May 17, 2024	8 a.m.
Open Registration	Friday, May 17, 2024	Noon

Note: If you miss your registration window, you are able to register any time after that.

2024-25 CHANGES:

- **In-state tuition:** Increased by \$5 resulting in a \$126 per credit rate
- **Out-of-state tuition:** Increased by \$12 resulting in a \$305 per credit rate

Don't forget!

- Visit www.clackamas.edu/im_registered_whats_next.aspx for your next steps after registration!
- Get your **student ID card** at any of our three campuses.
- **Veterans and Military Dependents:** Visit www.clackamas.edu/Veterans for VA educational benefits information.
- Information about **dates, policies and academic regulations** is available at www.clackamas.edu or the Enrollment Services Center at any of our three campuses.

REGISTRATION AND IMPORTANT INFORMATION

Academic Calendar – Clackamas Community College operates on the quarter system. Each of our terms are eleven weeks in length with many courses being offered in a condensed and/or standard term format. Be sure to check the *Schedule of Classes* for individual class meeting times.

Corequisite – A corequisite is a second, related course in which a student must be simultaneously enrolled in addition to the primary course.

Course Prerequisites – Some CCC courses have prerequisite requirements. You will be required to meet these prior to enrolling.

Grades – Grade options generally include A, B, C, D, F, P/N (Pass, No Pass) or X (Audit). Be sure to select the grade option you want at the time of registration by selecting: Register Pass/Fail for P/N or Audit for all classes you wish to audit.

Registration and Transcript Holds – Students who have not met their financial obligations to the college may have restrictions placed on their ability to register for future terms and/or have official transcripts released.

Ordering Transcripts – Official transcripts (record of your classes, grades earned and degrees awarded) are available upon request. Unofficial transcripts are available via myClackamas. Order transcripts online via www.parchment.com. For more information, call our transcript request line at 503-594-6074.

Student Rights & Responsibilities – When you enroll at Clackamas Community College you assume certain rights and responsibilities as a student that relate to your educational record, academic performance and individual conduct. These are stated in the Student Handbook—www.clackamas.edu/student-rights.

Student Photo ID Cards – Cards are available at the Enrollment Services Center and are necessary for library checkout, access to computer/tutorial labs and admission to college events. Picture ID and current enrollment are required. There is a \$10 replacement fee for stolen or lost ID cards.



Cougar Alert!

GRADUATION

Apply to Graduate

In order to be evaluated for a certificate or degree from CCC, students must fill out a “Graduation Application” and submit it to Graduation Services at the Oregon City campus.

Please refer to graduation information via the web for filing deadlines. Questions regarding this process may be directed to 503-594-6651 or gradservices@clackamas.edu.

Graduation Ceremonies

The GED/Adult High School Diploma graduation ceremony will take place Friday, June 14, 2024, and the certificate and degree graduation ceremony will be held Friday evening, June 14, 2024.

Information for both ceremonies will be available at www.clackamas.edu/graduation in early spring. For questions related to the ceremony, contact GradCeremony@clackamas.edu.

SI USTED HABLA ESPAÑOL

Información en español

Visite el sitio de web www.clackamas.edu/espanol para más información.

¡Bienvenido a Clackamas Community College! Clackamas ofrece una gran variedad de oportunidades para todos. Ofrecemos más de 90 programas de carreras técnicas, programas para estudiantes internacionales, clases de inglés, y oportunidades para recibir su certificado de preparatoria GED.

En Clackamas Community College, creemos que todos tienen derecho a desarrollar todo su potencial. Les damos la bienvenida a todos, sin importar quiénes sean o de dónde son. Sus contribuciones son las que hacen de Clackamas un colegio comunitario. Estamos contentos de que esta aquí.

Clases de ESOL (Inglés para hablantes de otras lenguas)

- Las clases de ESOL son para todos que desean mejorar sus habilidades de inglés
- Ofrecemos clases de todos niveles
- Los precios varían entre \$30 y \$70 por clase por un trimestre
- Estudiantes deben tener al menos 16 años de edad

Para más información y para registrarse, comuníquese con la oficina de ESOL al 503-594-3234

GED en español

Instrucción del desarrollo de habilidades básicas (GED) ofrecida en español. Se aplica un examen de diagnóstico para determinar las necesidades académicas del alumno.

Inscripciones abiertas todo el tiempo, se ofrece en el colegio principal, Harmony Center y Canby.

Para más información y para registrarse para la clase, llame a Camilo Sanchez al 503-594-3029

Ayuda Financiera

Ayuda financiera está disponible para ayudarle alcanzar sus metas educativas. La Oficina de Ayuda Financiera y Becas de CCC brinda acceso a becas, trabajo-estudiantil y préstamos para ayudarle cubrir los costos de la escuela.

Para más información, llame al 503-594-6082

Servicios de Workforce

WorkSource Clackamas ofrece servicios gratuitos que pueden ayudar con:

- Actualizar tus habilidades
- Mejorar tus técnicas en la búsqueda de empleo
- Acceso a empleos en alta demanda y crecimiento

Para más información, llame al 503-594-6246

Para tomar clases de crédito

Si quiere tomar clases para recibir crédito, un consejero de admisiones le podrá ayudar en tomar los pasos adecuados y necesarios para registrarse en Clackamas Community College.

¡Nuestro Centro de Admisiones está aquí para ayudarle a comenzar! Llame al 503-594-3284

VETERANS SERVICES

Veterans Education and Training Center

CCC Oregon City campus, Community Center Room 100
503-594-3438

vetinfo@clackamas.edu

www.clackamas.edu/veterans

The Veteran Education and Training Center is a service of Clackamas Community College dedicated in gratitude to providing hospitality, advocacy, and the highest quality of service to all Veterans. The VET Center's staff goal is to support every Veteran's transition from warrior to student to graduate and finally to working professional. The VET Center will ensure every individual Veteran's unique needs are met. Clackamas Community College recognizes and honors the Military Veterans of our community and their families. Please allow us the honor and privilege to serve you!

The college provides a wide range of services for Veterans which include:

- Information about benefits
- Education and career information
- Assistance with getting started and being successful
- Referrals to additional resources
- Assistance with necessary paperwork
- VA enrollment and progress certification
- Student Veterans Club
- Veterans Events
- Transition Assistance Workshops
- Veterans Book Share
- Veterans Text Book Grants
- Military Families Scholarship Endowment
- VA Work study

The regulations and requirements associated with providing and receiving the variety of veteran benefits are numerous and complex. We can help you understand your benefits and the process of accessing them. Please come see us soon and often to be informed and ensure you remain in compliance.

WORKFORCE SERVICES

Skill up for jobs of the future! WorkSource Clackamas is preparing Oregonians for jobs in health care, manufacturing, high tech, green technologies and more!



Job Search and Training Help

Are you looking for a job?

Do you need to upgrade your skills to get a better job?

Interested in working and learning on the job?

WorkSource Clackamas has no-cost career advancement services which can:

- Help you update your skills
- Sharpen your job search expertise
- Access jobs in high-growth careers

Take the next step! Contact our Career Specialists to learn more about our incredible career workshops and services. Contact us at 503-594-6246 or visit www.clackamasworkforce.org.

These programs are funded in whole or in part through the U.S. Department of Labor and the State of Oregon through Clackamas Workforce Partnership.

Consult the experts!

**NO-COST CAREER WORKSHOPS
AT WORKSOURCE CLACKAMAS**

506 High Street, Oregon City 97045

Our Career Specialists are experts in job search strategies. Join a workshop to practice innovative techniques to find employers, develop a resume, improve networking, interview better and improve your job search.

Visit www.clackamasworkforce.org or call to learn more about the NO COST workshops. Call 971-673-6400. Reservations required.

Building skills and growing businesses!

Sponsored by the Clackamas Workforce Partnership
www.clackamasworkforce.org.

WorkSource Oregon is an equal opportunity employer/program.

WorkSource Oregon es un programa/empleador que respeta la igualdad de oportunidades.

ONLINE LEARNING

In many ways, learning online is similar to learning in a classroom. Your instructor will provide quality readings, exercises, assignments, and quizzes. And just like an in-person class, what you get out of it is a direct result of how much you put into it. So... expect to spend the same amount of time and energy on an online class as you would in an in-person course.

Clackamas Community College (CCC) uses Moodle for its online course delivery. So... you'll see a Moodle 101 orientation course under My Courses in the **red** bar when you log in. This self-guided orientation will prepare you for online learning and make sure you have the skills and resources you'll need to succeed in your online course. It also includes student essentials, like tips for successful time management and home workspaces.

New to Online Learning?

The Online Learning & Educational Technology (OLET) Team has collected the following resources on our website (online.clackamas.edu) to assist you:

- CCC [Schedule of Classes](#)
- [Are you prepared to take an online class?](#) Q&A
- [Recommended technology and software](#)
- [Assistive technology](#)

Get Started in Online Learning

Before you begin, we recommend that you visit online.clackamas.edu to review the answers to these questions:

- [How do I find my course?](#)
- [How can I learn more about Moodle, access my classes, and be prepared for online learning?](#)
- [Where do I find Moodle Help?](#)
- [How do I participate synchronously via a Zoom meeting in my course?](#)

Still need help?

During regular business hours, visit the [Cougar Connect Tech Help Desk](#), call 503-594-6632, or email cougarconnect@clackamas.edu.

For after hours, weekend, or bilingual support (English/ Español), visit online.clackamas.edu (see Academic Support and Essentials > Moodle Help > Extended Support).

ONLINE COURSES

Online (ONL) courses do not have specific days or times for participation but some instructors **may schedule optional virtual meetings** and office hours. These courses have been intentionally developed to meet online course design standards. Online courses are identified in the *Schedule of Classes* by the term ONLINE and also by the icon **ONL**.

REMOTE COURSES

Remote (REM) courses are held online at **specific days and times** and require students to use online tools, such as Zoom, in order to participate. Check the *Schedule of Classes* for the specific meeting days and times. Remote courses are identified in the schedule by the term REMOTE and also by the icon **REM**.

HYBRID COURSES

Hybrid (HYB) courses are completed both in-person and online. For example, students might attend a weekly lecture on-campus, and then take part in a class discussion online. The amount of time spent on-campus varies between courses. Check the *Schedule of Classes* for specific meeting days and times, as well as campus location information. Hybrid courses are identified in the schedule by the term HYBRID and also the icon **HYB**.

ALL COURSES

Additionally, you'll want to check the *Schedule of Classes* (or with your instructor) about required software, special course materials, course requirements, or prerequisites.



CLACKAMAS IN YOUR COMMUNITY

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

Along with the Oregon City campus, Clackamas Community College has two additional campuses to serve the needs of students in other parts of the district. The college's Harmony campus is a full service campus in the North Clackamas area (near Clackamas Town Center). The Wilsonville campus is full service as well, and is easily accessible from I-5. In addition, there are many CCC courses available in other communities throughout the district.

CCC at Harmony Community Campus

7738 SE Harmony Road, Milwaukie, OR 97222

HARMONY COMMUNITY CAMPUS HOURS

Hours are subject to change. Please call 503-594-0620 or check www.clackamas.edu/hours for updated information.

Campus is closed June 19, July 4, Sept. 2.

Building Hours

June 17-21	M-Th	7 a.m.-8 p.m.
	F	7 a.m.-5 p.m.
June 24-Aug. 29	M-Th	7 a.m.-10 p.m.

Student Services

June 17-21	M-Th	8:30 a.m.-5 p.m.
June 24-26	M-W	9 a.m.-6:30 p.m.
June 27	Th	9 a.m.-6 p.m.
July 1-Aug. 29	M-Th	9 a.m.-6 p.m.

Advising

June 17-21	T-Th	10 a.m.-4:30 p.m.
June 24-26	M-W	10 a.m.-6 p.m.
June 27-Aug. 31	T-Th	10 a.m.-4:30 p.m. Drop-In

Monday advising provided remotely by phone appointment

Testing & Assessment

June 19-Sept. 7	TBD
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ITS

June 17-Aug. 29	M-W	9 a.m.-1 p.m.
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Tutoring Services

See posted hours on web, www.clackamas.edu/tutoring

CCC Wilsonville Campus

29353 SW Town Center Loop East, Wilsonville, OR 97070

WILSONVILLE HOURS

Hours are subject to change. Please call 503-594-0940 or check www.clackamas.edu/hours for updated information.

Campus is closed June 19, July 4, Sept. 2.

Building Hours

June 19-Sept. 7	M-Th	7 a.m.-6:30 p.m.
	Closed Fridays	

Student Services

By appointment only. Please call 503-594-0940 or email wilsonvilleinfo@clackamas.edu

June 19-Sept. 7	M-Th	7 a.m.-6:30 p.m.
	Closed Fridays	

Advising Center

Advising by appointment. Please call 503-594-0959 or e-mail apprenticeship.advising@clackamas.edu

June 19-Sept. 7	M-Th	10 a.m.-7 p.m.
	F	8 a.m.-5 p.m. Remote Services

Testing & Assessment Center

Testing by appointment. Please call 503-594-0940 or e-mail testing.wilsonville@clackamas.edu

June 19-Sept. 7	M-Th	8 a.m.-5 p.m.
	Closed Fridays	

Where to find food

Vending Machines, located in the HE lobby & on HW 2nd floor, are stocked with hot & cold drinks, snacks and a rotating assortment of breakfast items, sandwiches, burritos, hummus & veggie trays in the chilled cooler. There are microwaves available for student use in HE on the 1st & 2nd floors.



Cougar Alert!

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

CLACKAMAS IN YOUR COMMUNITY

Credit and non-credit courses offered at Clackamas Community College sites near you Summer 2024

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
CJA-137	MASS MURDER AND SERIAL KILLERS	3 CREDITS
CJA-280	CRIMINAL JUSTICE/CORRECTIONS/CWE	2-6 CREDITS (VAR)
CJA-281	CRIMINAL JUSTICE/CORRECTIONS/CWE	2-6 CREDITS (VAR)

Emergency Medical Technology

EMT-105	INTRODUCTION TO EMERGENCY MEDICAL SERVICES	3 CREDITS
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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-031	INTERMEDIATE GRAMMAR B	0 CREDIT
ESOL-033	INTERMEDIATE CONVERSATION 2	0 CREDIT
ESOL-043	UPPER INTERMEDIATE CONVERSATION 2	0 CREDIT
ESOL-051	ADVANCED GRAMMAR B	0 CREDIT
ESOL-053	ADVANCED COMMUNICATION SKILLS 2	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

Phlebotomy

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

Psychology

PSY-101	HUMAN RELATIONS	3 CREDITS
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Small Business Development Center

SBM-011	PROPERTY MANAGEMENT PRE-LICENSE	0 CREDIT
XSBM-0003	GOING INTO BUSINESS	0 CREDIT
XSBM-0011	QUICKBOOKS PRO: PART I	0 CREDIT

Writing

WR-121Z	COMPOSITION I	4 CREDITS
WR-122Z	COMPOSITION II	4 CREDITS
WR-227Z	TECHNICAL WRITING	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	

COURSE LISTING

Credit and non-credit Courses offered Summer 2024

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	ART-100A-01	332893	TTH		1:30 -5:45 PM	
	J. IJIMA	\$126.00	\$13.00	\$125.00	\$264.00	
	Meets: 7/16-7/30. Focuses on Ring Making.					
OC LCT	ART-100A-02	332895	TTH		10-3:15 PM	
	J. IJIMA	\$126.00	\$13.00	\$125.00	\$264.00	
	Meets: 8/20-8/39. Focus: Casting.					

ART-262 DIGITAL PHOTOGRAPHY & PHOTO-IMAGING, 4 CREDITS

Introduces concepts, techniques, practices, aesthetics and ethics of photographic imaging and image-making with digital technology. Students will use imaging software.

Required: Access to a digital camera with adjustable exposure controls

ONL LCT	ART-262-01	332896				
	S. ELIOT	\$504.00	\$52.00	\$80.00	\$636.00	

ART-283 PAINTING: LANDSCAPES/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 landscape 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 LCT	ART-283-01	332899	MTWTH		10-3:50 PM	
	D. ANDERSEN	\$504.00	\$52.00	\$95.00	\$651.00	
	Meets: 6/24-7/11.					

ART-286 PAINTING: LANDSCAPES/INTERMEDIATE, 4 CREDITS

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

Prerequisites: ART-283 or Student Petition

OC LCT	ART-286-01	332902	MTWTH		10-3:50 PM	
	D. ANDERSEN	\$504.00	\$52.00	\$95.00	\$651.00	
	Meets: 6/24-7/11.					

ART-294 INTRODUCTION TO WATER MEDIA, 2 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

Explores the basic techniques and uses of watercolor, gouache, and other water-based media with attention to the unique characteristics of water media. Collage, abstraction and mixed media may be included as well as work with water-soluble pencils and crayons. Lectures on historic uses of these media and discussions as well as experiments with the aesthetic possibilities for layering, transparencies and presentation.

Prerequisites: ART-115 or ART-131 or Student Petition

OC	ART-294-01	337498	MTWTH		10-3:30 PM	
	A. SCHROER	\$252.00	\$26.00	\$125.00	\$403.00	
	Meets: 7/22-8/1.					

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	AB-101-01	332881	S		8-7:50 PM	
	A. DANIEK	\$378.00	\$39.00	\$175.00	\$592.00	
	Meets: 7/6, 7/20, 8/3, 8/17, & 8/31.					

OC LCT	AB-101-02	332883	S		8-7:50 PM	
	P. NESBITT	\$378.00	\$39.00	\$175.00	\$592.00	
	Meets: 6/29, 7/13, 7/27, 8/10, & 8/24.					

AB-105 STREET ROD CONSTRUCTION TECHNIQUES, 3 CREDITS

In this course, students will learn panel forming, welding, basic body work and repair of individual projects. Includes shop safety, chemical hazard safety, proper and safe use of tools, basic metal work and finishing, and paint preparation and application.

OC LCT	AB-105-01	332884	MT		6:30 -9:20 PM	
	F. DAVIS	\$378.00	\$39.00	\$175.00	\$592.00	
	Meets: 6/24-9/3.					

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	AB-280-01	332885				
	M. HOUSE	\$756.00	\$78.00	\$45.00	\$879.00V	
	Meets: 6/24-8/15. 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	AM-106-01	337568	S		8-4:20 PM	
	L. BLAHUTA	\$252.00	\$26.00	\$63.00	\$341.00	
	Meets: 7/6, 7/20, 8/3, 8/17 & 8/31.					

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		

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	AM-118-01	337570 MT	6-9:50 PM			
	T. CARLSON	\$504.00	\$52.00	\$121.00	\$677.00	
	Meets: 6/24-9/3.					

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	AM-280-01	332889				
	J. LEUCK	\$756.00	\$78.00	\$45.00	\$879.00V	
	N. ROBERTS					
	Meets: 6/24-8/15. 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	BI-101-40	332904				
	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	BI-101L-40	332906				
	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	BI-102-40	332908				
	TBA	\$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:
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Lab course for BI-102
Corequisites: BI-102

ONL	BI-102L-40	332909				
	TBA	\$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	BI-103-40	332910				
	TBA	\$504.00	\$52.00	\$55.00	\$611.00	
	Corequisite: Take the following BI-103L-40.					

ONL	BI-103-40	332910				
	TBA	\$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	BI-103L-40	332912				
	TBA	\$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	BI-112-15	332914				
	S. KELSEY	\$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	BI-112L-15	332915 W			9-11:50 AM	
	J. GALLEGOS	\$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	BI-232-01 332916 T B. KOP	\$504.00	\$52.00		2:30 -4:30 PM \$55.00	\$611.00
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BI-232L HUMAN ANATOMY & PHYSIOLOGY II LAB, 0 CREDIT

Lab course for BI-232

Corequisites: BI-232

OC HYB	BI-232L-01 332919 TH J. GALLEGOS	\$0.00	\$0.00		2:30 -5:20 PM \$0.00	\$0.00
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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	BI-233-20 332922 T B. KOP	\$504.00	\$52.00		6:30 -9:20 PM \$55.00	\$611.00
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BI-233L HUMAN ANATOMY & PHYSIOLOGY III LAB, 0 CREDIT

Lab course for BI-233

Corequisites: BI-233

OC HYB	BI-233L-20 332925 TH J. GALLEGOS	\$0.00	\$0.00		6:30 -9:20 PM \$0.00	\$0.00
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Business Administration

BA-101Z INTRODUCTION TO BUSINESS, 4 CREDITS

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.

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

ONL	BA-101Z-01 332859 S. PARKER	\$504.00	\$52.00	\$5.00		\$561.00
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ONL	BA-101Z-02 332860 S. PARKER	\$504.00	\$52.00	\$5.00		\$561.00
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OC HYB	BA-101Z-03 337527 T S. RAHN	\$504.00	\$52.00	\$48.75	2-3:50 PM	\$604.75
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BA-104 BUSINESS MATH, 3 CREDITS

Apply mathematics to a variety of transactions found in the business world, from finance to project management, and from sales to accounting, including: payroll, product or service mark-ups and mark-downs; simple and compound interest; present and future value of a single sum of money and annuities; and financial ratio analysis.

Prerequisites: Placement in MTH-020 or higher

ONL	BA-104-01 332861 J. SAN-CLAIRE	\$378.00	\$39.00	\$86.75		\$503.75
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Campus Locations:

HAR: Harmony Community Campus
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Distance Education Notification:

ONL: Online Only
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HYB: In-person plus online work

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	Instructor	Tuition	Fee		Crs. Fee	

BA-111	GENERAL ACCOUNTING I, 3 CREDITS					
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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	BA-111-01 332862 J. SAN-CLAIRE	\$378.00	\$39.00	\$109.99		\$526.99
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BA-128 PROJECT MANAGEMENT: LEADERSHIP STRATEGIES, 4 CREDITS

This course is an introductory course for students to explore different leadership styles. Through introspective exercises/assignments, students will have opportunities to find their leadership voice. Topics include the comparisons among various leadership versus management paradigms, mediation and negotiation techniques, employee engagement, team building, mentor-ship, tactical planning, creative decision-making, managing crisis conversations, and emotional intelligence.

ONL LCT	BA-128-01 332863 C. CHATTERTON	\$504.00	\$52.00	\$20.00		\$576.00
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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 equipment and software: Personal computer or laptop with MS Windows operating system (preferably Windows 8 or 10), Microsoft Office Professional, 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	BA-131-01 332864 B. FORNEY	\$504.00	\$52.00	\$129.21		\$685.21
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ONL	BA-131-02 332865 B. FORNEY	\$504.00	\$52.00	\$129.21		\$685.21
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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 LCT	BA-208-01 332867 M. MOISO	\$504.00	\$52.00	\$53.61		\$609.61
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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

Other Coding Translations:

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

ESPAÑOL: Enseñado en español

LCT: Low-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	
ONL	BA-211Z-01 332868 T. FRANK Meets: 6/24-9/7. Online textbook included in section fees.	\$504.00	\$52.00		\$62.89	\$618.89	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.						
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						ONL LCT	BA-285-01 332876 J. HERNANDEZ Meets: 6/24-8/15. Online textbook included in section fees.	\$504.00	\$52.00		\$53.61	\$609.61
ONL	BA-213Z-01 332869 J. SAN-CLAIRE Meets: 6/24-8/15. Online textbook included in section fees.	\$504.00	\$52.00		\$98.42	\$654.42	Business Technology						
BA-218	PERSONAL FINANCE, 4 CREDITS Analysis and application of basic principles of personal finance including budgeting and spending, financial decision-making, use of credit, saving and investing, home purchase, taxes, risk management, retirement planning, estate planning, and other major personal finance topics. Prerequisites: BA-104 or MTH-050 or higher, and WRD-098						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	BA-218-01 332871 S. PARKER Meets: 6/24-8/15.	\$504.00	\$52.00		\$0.00	\$556.00	ONL LCT	BT-120-01 332877 S. SIMMONS Meets: 6/24-8/15.	\$252.00	\$26.00		\$10.00	\$288.00
BA-226	BUSINESS LAW I, 4 CREDITS Includes concepts, principles, and rules of law applicable to business and personal transactions, with emphasis on sources of law, the U.S. Constitution, personal and business torts and crimes, case-based applications, ethics, and consumer contract law.						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	BA-226-01 332872 M. MOISO Meets: 6/24-8/15. Online textbook included in section fees.	\$504.00	\$52.00		\$52.06	\$608.06	ONL LCT	BT-121-01 332878 S. SIMMONS Meets: 6/24-8/15.	\$126.00	\$13.00		\$10.00	\$149.00
BA-270	SOCIAL MEDIA MARKETING, 4 CREDITS 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						BT-122	KEYBOARDING SKILLBUILDING, 2 CREDITS 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. Prerequisites: BT-120					
ONL LCT	BA-270-01 332873 C. CHATTERTON Meets: 6/24-8/15.	\$504.00	\$52.00		\$0.00	\$556.00	ONL LCT	BT-122-01 332879 S. SIMMONS Meets: 6/24-8/15.	\$252.00	\$26.00		\$10.00	\$288.00
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						BT-124	BUSINESS EDITING I, 3 CREDITS 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. Recommended Prerequisites: WRD-090 or placement in WRD-098					
ONL LCT	BA-280-01 332874 S. PARKER Required: Student Petition. Corequisite: Take the following CWE-281-06.	\$756.00	\$78.00		\$45.00	\$879.00V	ONL LCT	BT-124-01 332880 S. SIMMONS Meets: 6/24-9/7.	\$378.00	\$39.00		\$10.00	\$427.00
ONL LCT	BA-280-02 332875 B. FORNEY Required: Student Petition. Corequisite: Take the following CWE-281-06.	\$756.00	\$78.00		\$45.00	\$879.00V	Chemistry						
							CH-104	INTRODUCTORY CHEMISTRY, 5 CREDITS					

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	Instructor		Tuition	Fee	Crs. Fee			Instructor		Tuition	Fee	Crs. Fee	
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.							ONL	CH-106-40 332948 G. BURGESS		\$630.00	\$65.00	\$50.00	\$745.00
Corequisites: CH-104L and CH-104S													
Prerequisites: MTH-065 or MTH-098 or placement in MTH-095; and WRD-090 or placement in WRD-098													
CH-104L INTRODUCTORY CHEMISTRY LAB, 0 CREDIT							ONL	CH-104-40 332931 G. BURGESS		\$630.00	\$65.00	\$50.00	\$745.00
Lab course for CH-104													
Corequisites: CH-104 and CH-104S													
CH-104L-40 332938 TBA							oc	CH-104L-40 332938 TBA		\$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.													
CH-104S INTRODUCTORY CHEMISTRY SEMINAR, 0 CREDIT							oc	CH-104S-40 332939 TH 11-11:50 AM		\$0.00	\$0.00	\$0.00	\$0.00
Seminar course for CH-104													
Corequisites: CH-104 and CH-104L													
CH-105 INTRODUCTORY CHEMISTRY, 5 CREDITS							ONL	CH-105-40 332944 G. BURGESS		\$630.00	\$65.00	\$50.00	\$745.00
A lab course discussing heat; molecular and ionic interactions in solids, liquids, gases, and solutions; chemical reactions including acid-base, electron transfer, and equilibrium.													
Prerequisites: CH-104													
Corequisites: CH-105L and CH-105S													
CH-105L INTRODUCTORY CHEMISTRY LAB, 0 CREDIT							oc	CH-105L-40 332946 TBA		\$0.00	\$0.00	\$0.00	\$0.00
Lab course for CH-105													
Corequisites: CH-105 and CH-105S													
CH-105S INTRODUCTORY CHEMISTRY SEMINAR, 0 CREDIT							oc	CH-105S-40 332947 T 11-11:50 AM		\$0.00	\$0.00	\$0.00	\$0.00
Seminar course for CH-105													
Corequisites: CH-105 and CH-105L													
CH-106 INTRODUCTORY CHEMISTRY, 5 CREDITS							ONL	CH-106-40 332948 G. BURGESS		\$630.00	\$65.00	\$50.00	\$745.00
A lab course discussing organic and biochemistry.													
Prerequisites: CH-105													
Corequisites: CH-106L and CH-106S													
CH-106L INTRODUCTORY CHEMISTRY LAB, 0 CREDIT							oc	CH-106L-40 332950 TBA		\$0.00	\$0.00	\$0.00	\$0.00
Lab course for CH-106													
Corequisites: CH-106 and CH-106S													
CH-106S INTRODUCTORY CHEMISTRY SEMINAR, 0 CREDIT							oc	CH-106S-40 332951 T 11-11:50 AM		\$0.00	\$0.00	\$0.00	\$0.00
Seminar course for CH-106													
Corequisites: CH-106 and CH-106L													
CH-112 CHEMISTRY FOR HEALTH SCIENCES, 4 CREDITS							ONL	CH-112-15 332952 S. MCDONALD		\$504.00	\$52.00	\$50.00	\$606.00
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.													
Corequisites: CH-112L													
Prerequisites: MTH-065 or MTH-098 with a C or better or placement in MTH-095													
Prerequisites: WRD-090 or placement in WRD-098													
Recommended Corequisite: BI-112													
CH-112L CHEMISTRY FOR HEALTH SCIENCES LAB, 0 CREDIT							HAR	CH-112L-15 332954 W 1-3:50 PM		\$0.00	\$0.00	\$0.00	\$0.00
Lab course for CH-112													
Corequisites: CH-112													
CH-223 GENERAL CHEMISTRY, 5 CREDITS							ONL	CH-223-01 332955 J. DU BOULAY		\$630.00	\$65.00	\$50.00	\$745.00
A lab course discussing states of matter, solutions, acids and bases, electrochemistry, nuclear chemistry, and spectroscopy. Topics involving organic chemistry and biochemistry are introduced.													
Prerequisites: CH-222 with a C or better													
Corequisites: CH-223L and CH-223S													
CH-223L GENERAL CHEMISTRY LAB, 0 CREDIT							oc	CH-223L-01 332957 TH 10-12:50 PM		\$0.00	\$0.00	\$0.00	\$0.00
Lab course for CH-223													
Corequisites: CH-223 and CH-223S													

Campus Locations:

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Distance Education Notification:

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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

Course No	Course Title, Credits	Section No	Instructor	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Tuition	Fee	Time	Crs. Fee	Total
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CH-223S GENERAL CHEMISTRY SEMINAR, 0 CREDIT
 Seminar course for CH-223
Corequisites: CH-223 and CH-223L

oc	CH-223S-01 332958 TH							9-9:50 AM		
	J. DU BOULAY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00				\$0.00

Corequisite: Take the following CH-223-01, CH-223L-01.

Communication Studies

COMM-100Z INTRODUCTION TO COMMUNICATION, 4 CREDITS
 COMM-100Z is a survey course offering an overview of the communication discipline that emphasizes the development of best communication practices in different contexts.

OC LCT	COMM-100Z- 332815 MW							2-4:45 PM		
	01 L. HANN	\$504.00	\$52.00	\$0.00	\$0.00	\$556.00				

Meets: 6/24-8/24.

COMM-111Z PUBLIC SPEAKING, 4 CREDITS
 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.
Prerequisites: WRD-098 or placement in WR-121Z

REM LCT	COMM-111Z- 332816 MW							9-11:45 AM		
	01 K. HUGHES	\$504.00	\$52.00	\$20.00	\$20.00	\$576.00				

Meets: 6/24-8/15.

OC LCT	COMM-111Z- 332817 TTH							1-3:45 PM		
	02 K. HUGHES	\$504.00	\$52.00	\$20.00	\$20.00	\$576.00				

Meets: 6/24-8/25.

REM LCT	COMM-111Z- 332818 MW							1-3:45 PM		
	03 K. HUGHES	\$504.00	\$52.00	\$20.00	\$20.00	\$576.00				

Meets: 6/24-8/15.

OC	COMM-111Z- 337419 TTH							1-3:45 PM		
	04 K. HUGHES	\$504.00	\$52.00	\$20.00	\$20.00	\$576.00				

Meets: 6/24-8/15.

oc	COMM-111Z- 337420 MW							6-8:45 PM		
	05 L. HANN	\$504.00	\$52.00	\$20.00	\$20.00	\$576.00				

Meets: 6/24-8/21.

HAR LCT	COMM-111Z- 332819 TTH							1-3:45 PM		
	30 J. SMITH	\$504.00	\$52.00	\$20.00	\$20.00	\$576.00				

Meets: 6/24-8/15.

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

OC INTRO COMM BILINGUAL, 4 CREDITS
COMM-199-01 337422 S **1-5:30 PM**
 J. CORTES \$0.00 \$0.00 \$0.00 \$0.00
 Meets: 6/24-8/15. Required: Student Petition. This is a survey course offering an overview of the communication discipline that emphasizes the development of best communication practices in different contexts.

COMM-218Z INTERPERSONAL COMMUNICATION, 4 CREDITS
 COMM-218Z increases the knowledge and use of competent communication skills to better understand oneself, others, and the role of communication in interpersonal relationships.
Recommended Prerequisites: WRD-098 or placement in WR-121Z

HAR LCT	COMM-218Z- 332821 TTH							9-11:45 AM		
	30 M. WILLIAMS	\$504.00	\$52.00	\$0.00	\$0.00	\$556.00				

Meets: 6/24-8/15.

COMM-280 SPEECH/CWE, 2-6 CREDITS
 Cooperative work experience. Provides students with on-the-job experience in the field of communications. Required: Student Petition.
Corequisites: CWE-281

ONL LCT	COMM-280-01 332823									
	K. BRENNAN	\$756.00	\$78.00	\$45.00	\$45.00	\$879.00V				

Meets: 6/24-8/15. Required: Student Petition.

Computer Science

CS-120 SURVEY OF COMPUTING, 4 CREDITS
 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	CS-120-30 332824									
	M. SORRENTINO	\$504.00	\$52.00	\$20.00	\$20.00	\$576.00				

Meets: 6/24-8/15.

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	CS-125H-30 332825									
	M. SORRENTINO	\$504.00	\$52.00	\$20.00	\$20.00	\$576.00				

Meets: 6/24-8/15.

CS-135S MICROSOFT EXCEL, 3 CREDITS
 Focuses on advanced spreadsheet capabilities using a current version of Microsoft Excel. Topics include design, construction, and documentation of spreadsheets, use of templates, multiple worksheets, complex formulas, functions and filtering, Pivot Tables, advanced chart features, sorting, database capabilities, finding data, creating subtotals, using lookup tables, finding trends and forecasting, creating and editing macros, validating data, and working with controls.

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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	

Prerequisites: BA-131 or CS-120 or higher or placement into CS-135S

ONL	CS-135S-30 332826	D. HEINIG	\$378.00	\$39.00	\$20.00	\$437.00
Meets: 6/24-8/15.						

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	CS-160-30 332827	R. ALBERS	\$504.00	\$52.00	\$20.00	\$576.00
Meets: 6/24-9/7.						

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	CS-280-01 332828	J. MILLER	\$756.00	\$78.00	\$45.00	\$879.00V
Required: Student Petition. Restricted to Computer Science students. Corequisite: Take the following CWE-281-05.						

Cooperative Work Experience

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

ONL LCT	CWE-281-03 332781	M. LAFORCE	\$0.00	\$0.00	\$0.00	\$0.00
Restricted to Water & Environmental Technology students only.						
ONL LCT	CWE-281-04 332782	M. LAFORCE	\$0.00	\$0.00	\$0.00	\$0.00
Restricted to Water & Environmental Technology students only.						
ONL LCT	CWE-281-05 332783	J. MILLER	\$0.00	\$0.00	\$0.00	\$0.00
Required: Student Petition. Restricted to Computer Science students only.						

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	Instructor		Tuition	Fee	Crs. Fee	

ONL LCT	CWE-281-06 332784	J. STAPLETON	\$0.00	\$0.00	\$0.00	\$0.00
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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 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	CJA-101-01 332774	W. BABST	\$504.00	\$52.00	\$0.00	\$556.00
Meets: 6/24-8/15.						

CJA-137 MASS MURDER AND SERIAL KILLERS, 3 CREDITS
 Explores the phenomenon of both mass murders and serial killings, and the impact each has both upon society and individual victims. Examines recent and historically notorious cases, while probing issues such as causation, social environmental linkage, and the mindset of offenders. May be repeated for up to 3 credits.

ONL	CJA-137-01 332775	W. BABST	\$378.00	\$39.00	\$0.00	\$417.00
Meets: 6/24-8/15.						
ONL	CJA-137-02 332776	W. BABST	\$378.00	\$39.00	\$0.00	\$417.00
Meets: 6/24-8/15.						

CJA-280 CRIMINAL JUSTICE/CORRECTIONS/CWE, 2-6 CREDITS (VAR)
 Cooperative work experience. Supervised experience in criminal justice, corrections, juvenile corrections, or related occupations. May be repeated for up to 6 credits. Required: Student Petition.

Prerequisites: CJA-170
Corequisites: CWE-281

HAR	CJA-280-01 332777	J. CRAWFORD	\$756.00	\$78.00	\$45.00	\$879.00V
Required: Student Petition. Corequisite: Take the following CWE-281-06.						

CJA-281 CRIMINAL JUSTICE/CORRECTIONS/CWE, 2-6 CREDITS (VAR)
 Cooperative work experience. Supervised experience in criminal justice, corrections, juvenile corrections, or related occupations. May be repeated for up to 6 credits. Required: Student Petition.

Prerequisites: CJA-170 and CJA-280
Corequisites: CWE-281

HAR	CJA-281-01 332778	J. CRAWFORD	\$756.00	\$78.00	\$45.00	\$879.00V
Required: Student Petition. Corequisite: Take the following CWE-281-06.						

Digital Media Communications

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

Other Coding Translations:
TBA: To be arranged: contact department first class
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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			

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

Corequisites: CWE-281

ONL LCT	DMC-280-01	332960				
	T. WASSON	\$756.00	\$78.00	\$45.00	\$879.00V	
	Meets: 6/24-8/15. Required: Student Petition.					

Economics

EC-201 PRINCIPLES OF ECONOMICS: MICRO, 4 CREDITS

Focuses on microeconomic theory dealing with the behavior of individuals and profit-maximizing firms in market structures with varying degrees of competition. Coverage includes price theory, international trade, consumer behavior, the theory of the firm, and the potential role of government in affecting market outcomes.

Prerequisites: MTH-020 or placement in MTH-098

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

OC LCT	EC-201-01	337480 MW		2-4:45 PM		
	D. LOUGEE	\$504.00	\$52.00	\$0.00	\$556.00	
	Meets: 7/1-8/22. Online textbook provided first day of class.					

ONL LCT	EC-201-02	332887				
	D. LOUGEE	\$504.00	\$52.00	\$0.00	\$556.00	
	Meets: 6/24-8/15. Online textbook provided first day of class.					

EC-202 PRINCIPLES OF ECONOMICS: MACRO, 4 CREDITS

Introduction to economic theory, policy, and institutions. Focuses on macroeconomic theory, money, unemployment, inflation, fiscal and monetary policies, international finance, and economic growth.

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

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

ONL LCT	EC-202-01	332888				
	D. LOUGEE	\$504.00	\$52.00	\$0.00	\$556.00	
	Meets: 6/24-8/15. Online textbook provided first day of class.					

Education

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.

REM ESPAÑOL	ECE-154ES-01	332891 TH		6-7:50 PM		
	M. GARCIA AVILEZ	\$504.00	\$52.00	\$0.00	\$556.00	
	La clase se reúne seis Jueves por Zoom (6/27, 7/11, 7/25, 8/8, 8/22, y 9/5 de 6:00PM a 7:50PM).					

ECE-179ES EL PROFESIONAL EN EDUCACIÓN INFANTIL, 4 CREDITS

Se enfoca en el rol del profesional en Educación Infantil (ECE) y se explorará los estándares y competencias profesionales de NAEYC para maestros de la primera infancia. Los estudiantes recibirán información sobre el Código de Conducta y Ética profesional de la Asociación Nacional para la Educación de Niños Pequeños así como también la información sobre lo que significa ser un Profesional de ECE y cómo abogar para los niños y las familias.

Prerequisites: ECE-121ES, ECE-240ES, ECE-246ES, and ECE-280ES

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VAR: Variable credit class

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			

REM ESPAÑOL	ECE-179ES-01	332892 M		6-7:50 PM		
	A. ECHEVARRIA	\$504.00	\$52.00	\$0.00	\$556.00	
	La clase se reúne cinco Lunes por Zoom (6/24, 7/8, 7/22, 8/5, y 8/19 de 6:00PM a 7:50PM).					

ECE-239ES PRÁCTICAS INFORMADAS POR EL TRAUMA EN EL CUIDADO Y LA EDUCACIÓN DE LA PRIMERA INFANCIA, 4 CREDITS

Desarrollar conocimientos y habilidades que apoyen el aprendizaje y el desarrollo de niños pequeños, desde el nacimiento hasta los 8 años, que han sido negativamente afectados por traumas. Explorar los tipos y síntomas del trauma, y hacer hincapié en las prácticas informadas por el trauma que pueden aplicarse en el hogar y el entorno escolar del niño. Identificar los recursos disponibles y las estrategias reconocidas para trabajar en colaboración con las familias y otros profesionales.

REM ESPAÑOL	ECE-239ES-01	332894 T		6-7:50 PM		
	TBA	\$504.00	\$52.00	\$0.00	\$556.00	
	La clase se reúne los siguientes Martes por Zoom (6/27, 7/11, 8/1, 8/15 & 8/29 6-7:50PM).					

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.

REM ESPAÑOL	ECE-240ES-01	332898 T		6-7:50 PM		
	Y. SANCHEZ	\$504.00	\$52.00	\$0.00	\$556.00	
	La clase se reúne seis Martes por Zoom (6/25, 7/9, 7/23, 8/6, 8/20, y 9/3 de 6:00PM a 7:50 PM).					

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	ECE-246ES-01	332900 W		6-7:50 PM		
	B. MARRON	\$504.00	\$52.00	\$0.00	\$556.00	
	La clase se reúne seis Miércoles por Zoom (6/26, 7/10, 7/24, 8/7, 8/21, y 9/5 de 6:00 PM a 7:50 PM).					

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

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee	
REM ESPAÑOL	ECE-291ES-01 337534 F				6-8:50 PM	
	P. ALVARADO		\$504.00	\$52.00	\$0.00	\$556.00
	Required: Student Petition. Meets: 6/24-8/16. Remote meetings occur on 6/28, 7/12, 7/26, 8/9 & 8/16.					

ED-229 LEARNING & DEVELOPMENT, 3 CREDITS

Focuses on foundational ideas, concepts, principles, and theories in the field of educational psychology that have a significant influence on educational practice. Provides students with an overview of psychological theories regarding human development, intelligence, motivation, and the learning process. Students learn how to apply strategies and techniques derived from these theories in the classroom.

ONL	ED-229-01 332905					
	T. GOWDY		\$378.00	\$39.00	\$35.00	\$452.00
	Meets: 6/24-8/15. Online textbook included in section fees.					

ED-254 INSTRUCTIONAL STRATEGIES FOR DUAL LANGUAGE LEARNERS, 3 CREDITS

Examines pedagogical and cultural approaches which lead to successful development of English language skills and content knowledge for children who speak a home language other than English.

ONL	ED-254-01 337428					
	D. HENDRICKS		\$378.00	\$39.00	\$0.00	\$417.00

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	ED-269-01 337610					
	T. GOWDY		\$378.00	\$39.00	\$42.31	\$459.31
	Meets: 6/24-8/17. 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	SM-280-01 333033					
	M. MATTSON		\$756.00	\$78.00	\$255.00	\$1,089.00
	Required: Student Petition. Corequisite: Take the following CWE-281-06.					

Emergency Medical Technology

EMT-105 INTRODUCTION TO EMERGENCY MEDICAL SERVICES, 3 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

Course No	Course Title, Credits	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
	Instructor		Tuition	Fee	Crs. Fee	
	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	EMT-105-01 332785					
	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	ESOL-012-06 332836 MW				6-8:50 PM	
	K. HOLLOWAY		\$0.00	\$0.00	\$60.00	\$60.00
	Meets: 6/24-8/15. Required: Student Petition.					
HAR LCT	ESOL-012-07 332837 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	ESOL-012-08 337436 MW				6-8:50 PM	
	TBA		\$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.

OC LCT	ESOL-013-01 337431 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 LCT	ESOL-014-01 332838 MW				11:30 -1:20 PM	
	T. NIKOLOPOULOS		\$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

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

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 LCT	ESOL-015-06 337437 TTH				6-8:50 PM	
	T. NIKOLOPOULOS	\$0.00	\$0.00	\$65.00	\$65.00	
	Required: Student Petition. Meets: 6/24-8/15.					
HAR LCT	ESOL-015-07 337432 TTH				6-8:50 PM	
	S. CAISSE	\$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 LCT	ESOL-020-01 332840 MW				11:30 -1:20 PM	
	J. RUEDA	\$0.00	\$0.00	\$35.00	\$35.00	
	Meets: 6/24-8/15. Required: Student Petition.					
HAR LCT	ESOL-020-06 332841 TTH				7-8:50 PM	
	J. RUEDA	\$0.00	\$0.00	\$35.00	\$35.00	
	Meets: 6/24-8/15. Required: Student Petition.					

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 332842 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 332843 TTH				7-8:50 PM	
	J. STENSETH	\$0.00	\$0.00	\$30.00	\$30.00	
	Meets: 6/24-8/15. Required: Student Petition.					
HAR LCT	ESOL-031-07 337434 TTH				7-8:50 PM	
	TBA	\$0.00	\$0.00	\$30.00	\$30.00	
	Required: Student Petition. Meets: 6/24-8/15.					

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 332844 MW				9-10:50 AM	
	T. NIKOLOPOULOS	\$0.00	\$0.00	\$30.00	\$30.00	
	Meets: 6/24-8/15. Required: Student Petition.					
HAR LCT	ESOL-033-06 332845 MW				7-8:50 PM	
	S. CAISSE	\$0.00	\$0.00	\$30.00	\$30.00	
	Meets: 6/24-8/15. Required: Student Petition.					
HAR LCT	ESOL-033-07 332846 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

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

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

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 332847 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 332848 MW				7-8:50 PM	
	J. STENSETH	\$0.00	\$0.00	\$30.00	\$30.00	
	Meets: 6/24-8/15. Required: Student Petition.					

ESOL-051 ADVANCED GRAMMAR B, 0 CREDIT

One of a three-part series. English language learners study and practice count/non-count nouns, definite/indefinite articles, and noun clauses in written and spoken English. Aligns with the Oregon Adult English Language Proficiency Standards, Levels 3 and 4. Required: Student Petition.

OC LCT	ESOL-051-01 337433 MW				11:30 -1:20 PM	
	K. LONG	\$0.00	\$0.00	\$30.00	\$30.00	
	Required: Student Petition. Meets: 6/26-8/15.					
HAR LCT	ESOL-051-06 337435 TTH				7-8:50 PM	
	I. FERGUSON	\$0.00	\$0.00	\$30.00	\$30.00	
	Required: Student Petition. Meets: 6/24-8/15.					

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 332851 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-053-06 332852 MW				7-8:50 PM	
	I. FERGUSON	\$0.00	\$0.00	\$30.00	\$30.00	
	Meets: 6/24-8/15. 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 LCT	ESOL-082-01 332853					
	L. JOYCE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Meets: 6/24-8/15. Required: Student Petition.					
ONL LCT	ESOL-082-06 332854					
	L. JOYCE	\$0.00	\$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

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 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 LCT	ESOL-083-01 332855	L. JOYCE	\$0.00	\$0.00	\$0.00	\$0.00
	Meets: 6/24-8/15. Required: Student Petition.					
ONL LCT	ESOL-083-06 332856	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	ENG-104Z-01 332913	R. DAVIS	\$504.00	\$52.00	\$0.00	\$556.00
	Meets: 6/24-8/15.					

ENG-106Z INTRODUCTION TO POETRY, 4 CREDITS

The study of poetry invites us to delve into the biggest questions about life and culture alongside the seemingly smallest issues of words and sounds. ENG-106Z provides opportunities for the appreciation of poetry, including deeper awareness of craft and insight into how reading poetry can lead to self-enrichment. Students read a variety of types of poetry and poetic forms, 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

OC HYB	ENG-106Z-01 332917 M	S. NIZIOLEK	\$504.00	\$52.00	\$0.00	\$556.00
	Meets: 6/24-8/15.					

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	ENG-222-01 337631	T. DONNELLY	\$504.00	\$52.00	\$0.00	\$556.00
	Meets: 6/24-8/15.					

ENG-250 GREEK MYTHOLOGY, 4 CREDITS

Explores the historical, cultural, social, and literary significance of Greek myths; views Greek mythology in its historical and geographic positions and in the larger context of Western civilization and literary tradition; considers how studying myth affects and influences reading other works; introduces theoretical approaches to mythology and basic literary elements and terminology.

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

Campus Locations:

HAR: Harmony Community Campus
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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	Section No	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Time	Total
Instructor	Tuition	Fee	Crs. Fee			

OC	ENG-250-01 332920 TTH	M. SCHUMACHER	\$504.00	\$52.00	\$0.00	\$556.00
	Meets: 6/24-8/15.					

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	HDF-225ES-01 332932 M	Y. SANCHEZ	\$504.00	\$52.00	\$0.00	\$556.00
	La clase se reúne seis Lunes por Zoom (6/24, 7/8, 7/22, 8/5, 8/19, y 8/26 de 6:00 PM a 7:50 PM).					

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

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: HDF-225ES

REM ESPAÑOL	HDF-247ES-01 332936 M	A. ECHEVARRIA	\$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.

ONL	HDF-260-01 332940	C. BAKER	\$378.00	\$39.00	\$0.00	\$417.00
	Meets: 6/24-8/15.					

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.

ONL	FN-110-01 332786	T. SCOLLARD	\$378.00	\$39.00	\$76.63	\$493.63
	Online textbook included in section fees.					

Other Coding Translations:

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

ESPAÑOL: Enseñado en español
LCT: Low-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			

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

ONL	FN-225-01 332787	T. SCOLLARD	\$504.00	\$52.00	\$119.84	\$675.84
	Online textbook included in section fees.					
ONL	FN-225-02 332788	J. PAVLINAC	\$504.00	\$52.00	\$119.84	\$675.84
	Online textbook included in section fees.					

General Development Education (GED)

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.

ONL ESPAÑOL	GED-011-01 332921	A. ARISTIZABAL	\$0.00	\$0.00	\$50.00	\$50.00
	Meets: 6/24-8/15. Required: Student Petition.					
HAR HYB ESPAÑOL	GED-011-02 332923 TTH	A. ARISTIZABAL	\$0.00	\$0.00	\$50.00	\$50.00
	Meets: 6/24-8/15. Required: Student Petition.					

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.

OC LCT	GED-015-17 332926 MW	A. BRANDENBURG	\$0.00	\$0.00	\$50.00	\$50.00
	Meets: 6/24-8/15. Required: Student Petition.					
ONL	GED-015-68 332927	S. HATSWELL	\$0.00	\$0.00	\$55.00	\$55.00
	Meets: 6/24-8/15. Required: Student Petition.					
oc	GED-015-80 332928 MTWTH	D. GREEN	\$0.00	\$0.00	\$55.00	\$55.00
	Meets: 6/24-8/15. Required: Student Petition.					

Geographic Information Systems

Campus Locations:

HAR: Harmony Community Campus
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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

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.

ONL	GIS-201-01 332937	A. ARMEN	\$378.00	\$39.00	\$40.00	\$457.00
	Meets: 6/24-8/15.					

Geography

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	GEO-110-01 337481	C. FELDMAN	\$504.00	\$52.00	\$0.00	\$556.00
	Meets: 6/24-8/15.					

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 332961 T	B. WALKER	\$504.00	\$52.00	\$60.00	\$616.00
	Meets: 6/24-8/15. 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 332964 TH	B. WALKER	\$0.00	\$0.00	\$0.00	\$0.00
	Meets: 6/24-8/15. 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-280 GERONTOLOGY/CWE, 2-6 CREDITS (VAR)

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. 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	332780											
	J. LOVELESS	\$756.00	\$78.00	\$45.00		\$879.00V							
	Required: Student Petition. Corequisite: Take the following CWE-281-06.												

Health

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	332968											
	K. STEEN	\$378.00	\$39.00	\$0.00		\$417.00							
	Meets: 6/24-8/15.												

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	332970											
	K. STEEN	\$378.00	\$39.00	\$0.00		\$417.00							
	Meets: 6/24-8/15.												

ONL	HE-250-02	332976											
	J. RHODEN	\$378.00	\$39.00	\$0.00		\$417.00							
	Meets: 6/24-8/15.												

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	332977											
	K. ARIZO	\$378.00	\$39.00	\$35.00		\$452.00							
	Meets: 6/24-8/15.												

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	337541	TBA										
	T. SAWZAK	\$126.00	\$13.00	\$0.00		\$139.00							

Campus Locations:
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OFF: Other Off-Campus Location

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VAR: Variable credit class

ESPAÑOL: Enseñado en español
LCT: Low-Cost Text

HP-110 MEDICAL TERMINOLOGY, 4 CREDITS

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. Required: Student Petition.

ONL	HP-110-01	337493											
	T. BOYD	\$504.00	\$52.00	\$60.00		\$616.00							
	Required: Student Petition.												

ONL	HP-110-02	337495											
	T. BOYD	\$504.00	\$52.00	\$60.00		\$616.00							
	Required: Student Petition.												

History

HST-101 HISTORY OF WESTERN CIVILIZATION, 4 CREDITS

Origins and development of Western Civilization with a primary focus on Europe from ancient times to ca. 1300.

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

ONL LCT	HST-101-01	332956											
	P. MCFARLAND	\$504.00	\$52.00	\$0.00		\$556.00							
	Meets: 6/24-8/15. Online textbook provided first day of class.												

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 LCT	HST-102-01	332959											
	P. MCFARLAND	\$504.00	\$52.00	\$0.00		\$556.00							
	Meets: 6/24-8/15. Online textbook provided first day of class.												

Horticulture/Arboriculture/Landscape/Organic Farming

For more information call 503-594-3292 or email 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	HOR-146-01	332978	M								1-5:20 PM		
	T. LORDY	\$378.00	\$39.00	\$50.00		\$467.00							
	Meets: Mondays 6/24-8/26.												

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 HYB	HOR-211-01	332979	T									9-10:50 AM	
	M. MELCO	\$126.00	\$13.00	\$40.00		\$179.00							
	Meets: Tuesdays 7/2-7/30.												

HOR-280 HORTICULTURE/CWE, 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			

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	HOR-280-01 332980					
	C. KONIECZKA	\$378.00	\$39.00	\$45.00		\$462.00
	Required: Student Petition. Contact: chrisk@clackamas.edu					
	Corequisite: Take the following CWE-281-06.					

HOR-281 HORTICULTURE/CWE, 6 CREDITS

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	HOR-281-01 332989					
	C. KONIECZKA	\$756.00	\$78.00	\$45.00		\$879.00
	Required: Student Petition. Contact: chrisk@clackamas.edu					
	Corequisite: Take the following CWE-281-06.					

HOR-282 HORTICULTURE/CWE, 3 CREDITS

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	HOR-282-01 332995					
	C. KONIECZKA	\$378.00	\$39.00	\$45.00		\$462.00
	Required: Student Petition. Contact: chrisk@clackamas.edu.					

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	HOR-284-01 332999 W			12-3:00 PM		
				MW		
	C. KONIECZKA	\$378.00	\$39.00	\$50.00		\$467.00
	Meets: Mondays and Wednesdays 6/24-8/28.					

HOR-285 ORGANIC FARMING/CWE, 3 CREDITS

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	HOR-285-01 333000					
	C. KONIECZKA	\$378.00	\$39.00	\$45.00		\$462.00
	Required: Student Petition. Contact: chrisk@clackamas.edu.					

Human Services

HS-103 ETHICS FOR HUMAN SERVICE WORKERS, 2 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

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

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.

ONL LCT	HS-103-01 332941					
	M. MANEWAL	\$252.00	\$26.00	\$0.00		\$278.00
	Meets: 6/24-8/15.					

HS-104 USING DIAGNOSTIC CRITERIA IN SUBSTANCE USE TREATMENT, 2 CREDITS

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	HS-104-01 332942					
	M. MANEWAL	\$252.00	\$26.00	\$0.00		\$278.00
	Meets: 6/24-8/15.					

HS-210 MOTIVATIONAL INTERVIEWING, 3 CREDITS

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.

Recommended Prerequisites: HS-156

OC HYB	HS-210-01 337429 T				11-12:30 PM	
	C. BAKER	\$378.00	\$39.00	\$0.00		\$417.00
	Meets: 6/24-8/15. In-person classes occur on 6/25, 7/16, & 8/6.					

HS-211 INFECTIOUS DISEASES AND HARM REDUCTION, 1 CREDIT

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	HS-211-01 332943					
	Y. SMITH	\$126.00	\$13.00	\$0.00		\$139.00
	Meets: 6/24-8/15.					

HS-270 HUMAN SERVICES PRACTICUM SEMINAR, 2 CREDITS

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.

Corequisites: GRN-280, HS-280, HS-281, or HS-282

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	HS-270-01 C. BAKER	337430 T	\$252.00	\$26.00	\$0.00	\$278.00

HS-280 HUMAN SERVICES GENERALIST I: CWE/PRACTICUM, 2-6 CREDITS (VAR)

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.

Prerequisites: HS-170

Corequisites: HS-270

OC LCT	HS-280-01 J. LOVELESS	332945	\$756.00	\$78.00	\$45.00	\$879.00V
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Required: Student Petition.

HS-281 HUMAN SERVICES GENERALIST II: CWE/PRACTICUM, 2-6 CREDITS (VAR)

Cooperative work experience level II. Supervised experience in human services including but not limited to: social service; early childhood care; criminal/juvenile justice; gerontology; and other related occupations. May be repeated for up to 12 credits. Required: Student Petition.

Prerequisites: HS-170

Corequisites: HS-270

OC LCT	HS-281-01 J. LOVELESS	332949	\$756.00	\$78.00	\$45.00	\$879.00V
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Required: Student Petition.

HS-282 HUMAN SERVICES GENERALIST III: CWE/PRACTICUM, 2-6 CREDITS (VAR)

Cooperative work experience level III. Supervised experience in human services including but not limited to: social service; early childhood care; criminal/juvenile justice; gerontology; and other related occupations. May be repeated for up to 12 credits. Required: Student Petition.

Corequisites: CWE-281

Prerequisites: HS-170, HS-280 or HS-281

OC LCT	HS-282-01 J. LOVELESS	332953	\$756.00	\$78.00	\$45.00	\$879.00V
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Required: Student Petition.

Humanities

HUM-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

oc	HUM-160-01 J. SHELTON	332962 TTH	\$504.00	\$52.00	\$0.00	\$556.00
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Meets: 6/24-8/15.

Journalism

J-280 JOURNALISM/CWE, 2-6 CREDITS

Cooperative work experience. Provides the student with on-the-job experience and training related to journalism. Required: Student Petition.

Corequisites: CWE-281

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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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

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 M. JONES	332829	\$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.

ONL LCT	J-280A-01 M. JONES	332831	\$756.00	\$78.00	\$45.00	\$879.00V
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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 TBA	333007	\$0.00	\$0.00	\$0.00	\$0.00
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Meets: 6/24-8/25.

ONL LCT	LIB-101-02 TBA	333009	\$0.00	\$0.00	\$0.00	\$0.00
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Meets: 6/24-8/25.

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 C. LETTENMAIER	333021 MW	\$504.00	\$52.00	\$205.00	\$761.00
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Meets: 6/24-8/15.

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 C. LETTENMAIER	333024 MW	\$504.00	\$52.00	\$205.00	\$761.00
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Meets: 6/24-8/15.

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 C. LETTENMAIER	333029 TTH	\$504.00	\$52.00	\$205.00	\$761.00
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Meets: 6/24-8/15.

Manufacturing Technology

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 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	333012				
	P. WANNER	\$378.00	\$39.00	\$153.75	\$570.75	
	Meets: 6/24-8/15.					

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	333013 W		1-3:50 PM		
	L. HILLYARD	\$378.00	\$39.00	\$153.75	\$570.75	
	Meets: 6/24-8/15.					

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	333016 F		12-3:50 PM		
	A. ARISTIZABAL	\$378.00	\$39.00	\$252.50	\$669.50	
	Meets: 6/24-8/15. 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	337530 MW		4-9:20 PM		
	C. LETTENMAIER	\$378.00	\$39.00	\$153.75	\$570.75	
	Meets: 6/24-8/15. Required: Student Petition.					

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

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	MFG-280-01	333020				
	M. MATTSON	\$756.00	\$78.00	\$75.00	\$909.00	
	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.

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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Other Coding Translations:

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ESPAÑOL: Enseñado en español

LCT: Low-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			

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

ONL LCT	MTH-020-01	332967				
	M. NICKAS	\$504.00	\$52.00	\$20.00	\$576.00	
	Meets: 6/24-8/15.					

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 LCT ESPAÑOL	MTH-020ES-01	337638 S			8-12:20 PM	
	A. ARISTIZABAL	\$504.00	\$52.00	\$20.00	\$576.00	
	Meets: 6/24-8/15. Required: Student Petition.					

MTH-050 TECHNICAL MATHEMATICS I, 4 CREDITS

Designed for career-technical students. Topics focus on critical thinking, problem solving, and mathematical communication using applications 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	MTH-050-01	332971 T			9-11:50 AM	
	M. CHASE	\$504.00	\$52.00	\$20.00	\$576.00	
	Meets: 7/8-8/28.					

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	MTH-050ES-01	332973 F			5-9:30 PM	
	A. ARISTIZABAL	\$504.00	\$52.00	\$20.00	\$576.00	
	Meets: 6/24-8/15.					

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

OC HYB LCT	MTH-060-10	332975 TBA				
	M. CHASE	\$504.00	\$52.00	\$20.00	\$576.00	
	Meets: 6/24-8/15. Meets for in-person testing dates only; the section is otherwise asynchronous.					

HAR HYB LCT	MTH-060-15	332983 TTH			6-7:50 PM	
	B. WEBBER	\$504.00	\$52.00	\$20.00	\$576.00	
	Meets: 6/24-8/15.					

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

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 HYB LCT	MTH-065-10 332986 TBA						ONL LCT	MTH-105Z-11 333014					
	A. ARISTIZABAL		\$504.00	\$52.00	\$20.00	\$576.00		M. YANNOTTA		\$504.00	\$52.00	\$20.00	\$576.00
	Meets: 6/24-8/15. Meets for in-person testing dates only; the section is otherwise asynchronous.							Meets: 6/24-8/15.					
HAR HYB LCT	MTH-065-15 332993 TTH				6-7:50 PM		MTH-111Z PRECALCULUS I: FUNCTIONS, 4 CREDITS						
	B. WEBBER		\$504.00	\$52.00	\$20.00	\$576.00	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.						
	Meets: 6/24-8/15.						Prerequisites: MTH-095 with a C or better, or placement in MTH-111Z Recommended Prerequisites: WRD-098 or placement in WR-121Z						
MTH-095 ALGEBRA III, 4 CREDITS							OC HYB LCT MTH-111Z-01 333015 TTH						
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.							M. PARTNOF						
Prerequisites: MTH-065 with a C or better, or placement in MTH-095							Meets: 6/24-8/15.						
OC HYB LCT	MTH-095-01 332997 W				9-11:50 AM		OC HYB LCT	MTH-111Z-10 333017 TBA					
	J. HEVEL		\$504.00	\$52.00	\$20.00	\$576.00		J. KUOHA		\$504.00	\$52.00	\$20.00	\$576.00
	Meets: 6/24-8/15.							Meets: 6/24-8/15. Meets for in-person testing dates only; the section is otherwise asynchronous.					
OC HYB LCT	MTH-095-10 333003 TBA						OC HYB LCT	MTH-111Z-11 337532 TBA					
	T. LEWANDOWSKI		\$504.00	\$52.00	\$20.00	\$576.00		A. BRANDENBURG		\$504.00	\$52.00	\$20.00	\$576.00
	Meets: 6/24-8/15. Meets for in-person testing dates only; the section is otherwise asynchronous.							Meets: 6/24-8/15. Meets for in-person testing dates only; the section is otherwise asynchronous.					
OC HYB LCT	MTH-095-11 333005 TBA						MTH-112Z PRECALCULUS II: TRIGONOMETRY, 4 CREDITS						
	T. LEWANDOWSKI		\$504.00	\$52.00	\$20.00	\$576.00	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.						
	Meets: 6/24-8/15. Meets for in-person testing dates only; the section is otherwise asynchronous.						Prerequisites: MTH-111Z with a C or better, or placement in MTH-112Z Recommended Prerequisites: WRD-098 or placement in WR-121Z						
MTH-098 COLLEGE MATH FOUNDATIONS, 4 CREDITS							OC HYB LCT MTH-112Z-01 333019 MW						
In our society, we see and hear about important topics and trends that involve numbers. In this class, participants work to understand what these numbers mean. Students will use percentages to make comparisons, interpret and construct graphs to describe phenomena, compare ways of describing quantities through unit conversions, explore the ways we use the idea of average, and use rates and ratios to describe how things grow and change. Learning happens in small student groups, using technology, and through writing. The class is project-based, meaning that students complete projects to demonstrate what they've learned.							M. PARTNOF						
Prerequisites: MTH-020 with a C or better, or placement in MTH-050, MTH-060, or MTH-098							Meets: 6/24-8/15.						
ONL LCT	MTH-098-10 333006						OC HYB LCT	MTH-112Z-10 333022 TBA					
	M. JOSI		\$504.00	\$52.00	\$20.00	\$576.00		C. WARNER		\$504.00	\$52.00	\$20.00	\$576.00
	Meets: 6/24-8/15.							Meets: 6/24-8/15. Meets for in-person testing dates only; the section is otherwise asynchronous.					
MTH-105Z MATH IN SOCIETY, 4 CREDITS							MTH-244 STATISTICS II, 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.							The tools learned in Statistics I are purposed for inference of data via the use of hypothesis tests and confidence intervals for both one and two populations, linear regression, and chi-square tests.						
Prerequisites: MTH-095 or MTH-098 with a C or better, or placement in MTH-111Z							Prerequisites: STAT-243Z with a C or better Recommended Prerequisites: WRD-098 or placement in WR-121Z						
Recommended Prerequisites: WRD-098 or placement in WR-121Z							OC HYB LCT MTH-244-01 337441 MW						
OC HYB LCT	MTH-105Z-01 337438 T				1-2:50 PM			T. BIEBER		\$504.00	\$52.00	\$20.00	\$576.00
	M. YANNOTTA		\$504.00	\$52.00	\$20.00	\$576.00	5 Week Section 7/29/2024-8/29/2024.						
	Meets: 6/24-8/15.						MTH-251 CALCULUS I, 5 CREDITS						
ONL LCT	MTH-105Z-10 337531						For science, engineering, and mathematics students, this is the first course in the four-term Calculus sequence. Focuses on the analysis of functions using limits and differential calculus. Emphasis on applying calculus concepts and techniques to model and solve appropriate real-world applications.						
	K. PHILLIPS		\$504.00	\$52.00	\$20.00	\$576.00	Meets: 6/24-8/15.						

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

ESPAÑOL: Enseñado en español
LCT: Low-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

Prerequisites: MTH-112Z with a C or better, or placement in MTH-251
Recommended Prerequisites: WRD-098 or placement in WR-121Z

OC HYB LCT	MTH-251-01	333028 MW				10-11:50 AM
	M. HAUGEN	\$630.00	\$65.00	\$20.00	\$715.00	
	Meets: 6/24-8/15.					

OC HYB LCT	MTH-251-10	333034 TBA				
	M. PRICE	\$630.00	\$65.00	\$20.00	\$715.00	
	Meets: 6/24-8/15. Meets for in-person testing dates only; the section is otherwise asynchronous.					

MTH-252 CALCULUS II, 5 CREDITS

For science, engineering, and mathematics students, this is the second course in the four-term Calculus sequence. Focuses on understanding integral calculus and using anti-differentiation techniques. Emphasis on applying the calculus to model and solve appropriate real-world applications.

Prerequisites: MTH-251 with a C or better

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

OC HYB LCT	MTH-252-01	333035 TTH				1-2:50 PM
	M. PARTNOF	\$630.00	\$65.00	\$20.00	\$715.00	
	Meets: 6/24-8/15.					

MTH-253 CALCULUS III, 5 CREDITS

Investigates indeterminate forms, improper integrals, convergence of sequences and series, power series, Taylor series and Taylor polynomials, error analysis of numerical estimates, complex numbers and the Euler formula, parametric equations, vectors, dot products, and the geometry of lines and planes in space.

Prerequisites: MTH-252 with a C or better

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

OC HYB LCT	MTH-253-01	337442 TTH				1-2:50 PM
	A. BRANDENBURG	\$630.00	\$65.00	\$20.00	\$715.00	
	Meets: 6/24-8/15.					

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-252 with a C or better

OC HYB LCT	MTH-254-01	333038 W				1-3:50 PM
	A. HALL	\$630.00	\$65.00	\$20.00	\$715.00	
	Meets: 6/24-8/15.					

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-252 with a C or better

OC HYB LCT	MTH-256-01	333040 W				9-11:50 AM
	A. HALL	\$504.00	\$52.00	\$20.00	\$576.00	
	Meets: 6/24-8/15.					

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-252 with a C or better

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

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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 HYB LCT	MTH-261-01	333042 TTH				10-11:50 AM
	M. HAUGEN	\$504.00	\$52.00	\$20.00	\$576.00	
	Meets: 6/24-8/15.					

MTH-275 A BRIDGE TO UNIVERSITY MATHEMATICS, 3 CREDITS

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-251

OC HYB LCT	MTH-275-01	337443 MW				10-11:50 AM
	M. YANNOTTA	\$0.00	\$0.00	\$0.00	\$0.00	
	Required: Student Petition. Meets: 7/1-7/31.					

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. Required: Student Petition.

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

Required: Medical Billing and Coding students only

REM	MBC-225-01	332793 M				6-9:00 PM
	C. GARNER	\$630.00	\$65.00	\$0.00	\$695.00	
	Required: Student Petition.					

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 LCT	MUS-280-01	332810				
	C. DOGGETT	\$756.00	\$78.00	\$144.00	\$978.00V	
	Required: Student Petition. Corequisite: Take the following CWE-281-06.					

OC LCT	MUS-280-02	332811				
	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.

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	XMUP-0001-01	332814 M			6:30 -9:20 PM	
	L. CLINE		\$0.00	\$0.00	\$0.00	\$0.00

Music: Individual Lessons - Non-Music Majors

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

Private lessons for beginners, non-music majors, and students who receive a low rating in MUP-171-191 auditions. Brass, woodwind, percussion, string and keyboard instruments, and voice. May be repeated for up to 6 credits. Required: Student Petition.

OC LCT	MUP-100-01	332794 TBA				
	TBA		\$126.00	\$13.00	\$225.00	\$364.00
	Required: Student Petition. Jazz Piano Lessons.					
OC LCT	MUP-100-02	332795 TBA				
	Y. MIYAMA		\$126.00	\$13.00	\$225.00	\$364.00
	Required: Student Petition. Piano Lessons.					
OC LCT	MUP-100-03	332796 TBA				
	D. FLESCHNER		\$126.00	\$13.00	\$225.00	\$364.00
	Required: Student Petition. Rock, Blues, and Pop Piano Lessons.					
OC LCT	MUP-100-04	332797 TBA				
	J. ISRAELS		\$126.00	\$13.00	\$225.00	\$364.00
	Required: Student Petition. Voice Lessons.					
OC LCT	MUP-100-05	332798 TBA				
	B. MICHAEL		\$126.00	\$13.00	\$225.00	\$364.00
	Required: Student Petition. Voice Lessons.					
OC LCT	MUP-100-06	332799 TBA				
	C. AVERILL		\$126.00	\$13.00	\$225.00	\$364.00
	Required: Student Petition. Cello Lessons.					
OC LCT	MUP-100-07	332800 TBA				
	K. DEITZ		\$126.00	\$13.00	\$225.00	\$364.00
	Required: Student Petition. Bass Lessons.					
OC LCT	MUP-100-08	332801 TBA				
	D. TUTMARK		\$126.00	\$13.00	\$225.00	\$364.00
	Required: Student Petition. Guitar Lessons.					
OC LCT	MUP-100-09	332802 TBA				
	C. WOITACH		\$126.00	\$13.00	\$225.00	\$364.00
	Required: Student Petition. Jazz Guitar Lessons.					
OC LCT	MUP-100-10	332803 TBA				
	G. HARRIS		\$126.00	\$13.00	\$225.00	\$364.00
	Required: Student Petition. Saxophone Lessons.					
OC LCT	MUP-100-11	332804 TBA				
	J. KLAUSE		\$126.00	\$13.00	\$225.00	\$364.00
	Required: Student Petition. Trumpet Lessons.					
OC LCT	MUP-100-12	332805 TBA				
	C. DOGGETT		\$126.00	\$13.00	\$225.00	\$364.00
	Required: Student Petition. Percussion & Drum Set Lessons.					

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	PHL-101-01	333044				
	K. HADDIX		\$504.00	\$52.00	\$0.00	\$556.00
	Meets: 6/24-8/15.					

PHL-102 ETHICS, 4 CREDITS

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	Instructor		Tuition	Fee	Crs. Fee	

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 LCT	PHL-102-01	333046				
	M. BAILEY		\$504.00	\$52.00	\$0.00	\$556.00
	Meets: 6/24-8/15. No textbook required.					

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	PHB-125-01	337661				
	E. ZUNIGA		\$126.00	\$13.00	\$100.00	\$239.00
	Required: Student Petition.					

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	PHB-130-01	337662 TBA				
	E. ZUNIGA		\$630.00	\$65.00	\$0.00	\$695.00
	Required: Student Petition.					

Physical Education

PE-185 PHYSICAL ACTIVITY CLASSES, 1 CREDIT

Recommended: Current physical examination before enrolling

	WALK, JOG, FITNESS I, 1 CREDIT					
ONL	PE-185-010	333030				
	K. MCHONE		\$126.00	\$13.00	\$30.00	\$169.00
	Meets: 6/24-8/15.					

	WALK, JOG, FITNESS I, 1 CREDIT					
ONL	PE-185-011	333031				
	J. RHODEN		\$126.00	\$13.00	\$30.00	\$169.00
	Meets: 6/24-8/15.					

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.

Course No	Course Title, Credits	Section No	Instructor	Crs Reg.	Days (M,T,W,Th,F,S,SU)	Tuition	Fee	Time	Crs. Fee	Total
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Recommended Prerequisites: WRD-090 or placement in WRD-098

ONL	PS-201-01	333051	J. HITE			\$504.00	\$52.00	\$0.00		\$556.00
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Meets: 6/24-8/15.

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

OC LCT	PSY-101-01	333052 TTH	E. SAUBER			\$378.00	\$39.00	\$0.00		\$417.00
Meets: 6/24-8/15. No textbook required.										
HAR LCT	PSY-101-15	337482 MW	E. SAUBER			\$378.00	\$39.00	\$0.00		\$417.00
Meets: 6/24-8/15. No textbook required.										
OC LCT	PSY-101-ASE01	333056 TTH	E. SAUBER			\$0.00	\$0.00	\$0.00		\$0.00
Meets: 6/24-8/15. Required: Student Petition. No textbook required.										

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 LCT	PSY-201Z-01	337636	J. KISSLER			\$504.00	\$52.00	\$0.00		\$556.00
Meets: 6/24-7/25. Online textbook provided first day of class.										

PSY-202Z INTRODUCTION TO PSYCHOLOGY II, 4 CREDITS

Introduction to the science and application of psychology. Emphasis will be placed on psychological concepts, theories, and principles related to: Personality, Social Psychology, Health and Well-Being, Motivation and Emotion, Disorders, Therapies, Lifespan Development, and related topics.

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

ONL LCT	PSY-202Z-01	337637	J. KISSLER			\$504.00	\$52.00	\$0.00		\$556.00
Meets: 6/24-7/25. Online textbook provided first day of class.										

PSY-215 INTRODUCTION TO DEVELOPMENTAL PSYCHOLOGY, 4 CREDITS

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

ONL	PSY-215-01	337483	S. KISER			\$504.00	\$52.00	\$0.00		\$556.00
Meets: 6/24-8/15.										

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PSY-219 INTRODUCTION TO ABNORMAL PSYCHOLOGY, 4 CREDITS

Introduction to abnormal psychology, including disorders and approaches to treatment.

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

ONL LCT	PSY-219-01	333060	E. SAUBER			\$504.00	\$52.00	\$0.00		\$556.00
Meets: 6/24-8/15. Online textbook provided first day of class.										

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 LCT	PSY-231-01	337484	E. SAUBER			\$504.00	\$52.00	\$0.00		\$556.00
Meets: 6/24-8/15. Online textbook provided first day of class.										

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	R-101-01	337485	J. SHELTON			\$504.00	\$52.00	\$0.00		\$556.00
Meets: 6/24-8/15.										

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	RET-280-01	333032	A. FOUHY			\$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

Registration for these workshops does not require college admission. E-mail 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

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

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	SBM-011-01SU	337526	T		6-7:50 PM	
	TBA	\$0.00	\$0.00	\$0.00		\$0.00

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.

REM	XSBM-0003-01SU	337520	TH		6:30 -9:20 PM	
	J. SELBY	\$0.00	\$0.00	\$0.00		\$0.00
REM	XSBM-0003-02SU	337521	TH		6:30 -9:20 PM	
	J. SELBY	\$0.00	\$0.00	\$0.00		\$0.00
REM	XSBM-0003-03SU	337522	TH		6:30 -9:20 PM	
	J. SELBY	\$0.00	\$0.00	\$0.00		\$0.00

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	XSBM-0011-21SU	337523	W		6-8:50 PM	
	C. WEESNER	\$0.00	\$0.00	\$0.00		\$0.00

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

oc	SSC-160-01	333075	TTH		10-12:45 PM	
	J. SHELTON	\$504.00	\$52.00	\$0.00		\$556.00
		Meets: 6/24-8/15.				

Sociology

SOC-204 INTRODUCTION TO SOCIOLOGY, 4 CREDITS

This course offers an introduction to the field of sociology. Sociology is the scientific study of human behavior in society. In this course we will introduce and discuss issues including the sociological imagination, culture, socialization, deviance, authority, religion, science and methods of sociological research. Various sociological theories will be introduced and utilized to explore and enhance our understanding of these issues.

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

oc HYB	SOC-204-01	333065	W		1-3:45 PM	
	E. PFEIFER	\$504.00	\$52.00	\$0.00		\$556.00
		Meets: 6/24-8/15.				

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SOC-205 SOCIAL STRATIFICATION & SOCIAL SYSTEMS, 4 CREDITS

This course explores the inequality that exists in our society. Social stratification is the unequal distribution of resources and opportunities in a society. Issues like gender, race, poverty, education and capitalism will be explored and discussed in an attempt to understand their impact on the inequality that we experience in our society. Various sociological theories will be introduced and utilized to explore and enhance our understanding of these issues.

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

oc HYB	SOC-205-01	333067	TH		1-3:45 PM	
	E. PFEIFER	\$504.00	\$52.00	\$0.00		\$556.00
		Meets: 6/24-8/15.				

SOC-206 INSTITUTIONS & SOCIAL CHANGE, 4 CREDITS

This course explores how people can change their society. Social change is a process that can be used by people in a society, to change and improve the functioning of their society. This course will explore and discuss how people-led social movements, in the past and in the present, can be developed, organized, and implemented to accomplish social change.

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

ONL	SOC-206-01	337635				
	J. LOVELESS	\$504.00	\$52.00	\$0.00		\$556.00
		Meets: 6/24-8/15.				

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 HYB LCT	STAT-243Z-01	337533	MW		1-3:50 PM	
	T. BIEBER	\$504.00	\$52.00	\$20.00		\$576.00
		Meets: 6/24-7/25. 5-week summer section.				
ONL LCT	STAT-243Z-10	333076				
	M. PRICE	\$504.00	\$52.00	\$20.00		\$576.00
		Meets: 6/24-8/15.				

Theatre Arts

TA-111 FUNDAMENTALS OF TECHNICAL THEATRE, 4 CREDITS

First class of a three part series. Basic study and practice in the collaborative techniques of mounting various types of productions for presentation. Includes basic principles and techniques in stage design, construction, and lighting. Flexible laboratory sessions available. Students must attend a performance as well as participate in the focus and strike (10 total hours) of a production. Students are required to maintain an independent journal/study (12 total hours) of outside class activity and/or observations of Technical Theatre applications.

oc LCT	TA-111-01	332832	TTH		1-3:50 PM	
	C. WHITTEN	\$504.00	\$52.00	\$35.00		\$591.00
		Meets: 6/24-8/15.				

Other Coding Translations:

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

ESPAÑOL: Enseñado en español

- LCT: Low-Cost Text

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

TA-211 TECHNICAL THEATRE STUDY, 4 CREDITS
 Comprehensive study and practice in presentational graphics, scene design, lighting design, and chromatics. The full creative process of staging a production will be explored through aesthetic research and design projects. Includes hands-on participation in CCC's main stage productions.
Prerequisites: TA-111, TA-112, and TA-113
Recommended Prerequisites: WRD-098 or placement in WR-121Z

OC LCT	TA-211-01	332835 TTH			1-3:50 PM	
	C. WHITTEN	\$504.00	\$52.00	\$35.00	\$591.00	
	Meets: 6/24-8/15.					

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	WET-108-01	333036 TWTHF			8-4:50 PM	
	J. NURMI	\$378.00	\$39.00	\$0.00	\$417.00	
	Meets: 9/3-9/6. 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	WET-109-01	333037 MTWTHF			8-4:50 PM	
	M. LAFORCE	\$504.00	\$52.00	\$4.00	\$560.00	
	Meets: 6/17-6/21.					
oc	WET-109-02	337515 MTWTHF			8-4:50 PM	
	M. LAFORCE	\$504.00	\$52.00	\$4.00	\$560.00	
	Meets: 8/5-8/9.					

WET-180 WATER & ENVIRONMENTAL PROJECTS I, 5 CREDITS
 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	WET-180-01	333039				
	M. LAFORCE	\$630.00	\$65.00	\$45.00	\$740.00	
	Meets: 6/24-8/15. Required: Student Petition. Corequisite: Take the following CWE-281-03.					

WET-280 WATER & ENVIRONMENTAL PROJECTS II, 5 CREDITS
 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 **WET-280-01 333041**
 M. LAFORCE \$630.00 \$65.00 \$45.00 \$740.00
 Meets: 6/24-8/15. Required: Student Petition. Corequisite: Take the following CWE-281-03.

XWET-C003 2-DAY TESTER RETRAIN/RENEWAL, 1.20 CEUS
 Review of backflow prevention assemblies used for water/wastewater system cross connection control. Review 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. Upon successful hands on and written exam completion, students will be issued certificate of completion by OBT/CCC and transcribed for appropriate number of CEUs. Students will be able to apply to Oregon Health Department for recertification by that agency.

oc	XWET-C003-21	337668 THF			8-3:50 PM	
	M. LAFORCE	\$0.00	\$0.00	\$0.00	\$0.00	
	Meets: 8/1-8/2. Fee: \$200.00. Go to ccc-wet.eventbrite.com to sign up.					

XWET-C004 4-DAY CROSS CONNECTION SPECIALIST COURSE, 3.20 CEUS
 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	XWET-C004-41	333115 TWTHF			8-4:50 PM	
	J. NURMI	\$0.00	\$0.00	\$0.00	\$0.00	
	Meets: 9/3-9/6. Fee: \$400.00. Go to ccc-wet.eventbrite.com 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	XWET-C005-51	333118 MTWTHF			8-4:50 PM	
	M. LAFORCE	\$0.00	\$0.00	\$0.00	\$0.00	
	Meets: 6/17-6/21. Fee: \$500.00. Go to ccc-wet.eventbrite.com to sign up.					

oc	XWET-C005-52	333121 MTWTHF			8-5:00 PM	
	M. LAFORCE	\$0.00	\$0.00	\$0.00	\$0.00	
	Meets: 8/5-8/9. Fee: \$500.00. Go to ccc-wet.eventbrite.com to sign up.					

Welding Technology

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

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)	Time	Total
		Instructor		Tuition	Fee	Crs. Fee

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	WLD-100-01	333043 T				1-4:50 PM
	M. TIZO		\$378.00	\$39.00	\$219.00	\$636.00
	Meets: 6/25-8/20.					

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	WLD-102-01	333047 S				8-12:50 PM
	K. DRURY		\$252.00	\$26.00	\$146.00	\$424.00
	Meets: 6/29-8/24.					

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.

oc LCT	WLD-110-01	333050 MW				8-12:50 PM
	R. ABBOTT		\$504.00	\$52.00	\$432.00	\$988.00
	Required: Student Petition. Meets: 6/24-8/21.					

oc	WLD-110-02	337632 MW				5-9:50 PM
	M. TIZO		\$504.00	\$52.00	\$432.00	\$988.00
	Meets: 6/24 - 8/21.					

oc LCT	WLD-110-04	333053 TTH				10:30 -3:20 PM
	B. MULLIGAN		\$504.00	\$52.00	\$432.00	\$988.00
	Required: Student Petition. Meets: 6/25-8/22.					

oc LCT	WLD-110-05	333054 TTH				5-9:50 PM
	B. MULLIGAN		\$504.00	\$52.00	\$432.00	\$988.00
	Required: Student Petition. Meets: 6/25-8/22.					

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	WLD-113-01	333055 MTWTH				5-9:50 PM
	J. PHELPS		\$1,008.00	\$104.00	\$584.00	\$1,696.00
	Meets: 6/24-8/22.					

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.

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	WLD-113A-01	333057 MW				5-9:50 PM
	J. PHELPS		\$504.00	\$52.00	\$292.00	\$848.00
	Meets: 6/24-8/21.					

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	WLD-113B-01	333059 TTH				5-9:50 PM
	J. PHELPS		\$504.00	\$52.00	\$292.00	\$848.00
	Meets: 6/25-8/22.					

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	WLD-115-01	333061 MTWTH				8-12:50 PM
	D. PODKOWA		\$1,008.00	\$104.00	\$584.00	\$1,696.00
	Meets: 6/24-8/22.					

WLD-115A GAS TUNGSTEN ARC WELDING (GTAW), 4 CREDITS
 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	WLD-115A-01	333063 MW				8-12:50 PM
	D. PODKOWA		\$504.00	\$52.00	\$292.00	\$848.00
	Meets: 6/24-8/21.					

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	WLD-115B-01	333064 TTH				8-12:50 PM
	D. PODKOWA		\$504.00	\$52.00	\$292.00	\$848.00
	Meets: 6/25-8/22.					

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	WLD-150-01	333066 MW				8-12:50 PM
	R. ABBOTT		\$504.00	\$52.00	\$292.00	\$848.00
	Meets: 6/24-8/21.					

oc	WLD-150-02	337633 MW				5-9:50 PM
	M. TIZO		\$504.00	\$52.00	\$292.00	\$848.00
	Meets: 6/24 - 8/21.					

Campus Locations:
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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

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			

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	WLD-200-01	337634 W			1-4:50 PM	
	D. PODKOWA	\$378.00	\$39.00	\$219.00	\$636.00	
	Meets: 6/24 - 8/21.					

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	WLD-215-01	333068 TTH			10:30 -3:20 PM	
	B. MULLIGAN	\$504.00	\$52.00	\$292.00	\$848.00	
	Meets: 6/25-8/22.					

WLD-250 WELDING FABRICATION I BEGINNING PROJECT, 4 CREDITS

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	WLD-250-01	333069 TTH			5-9:50 PM	
	B. MULLIGAN	\$504.00	\$52.00	\$292.00	\$848.00	
	Meets: 6/25-8/22.					

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	WLD-251-01	333072 TTH			5-9:50 PM	
	B. MULLIGAN	\$504.00	\$52.00	\$292.00	\$848.00	
	Meets: 6/25-8/22.					

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	WLD-252-01	333074 TTH			5-9:50 PM	
	B. MULLIGAN	\$504.00	\$52.00	\$292.00	\$848.00	
	Meets: 6/25-8/22.					

Campus Locations:
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Distance Education Notification:
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ESPAÑOL: Enseñado en español
LCT: Low-Cost Text

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	WLD-261-01	333077 T			10:30 -3:20 PM	
	B. MULLIGAN	\$252.00	\$26.00	\$146.00	\$424.00V	
	Required: Student Petition. Meets: 6/25-8/20.					
oc LCT	WLD-261-02	333081 M			8-12:50 PM	
	D. PODKOWA	\$252.00	\$26.00	\$146.00	\$424.00V	
	Required: Student Petition. Meets: 6/24-8/19.					
oc LCT	WLD-261-03	333082 M			5-9:50 PM	
	J. PHELPS	\$252.00	\$26.00	\$146.00	\$424.00V	
	Required: Student Petition. Meets: 6/24-8/19.					
oc LCT	WLD-261-04	333083 T			5-9:50 PM	
	J. PHELPS	\$252.00	\$26.00	\$146.00	\$424.00V	
	Required: Student Petition. Meets: 6/25-8/20.					
oc LCT	WLD-261-05	333084 TH			10:30 -3:20 PM	
	B. MULLIGAN	\$252.00	\$26.00	\$146.00	\$424.00V	
	Required: Student Petition. Meets: 6/27-8/22.					
oc LCT	WLD-261-06	333085 T			8-12:50 PM	
	D. PODKOWA	\$252.00	\$26.00	\$146.00	\$424.00V	
	Required: Student Petition. Meets: 6/25-8/20.					
oc LCT	WLD-261-07	333086 W			5-9:50 PM	
	J. PHELPS	\$252.00	\$26.00	\$146.00	\$424.00V	
	Required: Student Petition. Meets: 6/26-8/21.					
oc LCT	WLD-261-08	333087 TH			5-9:50 PM	
	J. PHELPS	\$252.00	\$26.00	\$146.00	\$424.00V	
	Required: Student Petition. Meets: 6/27-8/22.					
oc LCT	WLD-261-09	333088 W			8-12:50 PM	
	D. PODKOWA	\$252.00	\$26.00	\$146.00	\$424.00V	
	Required: Student Petition. Meets: 6/26-8/21.					
oc LCT	WLD-261-10	333089 S			8-12:50 PM	
	K. DRURY	\$252.00	\$26.00	\$146.00	\$424.00V	
	Required: Student Petition. Meets: 6/29-8/24.					
oc LCT	WLD-261-11	333090 TH			8-12:50 PM	
	D. PODKOWA	\$252.00	\$26.00	\$146.00	\$424.00V	
	Required: Student Petition. Meets: 6/27-8/22.					

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	XWLD-0001-01	333130 TBA				
	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	XWLD-0002-01	333131 TBA				
	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.

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	XWLD-0003-01 B. MULLIGAN Required: Student Petition.	333135	TBA	\$0.00	\$0.00	\$25.00	\$25.00

Women's Studies

WS-101 INTRODUCTION TO WOMEN'S STUDIES, 4 CREDITS

Examines the history of the representation of women, the history of US feminism and the development of Women's Studies as an academic discipline. Critically explores social issues relevant to women's lives, including gender-expression, marginalization, reproduction, sexuality, economic status and the experience of violence.

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

ONL LCT	WS-101-01 T. BOYLE- GALESTIANZ Meets: 6/24-8/15. No textbook required.	333143	\$504.00	\$52.00	\$0.00	\$566.00
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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	SPN-101-01 V. SHORT Meets online: 6/24-7/11. One-time textbook access code purchase used for SPN-101 through SPN-203.	333070	\$504.00	\$52.00	\$10.00	\$566.00
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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.

Prerequisites: SPN-101

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

ONL	SPN-102-01 V. SHORT Meets online: 7/15-8/1. One-time textbook access code purchase used for SPN-101 through SPN-203.	333071	\$504.00	\$52.00	\$10.00	\$566.00
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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	SPN-103-01 V. SHORT Meets online: 8/5-8/22. One-time textbook access code purchase used for SPN-101 through SPN-203.	333073	\$504.00	\$52.00	\$10.00	\$566.00
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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.

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

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

ONL LCT	WR-101-01 P. CRUMRINE Meets: 6/24-8/15.	333080	\$504.00	\$52.00	\$19.00	\$575.00
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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	WR-121Z-01 S. WARREN Meets: 6/24-8/15.	333092	MW	\$504.00	\$52.00	\$19.00	\$575.00	10-12:35 PM
OC LCT	WR-121Z-02 M. SCHUMACHER Meets: 6/24-8/15.	333094	TTH	\$504.00	\$52.00	\$19.00	\$575.00	10-12:35 PM
OC HYB LCT	WR-121Z-03 S. WARREN Meets: 6/24-8/15.	333095	M	\$504.00	\$52.00	\$19.00	\$575.00	1-3:35 PM
OC HYB LCT	WR-121Z-04 R. MURPHY Meets: 6/24-8/15.	333097	T	\$504.00	\$52.00	\$19.00	\$575.00	1-3:35 PM
ONL LCT	WR-121Z-05 L. ORMANDY Meets: 6/24-8/15.	333099		\$504.00	\$52.00	\$19.00	\$575.00	
ONL LCT	WR-121Z-06 P. CRUMRINE Meets: 6/24-8/15.	333100		\$504.00	\$52.00	\$19.00	\$575.00	
ONL	WR-121Z-07 J. MCALPINE Meets: 6/24-8/15.	333102		\$504.00	\$52.00	\$19.00	\$575.00	
HAR HYB LCT	WR-121Z-15 S. WARREN Meets: 6/24-8/15.	333106	M	\$504.00	\$52.00	\$19.00	\$575.00	6-8:35 PM

WR-122Z COMPOSITION II, 4 CREDITS

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.

Prerequisites: WR-121Z with a C or better

OC	WR-122Z-01 L. ORMANDY Meets: 6/24-8/15.	333107	MW	\$504.00	\$52.00	\$19.00	\$575.00	10-12:35 PM
OC LCT	WR-122Z-02 M. SCHUMACHER Meets: 6/24-8/15.	333109	MW	\$504.00	\$52.00	\$19.00	\$575.00	1-3:35 PM
OC HYB LCT	WR-122Z-03 R. MURPHY Meets: 6/24-8/15.	333111	M	\$504.00	\$52.00	\$19.00	\$575.00	1-3:35 PM
OC HYB LCT	WR-122Z-04 S. NIZIOLEK Meets: 6/24-8/15.	333113	T	\$504.00	\$52.00	\$19.00	\$575.00	1-3:35 PM

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	
ONL LCT	WR-122Z-05 333114 R. MURPHY Meets: 6/24-8/15.		\$504.00	\$52.00	\$19.00	\$575.00							
ONL LCT	WR-122Z-06 333116 S. PESZNECKER Meets: 6/24-8/15.		\$504.00	\$52.00	\$19.00	\$575.00							
ONL	WR-122Z-07 333117 P. CRUMRINE Meets: 6/24-8/15.		\$504.00	\$52.00	\$19.00	\$575.00							
HAR HYB LCT	WR-122Z-15 333119 W C. ZIMMERLY-BECK Meets: 6/24-8/15.		\$504.00	\$52.00	\$19.00	\$575.00							

WR-124ES ESCRITURA DE ENSAYOS DE NIVEL UNIVERSITARIO EN ESPAÑOL, 4 CREDITS

Este curso ofrece una introducción al ensayo académico. El alumnado aprenderá un proceso de escritura y redacción: desde cómo hacer una «lluvia de ideas» para generar ideas hasta cómo corregir e editar un escrito. A la vez, se desarrollarán respuestas originales-en forma escrita-a reseñas y reportajes sobre temas controversiales y a los ensayos académicos difíciles. La clase enfatizará la alfabetización de la información, así como: cómo encontrar y evaluar materiales, recursos relevantes y obras originales; cómo integrarlos en una redacción académica y cómo citarlos.

Required: Los y las estudiantes deben leer y escribir a nivel universitario, en español, antes de comenzar el curso

Prerequisites: WRD-098 o ubicación en WR-121Z

ONL ESPAÑOL	WR-124ES-01 333120 A. DEFREUSE Meets: 6/24-8/15.		\$0.00	\$0.00	\$19.00	\$19.00
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WR-128 INTRODUCTION TO APA STYLE & DOCUMENTATION, 1 CREDIT

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.

Prerequisites: WR-121Z with a C or better

ONL LCT	WR-128-01 333126 S. PESZNECKER Meets: 6/24-8/15.		\$0.00	\$0.00	\$19.00	\$19.00
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WR-140 INTRODUCTION TO WRITING CREATIVELY, 4 CREDITS

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.

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

ONL LCT	WR-140-01 333127 T. DONNELLY Meets: 6/24-7/19.		\$504.00	\$52.00	\$19.00	\$575.00
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WR-227Z TECHNICAL WRITING, 4 CREDITS

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.

Prerequisites: WR-121Z with a C or better

OC HYB LCT	WR-227Z-01 333128 M L. ORMANDY Meets: 6/24-8/15.		\$504.00	\$52.00	\$19.00	\$575.00
ONL LCT	WR-227Z-02 333132 C. ZIMMERLY-BECK Meets: 6/24-8/15.		\$504.00	\$52.00	\$19.00	\$575.00
HAR HYB	WR-227Z-15 337630 T M. SCHUMACHER Meets: 6/24-8/15.		\$504.00	\$52.00	\$19.00	\$575.00

WRD-090 INTRODUCTORY COLLEGE READING & WRITING 1, 4 CREDITS

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.

Prerequisites: Placement in WRD-090

OC LCT	WRD-090-01 333134 MW M. SCHUMACHER Meets: 6/24-8/15.		\$504.00	\$52.00	\$19.00	\$575.00
ONL LCT	WRD-090-02 333137 S. NIZIOLEK Meets: 6/24-8/15.		\$504.00	\$52.00	\$19.00	\$575.00

WRD-098 INTRODUCTORY COLLEGE READING & WRITING 2, 4 CREDITS

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.

Prerequisites: WRD-090 or placement in WRD-098

OC LCT	WRD-098-01 333139 TTH C. ZIMMERLY-BECK Meets: 6/24-8/15.		\$504.00	\$52.00	\$19.00	\$575.00
ONL LCT	WRD-098-02 333141 A. WICKERT Meets: 6/24-8/15.		\$504.00	\$52.00	\$19.00	\$575.00

XWR-0001 CHRYSALIS WOMEN WRITERS, 0 CREDIT

This club is for CCC students and non-students to support the creation of, practice of, and critique of creative writing. An honest and supportive critique group, welcomes both new and established women writers. Newcomers are welcome to attend without reading their own work until they are comfortable doing so. This workshop is led by local author Patricia Lichen.

OC HYB LCT	XWR-0001-01 333146 W P. LICHEN Meets: 6/20-9/13. This workshop will be conducted via Zoom and in-person.		\$0.00	\$0.00	\$0.00	\$0.00
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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

Summer

FUN, FRIENDS AND FITNESS



As the days lengthen and we welcome back the sunshine into the Northwest, CCC Community Education partners have some exciting summer fitness classes scheduled. Adding cardio fitness, along with strength and flexibility training, can have positive health benefits.

Whether you are looking for **Yoga in the Park** at Milwaukie Community Center, **Outdoor Tai Chi** and **Line Dance Workout** at Pioneer Community Center, **Body Sculpt** at Wilsonville Parks and Recreation, **Yoga Core** at the Oregon City Pool, or **H2O Fitness** at North Clackamas Parks and Recreation, **Community Education has something for everyone.**

Embrace the season by joining us for a cardio, strength or flexibility fitness class that'll have you feeling unstoppable!

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

Community Education strives to be a low-cost option for the district, with partners in many locations. If you would like to suggest a class please visit our website at www.clackamas.edu/suggest-a-community-ed-class.

Senior Discount

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



CANBY

Bridging Cultures

503-592-3781 | www.bridgingculturescanby.org

GLADSTONE

Gladstone Community School

503-650-2570 | www.clackamas.edu/gladstone

MILWAUKIE

Milwaukie Community Center

503-794-8092 | www.ncprd.com

North Clackamas Parks and Recreation

503-794-8080, ext. 0 | www.ncprd.com

OREGON CITY

Oregon City Community Education

503-785-8520 | <https://ocsd62occe.org/>

Oregon City Swimming Pool

503-657-8273 | www.orcity.org/swimmingpool

Pioneer Community Center

503-657-8287 | www.orcity.org/499/Pioneer-Community-Center

TEAM OREGON

Motorcycle/Scooter Safety Training

800-545-9944 | www.team-oregon.org

WEST LINN

West Linn Parks and Recreation

503-557-4700 | www.westlinnoregon.gov/parksrec

WILSONVILLE

City of Wilsonville Parks and Recreation

503-783-PLAY | www.wilsonvilleparksandrec.com

West Linn/Wilsonville Family Empowerment Center

503-673-7690 | www.wlww.k12.or.us/domain/3726

ACADEMIC REGULATIONS

Absences/Attendance

- You must be officially registered to attend class.
- Be sure to notify your instructor if you can't make it to your first day of class. If you don't, you may lose your seat to a student on the wait list.
- **If you stop going to class and you don't officially drop the classes from your schedule, you will be held academically and financially responsible.**
- If the college is open on a religious holiday, you may be excused through prior arrangement with your instructors.
- If you attend a college-sponsored field trip, intercollegiate function or other event, you may be excused through prior arrangement with your instructors.
- **Financial aid programs have specific attendance requirements. Contact the Financial Aid Office for more information at finaid@clackamas.edu or www.clackamas.edu.**

Academic Standing

If you are a student with a program code other than NA.HIGHSCHOOL and taking 4 or more credits, you are required to maintain a 2.0 GPA and complete at least 50% of your attempted credits in order to remain in good academic standing.

Active Military Duty

If you are called up for active military duty, and wish to withdraw from classes, you will be held harmless with as much as possible regard to financial and academic responsibility.

- You will be asked to officially withdraw from classes by web, fax, mail, or in person.
- Students who have already shipped out or are unable to drop classes should contact Enrollment Services: 503-594-6074 or registrar@clackamas.edu.
- You will be asked to submit a copy of your orders along with a request for a refund/credit to Enrollment Services.
- Requests to be held harmless financially and academically for a prior term enrollment must be submitted directly to the Registrar at 503-594-3370 or chris.sweet@clackamas.edu.

Adding and Dropping Classes

- You are required to obtain instructor permission (signature) once classes begin.
- You must officially drop courses you have registered for if you decide to stop going to class. **Ceasing to attend class does not constitute official withdrawal! You will be held responsible academically and financially if you do not officially drop your courses. Official withdrawal is via myClackamas or in person.**

Administrative Withdraw

- If you don't attend your class during the first two weeks of the class, instructors **MAY** drop you but **ARE NOT REQUIRED** to do so. This is called administrative withdrawal.
- If an instructor does an administrative withdrawal, you may be granted a full refund of charges for the class.
- An instructor may administratively withdraw you from a course if you are unable to demonstrate fulfillment of the stated class prerequisite or co-requisite requirement.

- If you are utilizing financial aid or veterans benefits, you may owe a repayment. Please check with these offices for additional information regarding your enrollment status and entitlement to benefits.
- If you are administratively withdrawn from a course, you will be notified by Enrollment Services.

Audit

An audit allows you to attend class without responsibility for a grade. Audit carries no credit, doesn't contribute toward full-time status and does not meet full-time status required for veterans, Social Security, financial aid or athletic eligibility. All other college policies apply including registration, tuition payment, refunds, and attendance. If you decide to change your status from audit to credit or credit to audit, notify your instructor prior to the end of the sixth week of the term.

If you are a financial aid student, please notify the Financial Aid Office if you change from a credit to an audit or receive an audit grade. You may be required to pay back funds. Audit classes do not qualify for financial aid.

Variable Credit

Some courses are eligible for variable credit. These courses are noted in the Schedule of Classes with a "V" in the credit column. This option allows you to pursue an individualized learning program. You must register for the number of credits you expect to earn in that term as determined with your instructor. Changes to variable credit must be processed through registration by the end of the 10th week of the term.

Wait List

Some CCC classes utilize a wait list option. If the class you want to register for is full and it has a wait list:

- Add your name to the wait list via myClackamas or in person.
- When a spot opens up, you will receive an email in your @student.clackamas.edu email. You will have 48 hours to respond to the email.
- To add the class, go to "Manage my wait list" within myClackamas to register.
- You are responsible academically and financially if you no longer want to be in the class and don't drop it.

The following conditions may affect your eligibility for wait list placement:

- Wait list capacity has been met.
- There is a "hold" on your student record that restricts registration.
- There are course restrictions in place such as "instructor consent."
- You are already enrolled in another section of the same course.
- There is a time conflict with the course you have selected.
- You have reached the maximum number of credits allowed (18) without additional authorization.
- Class has already begun.

FERPA

Directory information about your student record may be released without your permission under the Family Educational Rights & Privacy Act (FERPA). CCC will release the following directory information:

- Full name
- Enrollment status
- Enrollment dates
- Verification of certificate, degree, or honors and awards
- Residency status
- Major/program
- Athletic participation

No other information will be released without your permission. If you have questions regarding FERPA, please contact Registration & Records, 503-594-6074 or go to our website: www.clackamas.edu



Student Right to Know and Other Notification Requirements

Clackamas Community College information regarding academic programs, student completion/graduation rates, financial assistance, athletics, institutional financial support, privacy rights (FERPA), campus security, crime statistics and other Student Right to Know items may be obtained by viewing our annual college catalog or by going to www.clackamas.edu.



Clackamas Community College is accredited by the Northwest Commission on Colleges and Universities.

Accreditation of an institution of higher education by the Northwest Commission on Colleges and Universities indicates that it meets or exceeds criteria for the assessment of institutional quality evaluated through a peer review process. An accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the Northwest Commission on Colleges and Universities is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding an institution's accredited status by the Northwest Commission on Colleges and Universities should be directed to the administrative staff of the institution. Individuals may also contact:

Northwest Commission on Colleges and Universities
8060 165th Avenue N.E., Suite 100
Redmond, WA 98052
(425) 558-4224
www.nwccu.org

HOURS CCC Oregon City Campus

ALL CAMPUSES CLOSED

June 19 Juneteenth July 4 Independence Day, September 2 Labor Day

Most student services are available during their regular business hours through video conference, phone and email. For the most up-to-date information, visit www.clackamas.edu/hours.

BARLOW HALL

ITS – Information Technology Services

June 19-Sept. 7 M-Th 7:30 a.m.-5 p.m.

DYE LEARNING CENTER

Academic Computing Lab

Limited on-campus computers available for student use, see website for specific days and times.

www.clackamas.edu/tutoring/

Library

Open in person and online. For research help, visiting hours, and access to articles, books, streaming video, and more, go to library.clackamas.edu

Writing Center, Math Lab and Other Tutoring Services

Limited on-campus and online tutoring available, see website for specific days and times.

www.clackamas.edu/tutoring/

Cougar Connect Tech Help Desk / Moodle Help

On-campus technology help is available during regular business hours; visit the [Cougar Connect Tech Help Desk](#) for specific days and times.

For virtual technology help, visit <https://www.clackamas.edu/cougarconnect> or call 503-594-6632 during regular business hours. For after hours, weekend, or bilingual support, visit online.clackamas.edu (see *Academic Support and Essentials > Moodle Help > Extended Support*).

McLOUGHLIN HALL

Bookstore

Open Monday-Friday, please check the website at <https://clackamascbookstore.com> for the current days and times.

Textbook Buyback & Rental Check-In

Rental Return Due Date - Sept. 6, 2024

PAULING CENTER

Workforce Development Services

June 19-Sept. 7 M-Th 8 a.m.-5 p.m.

RANDALL HALL

Fitness Center

(Hours vary, please check door for posted hours)

STREETER HALL

Open Computing Lab

Limited on-campus computers available for student use, see website for specific days and times.

www.clackamas.edu/tutoring/

WACHENO WELCOME CENTER

Academic Advising & Career Services

Office Hours	M/T/Th	9 a.m.-4 p.m.
	W	10 a.m.-4 p.m.
Remote working hours	M-Th	8 a.m.-5 p.m.

Counseling Services

Telehealth and in-person appointments available, contact counseling@clackamas.edu or call 503-594-3176.

Office Hours	T,W,Th	9 a.m.-4 p.m.
Remote working hours	T,W,Th	8 a.m.-5 p.m.

Disability Resource Center

Office Hours	M-Th	9 a.m.-4 p.m.
Remote working hours	M-Th	8 a.m.-5 p.m.

Enrollment Services & Graduation Services

Office Hours	M-Th	9 a.m.-4 p.m.
Remote working hours	M-Th	8 a.m.-5 p.m.

Financial Aid Resource Lab

Available	M-Th	10 a.m.-1 p.m. or by appt.
Drop-In Zoom hours:	MW	11 a.m.-2 p.m.

Financial Aid & Scholarships

Office Hours	M-Th	9 a.m.-4 p.m.
Remote working hours	M-Th	8 a.m.-5 p.m.

Student Life & Leadership

Office Hours	M-Th	9 a.m.-4 p.m.
Remote working hours	M-Th	8 a.m.-5 p.m.

Testing & Assessment Center

(Call 503-594-3283 for specific test times)

Veterans Education and Training Center

Office Hours	M-Th	9 a.m.-4 p.m.
Remote working hours	M-Th	8 a.m.-5 p.m.

WHERE TO FIND FOOD

Cafeteria: Cougar Café, Wacheno Welcome Center, hours vary. The café features grill items such as burgers and fries. In addition, vending machines offer fresh-food options as well as convenience items.

Bookstore, McLoughlin Hall, offers a variety of grab-and-go food selections as well as convenience items and beverages, including coffee. A microwave is available in the store to heat food.

Vending machines in various other locations across campus will provide additional snacks.

CCC BOOKSTORES

Oregon City campus – in McLoughlin Hall, ground floor
503-594-6500

IN-STORE CUSTOMERS

Payment types:

- Cash
- Debit / credit
- Financial Aid – 3rd Party Account or Student Account

ONLINE ORDERS can be shipped out (for a fee) or held for customer pick-up. Credit card payment required at time of order. Email notifications will be sent when order is shipped or is ready to be picked up.

Summer 2024 dates to remember:

Textbook sales begin online and in-store – June 1, 2024
Last day for textbook refunds – June 27, 2024 without drop; July 18, 2024 with proof of drop
Rental books due back – Sept. 6, 2024

For campus maps, store hours, shipping costs, refund/returns policies and ordering details, see <http://clackamasccbookstore.com> or call the bookstore at 503-594-6500. We will be happy to answer your questions personally!

Low-Cost Texts

Low-cost text (LCT) course sections use textbooks and/or other course materials that have a minimal cost. The total cost of textbooks and/or materials* in every low-cost course will be less than \$40. Identify CCC's low-cost courses by looking for the **LCT** icon.

**Included in the cost calculations are: required textbooks and other text-based materials, workbooks, lab manuals, online homework software (e.g. mymathlab), and codes or publisher-provided curricular materials for students. Printing costs are not included, unless a printed version is required for the course. Excluded from the cost calculations are: art supplies, calculators, software, course and student fees or equipment, and optional costs.*

DISCLAIMER: Clackamas Community College makes every effort that the low-cost sections identified in this printed schedule are accurate at the time of publication. However, review the online schedule or contact the course instructor for the most up-to-date information on textbook and material costs.

College Closure Information



ANNOUNCEMENTS

In the event of hazardous weather or other emergencies, the following will carry school schedule changes and college closure information:

- Clackamas website, www.clackamas.edu
- Local radio and television broadcasts and websites
- Recorded phone message on the college's main number: 503-594-6000
- Facebook, [Facebook.com/ClackamasCommCollege](https://www.facebook.com/ClackamasCommCollege)

COLLEGE CLOSURE LOCATIONS

In the event that the college is closed due to adverse weather conditions, all college campuses and centers will close. In the event of a non-weather related emergency closure (e.g., loss of electricity), only the affected campus will close.

COLLEGE CLOSURE TIMES

Emergency closures due to hazardous weather or other emergencies:

Day Closure – Offices are closed and classes are canceled unless exceptions are announced. Shuttle service is also canceled.

Late Opening – The college will open at 10 a.m. All classes, events and activities on all CCC campuses are canceled until 10 a.m.

Early Closure – All classes, activities and events starting at or after 4 p.m. will be canceled on all campuses. Campuses will remain open until 5 p.m. Shuttles will not run after 5 p.m.

CLOSURES DURING FINAL WEEK

One day closure during final week:

Monday, Tuesday and/or Wednesday daytime finals will be rescheduled for Thursday during the same time period as originally scheduled.

Second day closure during final week:

Finals will be rescheduled for Friday during the same time period as originally scheduled.

Evening closure during final week:

Finals will be rescheduled for Friday evening during the same time period as originally scheduled.

Note: These are general guidelines. Exceptions may occur.

EMERGENCY NOTIFICATIONS

CCC students are automatically enrolled in Clackamas Community College's phone, text message and email emergency notification system – Rave Alert.

The Rave Alert system will NOT charge fees, however standard or other messaging charges apply depending on wireless carrier plan and subscription details.

FACULTY ADVISORS

Undecided or need more information
about your program of study?

Faculty advisors have the answers.

PROGRAM	ADVISOR	PHONE	ROOM	EMAIL
Accounting	Joan San-Claire	503-594-3013	S124	joan.san-claire@clackamas.edu
Administrative Assistant/Professional	Beverly Forney	503-594-3115	S129	beverlyf@clackamas.edu
Adult High School Diploma	Lisa Nielson	503-594-3401	D144	lisan@clackamas.edu
Anthropology	Keely Baca	503-594-3409	M223	keely.baca@clackamas.edu
Apprenticeship	Katelyn Karch	503-594-6201	T128	kkarch@clackamas.edu
Arboriculture	Chris Konieczka	503-594-6213	C124	chrisk@clackamas.edu
Art	Nora Brodnicki	503-594-3036	AC106	norab@clackamas.edu
Automotive	Dustin Bates	503-594-3973	B259	dustinb@clackamas.edu
Business Administration	Sharon Parker	503-594-3075	S123	sharonp@clackamas.edu
Career Technical Education Licensure Prep.	Megan Helzerman	503-594-0976	F108c	meganh@clackamas.edu
Clinical Lab Assistant/Phlebotomy	Marilyn Braught	503-594-0634	H350	marilyn.braught@clackamas.edu
Communications/Speech	Kerrie Hughes	503-594-3155	N137	karrieh@clackamas.edu
Computer Science: Transfer	Rich Albers	503-594-3166	S126	richa@clackamas.edu
Computer Science: Application Support & Web Design	Debra Carino	503-594-3170	S125	dcarino@clackamas.edu
Computer Science: Network Administration	Rick Carino	503-594-3167	S179	rcarino@clackamas.edu
Computer Science: Transfer	Jen Miller	503-594-3138	S127	jen.miller@clackamas.edu
Criminal Justice/Corrections	Joanna Crawford	503-594-6229	HW315	joanna.crawford@clackamas.edu
Customized Training & Development Services	Staff	503-594-3200	P104	training@clackamas.edu
Dental Assistant	Kari Hiatt	503-594-0674	H385	kari.hiatt@clackamas.edu
Digital Media Communications	Nora Brodnicki	503-594-3036	AC106	norab@clackamas.edu
Early Childhood Education	Dawn Hendricks	503-594-6158	F116	dawn.hendricks@clackamas.edu
Economics	Derek Lougee	503-594-3408	M213	derek.lougee@clackamas.edu
Education	Laurette Scott	503-594-3840	F115	laurette@clackamas.edu
Educación Infantil y Estudios Familiares	Ada Echevarria	503-594-1828	F112	ada.echevarria@clackamas.edu
Electronics and Microelectronics	Mike Mattson	503-594-3322	I217I	mattsonm@clackamas.edu
Emergency Medical Technology	Tana Sawzak	503-594-6025	H382	tanas@clackamas.edu
Engineering	Eric Lee	503-594-6163	DJ212	elee@clackamas.edu
Engineering	Matt LaForce	503-594-3148	DJ210	laforce@clackamas.edu
English	Amanda Coffey	503-594-3257	RR242	amandac@clackamas.edu
English for Speakers of Other Languages	Laura Joyce	503-594-3718	D146	lauraj@clackamas.edu
Environmental Safety and Health	Mike Mattson	503-594-3322	I217I	mattsonm@clackamas.edu
Fire Science	Jordan Gully	503-594-3683	C141	wildlandfire@clackamas.edu
GED/ABE	Lisa Nielson	503-594-3401	D144	lisan@clackamas.edu
Geography	Derek Lougee	503-594-3408	M213	derek.lougee@clackamas.edu
Gerontology	Yvonne Smith	503-594-3207	HW315	yvones@clackamas.edu
GIS	Angela Armen	503-594-3678	M223	angela.armen@clackamas.edu
History	Jackie Flowers	503-594-3405	M217	jackief@clackamas.edu
Horticulture	Chris Konieczka	503-594-6213	C124	chrisk@clackamas.edu
Human Resource Management	Michael Moiso	503-594-3770	S128	mmoiso@clackamas.edu
Human Services	Yvonne Smith	503-594-3207	F119	yvones@clackamas.edu
Humanities	Derek Lougee	503-594-3408	M213	derek.lougee@clackamas.edu
Humanities	Amanda Coffey	503-594-3257	RR237	amandac@clackamas.edu
Industrial Technology	Mike Mattson	503-594-3322	I217I	mattsonm@clackamas.edu
Journalism	Melissa Jones	503-594-3261	RR132	melissaj@clackamas.edu
Landscape	Chris Konieczka	503-594-6213	C124	chrisk@clackamas.edu
Management	Sharon Parker	503-594-3075	S123	sharonp@clackamas.edu
Marketing	Beverly Forney	503-594-3115	S129	beverlyf@clackamas.edu
Math	Kelly Mercer	503-594-6154	S102	kelly.mercer@clackamas.edu
Medical Assistant	Sarah Parker	503-594-6497	H381	sarah.parker@clackamas.edu
Music	Lars Campbell	503-594-3384	N131	lars.campbell@clackamas.edu
Music Technology	David Badstubner	503-594-6368	N131	david.badstubner@clackamas.edu
Nursing	Carol Dodson	503-594-0654	H280	carold@clackamas.edu
Organic Farming	Chris Konieczka	503-594-6213	C124	chrisk@clackamas.edu
Philosophy	Derek Lougee	503-594-3408	M213	derek.lougee@clackamas.edu
Physical Education/Health	Jim Martineau	503-594-3271	R101c	jmartineau@clackamas.edu
Political Science	Derek Lougee	503-594-3408	M213	derek.lougee@clackamas.edu
Pre-Professional (medical, dental, pharmacy)	Eden Francis	503-594-3352	P124k	edenf@clackamas.edu
Project Management	Frank Corona	503-594-6498	S130	francisco.corona@clackamas.edu
Psychology	Jessica Kissler	503-594-6625	M210	jessica.kissler@clackamas.edu
Religion	Derek Lougee	503-594-3408	M213	derek.lougee@clackamas.edu
Reading/Study Skills	Lisa Nielson	503-594-3401	D144	lisan@clackamas.edu
Renewable Energy	Mike Mattson	503-594-3322	I217I	mattsonm@clackamas.edu
Retail Management	Beverly Forney	503-594-3115	S129	beverlyf@clackamas.edu
Science	Kelly Mercer	503-594-6154	S102	kelly.mercer@clackamas.edu
Search and Rescue	Matt Adams	503-594-3677	T125	matt.adams@clackamas.edu
Skills Development	Lisa Nielson	503-594-3401	D144	lisan@clackamas.edu
Small Business Development Center	Rob Campbell	503-594-0733	HW160E	bizcenter@clackamas.edu
Social Science	Derek Lougee	503-594-3408	M213	derek.lougee@clackamas.edu
Sociology	Erich Pfeifer	503-594-3802	M225	erichp@clackamas.edu
Theatre Arts	Chris Whitten	503-594-3153	N152	cwhitten@clackamas.edu
Undecided Major of Study	Student Support Services	503-594-3475	WC	advising@clackamas.edu
Uncrewed Aircraft Systems	Angela Armen	503-594-3678	M223	angela.armen@clackamas.edu
Water & Environmental Technology	Matt LaForce	503-594-3148	DJ210	laforce@clackamas.edu
Water & Environmental Technology	Jim Nurmi	503-594-3813	DJ211	jamesn@clackamas.edu
Welding	Dustin Bates	503-594-3973	B259	dustinb@clackamas.edu
Women's Studies	Derek Lougee	503-594-3408	M213	derek.lougee@clackamas.edu
World Languages	Ernesto Hernandez	503-594-3710	M245	ernesto.hernandez@clackamas.edu

WHERE TO CALL

CCC'S MAIN PHONE NUMBER IS 503-594-6000.

BLDG.* DEPARTMENT/OFFICE PHONE

ABE/GED

D	Oregon City	503-594-3027
H	Harmony	503-594-3027
D	Adult High School Diploma – Oregon City	503-594-3027

Academic Advising

WC	Oregon City	503-594-3475
H	Harmony	503-594-0623
W	Wilsonville	503-594-0959

Bookstore

M	Bookstore – Oregon City	503-594-6500
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Testing/Assessment Center

WC	Oregon City	503-594-3283
H	Harmony	503-594-0636
W	Wilsonville	503-594-0940

B	Account Receivable	503-594-6068
WC	Admissions & Recruitment/Welcome Center	503-594-3284
WC	Advanced College Credit	503-594-3161
T	Apprenticeship	503-594-3031
C	Arboriculture	503-594-3292
AC	Art	503-594-3034
WC	Associated Student Government	503-594-3040
R	Athletics	503-594-3043
B	Automotive	503-594-3047
S	Business	503-594-3071
HW	Business Development Center	503-594-0738
B	Business Office	503-594-3085
WC	Cafeteria	503-594-6091
WC	Campus Tours	503-594-6249
WC	Career Center	503-594-6001
I	Career Technical Education	503-594-3441
F	Child Care Center	503-657-9795
	Child Care Info & Referral	503-253-5000
P	The Clackamas Print Newspaper	503-594-3261
M	College Safety Office	503-594-6650
N	Communication Studies	503-594-6489
H	Community Education	503-594-0627
	Community Garden	503-594-3040
D	Computer Lab (Academic)	503-594-6632
S	Computer Lab (Open)	503-594-6632
S	Computer Science	503-594-3071
WC	Cooperative Work Experience	503-594-3511
D	Cougar Connect Desk	503-594-6632
WC	Counseling	503-594-3176
HW	Criminal Justice/Corrections	503-594-3203
P	Customized Training & Development	503-594-3200
AC	Digital Media Communications	503-594-3034
WC	Disability Resource Center	503-594-6357
F	Education and Early Childhood Education	503-594-3203
I	Electronics & Microelectronics	503-594-3318
T	Emergency Management	503-594-3539
DJ	Engineering	503-594-3345

BLDG.* DEPARTMENT/OFFICE PHONE

RR	English	503-594-3254
D	English for Speakers of Other Languages	503-594-3234
WC	Enrollment Services	503-594-6074
ELC	Environmental Learning Center	503-594-3015
B	Environmental Safety & Health	503-594-3322
G	Facility Scheduling-Oregon City	503-594-3308
H	Facility Scheduling-Harmony	503-594-0620
W	Facility Scheduling-Wilsonville	503-594-0970
WC	Financial Aid and Scholarship Office	503-594-6082
T	Fire Science (Wildland Fire)	503-594-3539
HW	Gerontology	503-594-3203
T	GIS	503-594-6495
WC	Graduation Services	503-594-6651
R	Gym	503-594-3043
H	Harmony Campus Registration/Information	503-594-0620
H	Health Sciences	503-594-0650
WC	High School Connections	503-594-3161
C	Horticulture	503-594-3292
B	Human Resources/Employment Opportunity	503-594-3458
F	Human Services	503-594-3203
I	Industrial Technology	503-594-3318
B	Instructional Media Services	503-594-3500
C	Landscape	503-594-3292
D	Learning Center	503-594-6191
D	Library - Circulation	503-594-6323
D	Library - Reference	503-594-6042
WC	Life & Career Options	503-594-3176
S	Math	503-594-3395
D	Moodle Help	503-594-6632
N	Music	503-594-3337
H	Nursing	503-594-0650
WC	Office of Education Partnerships	503-594-3161
C	Organic Farming	503-594-3292
S	Online Learning & Educational Technology	503-594-6618
P	Pauling Center Gallery	503-594-3034
R	Physical Education	503-594-3271
RR	President's Office	503-594-3002
WC	Registration and Records	503-594-6074
I	Renewable Energy Technology	503-594-3318
DJ	Science	503-594-3345
D	Skills Development	503-594-3233
M	Social Science	503-594-3403
WC	Student Life & Leadership	503-594-3040
WC	Student Support Services	503-594-3475
N	Theater/Performing Arts	503-594-3153
D	Tutoring Services	503-594-6191
WC	Veterans Educational Benefits	503-594-3438
WC	Veterans Education & Training Center	503-594-3438
RR	Vice President, College Services	503-594-3010
RR	Vice President, Instructional & Student Services	503-594-3020
DJ	Water & Environmental Technology	503-594-3345
T	Welding	503-594-3046
W	Wilsonville Registration/Information	503-594-0940
P	Workforce Development Services	503-594-6246
M	World Languages	503-594-3403
D	Writing Center	503-594-6275

* Find building code key on the campus map on the back cover of this schedule.

COLLEGE SAFETY

In an emergency or life-threatening situation, dial **911** from any phone.
College Safety Office dispatch call **503-594-6650**.



SERVICES FOR STUDENTS



We've got you covered.

The Student Life & Leadership Office in Room 160 of the Wacheno Welcome Center offers lots of services to help you.

Free Food Pantry: A free pantry that offers food and toiletries for students. Donations accepted! For more information, visit our website: <https://www.clackamas.edu/campus-life/campuses-buildings-hours/free-food-pantry>.

Grants: There are grants available for child care, textbooks, fees, transportation and veterans gas cards and course materials. Grants are awarded each term to students who have demonstrated need. Fill out an application online at www.clackamas.edu/asg/grants.

Clubs: Do you have a special interest? Want to meet new people? CCC offers many clubs for students. Find out more in Student Life & Leadership.

Lost & Found: Located in the Student Government office in WC 160.

Fax & Phone: Fax service is available to students in the Student Life Office. There is also a phone you can use, free of charge, in the Wacheno Welcome Center.

Register to Vote: It's simple and fast. Voter registration links for Oregon and Washington available on the Student Government webpage: www.clackamas.edu/ASG



TRANSPORTATION OPTIONS

Save money on your CCC commute!

Clackamas Community College connects students with a variety of transportation resources including fare assistance, ClackCo free shuttle service, carpooling matching, and multiple bus options.

The latest information and additional details can be found at www.clackamas.edu/transportation.

CLACKAMAS COUNTY CONNECTS FREE SHUTTLES

Free shuttles in Oregon City, Clackamas Town Center/Harmony, Clackamas Industrial Area, and Estacada. Shuttle routes can be found at <https://www.clackamas.us/h3s/connects-shuttle>

CARPOOL MATCHING SERVICE

Find a carpool partner at GetThereOregon.org. Sign up using your @student.clackamas.edu email address.

PUBLIC TRANSPORTATION

Clackamas Community College is serviced by a number of bus lines. Plan your trip on Google Maps.

NEAR CLACKAMAS TOWN CENTER?

Ride the CCC Xpress or Clackamas Industrial Area Shuttles. Plan your route at <https://rideclackamas.org>.



DRIVE?

Find a carpool partner at GetThereOregon.org.



RIDE THE BUS?

CCC has partnered with TriMet to provide reduced or free TriMet fares. Email transportation@clackamas.edu or go to the Wacheno Welcome Center for more info.



#ClackCo

CONNECTS

CCC Xpress

Southbound

A	Clackamas Town Center	5:55	7:15	8:35	9:55	11:55	1:15	2:35	3:55	5:55	7:15
B	CCC Harmony Campus	6:05	7:25	8:45	10:05	12:05	1:25	2:45	4:05	6:05	7:25
C	Oregon City Transit Center	6:25	7:45	9:05	10:25	12:25	1:45	3:05	4:25	6:25	7:45
D	Clairmont Dr. CCC Campus	6:40	8:00	9:20	10:40	12:40	2:00	3:20	4:40	6:40	8:00

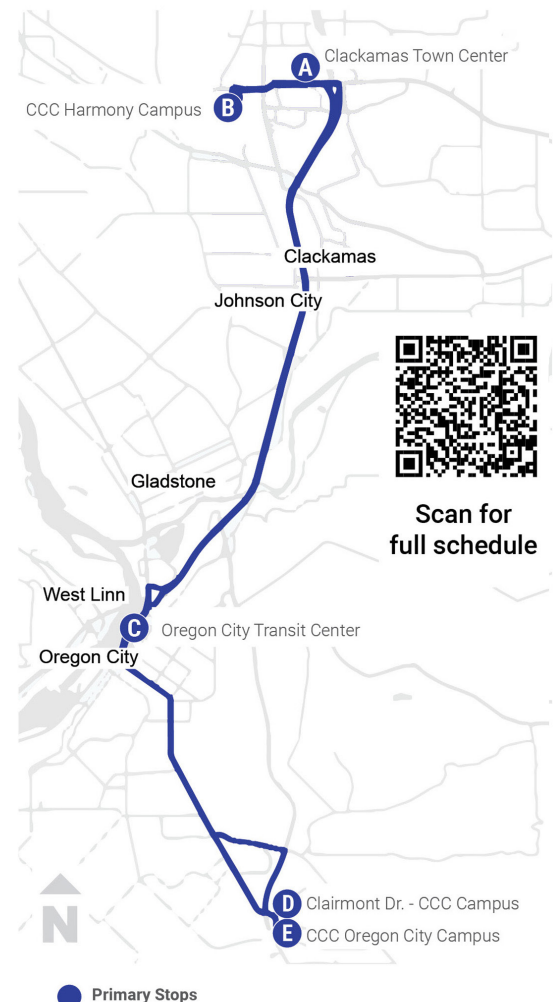
Northbound

E	CCC Oregon City Campus	6:45	8:05	9:25	10:45	12:45	2:05	3:25	4:45	6:45	8:05
B	CCC Harmony Campus	7:00	8:20	9:40	11:00	1:00	2:20	3:40	5:00	7:00	8:20
A	Clackamas Town Center	7:10	8:30	9:50	11:10	1:10	2:30	3:50	5:10	7:10	8:30

The CCC Xpress Shuttle is a **free** "deviated fix-route" service. Can't make it to the main bus stop or route? **Call 24 hours in advance** to make arrangements and check availability to be picked up or dropped off within 3/4 mile from the route or in the deviation zone. You may also signal/flag the bus to get on or off the bus in-between stops.

The CCC Xpress Shuttle operates 7 days a week. The Clackamas Industrial Area Shuttle does not operate on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, or Christmas Day.

Schedule Times in **Bold** = PM





Clackamas Community College OREGON CITY CAMPUS

Having difficulty finding parking?

Although it may be tempting to park in no-parking or handicapped spaces, parking citations are issued and vehicles are subject to towing and storage fees.

Students with disabilities should pick up a state application form from the Department of Motor Vehicles.



BUILDING CODES and SERVICES

Art Center (AC)

Barlow Hall (B)
• Human Resources

Clairmont Hall (C)

DeJardin Hall (DJ)

Dye Learning Resource Center (D)

- Academic Computer Lab
- Library
- Moodle Help
- Tutoring

Environmental Learning Center (ELC)

Family Resource Center (F)

- Child Development Center

Gregory Forum (G)

Holden Industrial Technology Center (I)

Lewelling (L)

- Campus Services
- Shipping & Receiving

McLoughlin Hall (M)

- Bookstore
- College Safety

Niemeyer Center (N)

- Alexander Art Gallery
- Osterman Theatre

Pauling Center (P)

- Connections with Business and Industry
- Workforce Services

Randall Hall (R)

- Athletics Center

Roger Rook Hall (RR)

- Foundation
- President's Office

Streeter Hall (S)

- Online Learning & Educational Technology

Training Center (T)

Wacheno Welcome Center (WC)

- Admissions Center
- Advising
- Career Services
- Cougar Café
- Disability Resource Center
- Education Partnerships
- Financial Aid
- Multicultural Center
- Registration/Records
- Student Accounts
- Student Government
- Testing Center
- VET Center

CCC CAMPUS SITES

CCC at Harmony Community Campus

7738 SE Harmony Road
Milwaukie, OR 97222

CCC Oregon City

19600 Molalla Ave.
Oregon City, OR 97045

CCC Wilsonville Campus

29353 SW Town Center Loop E
Wilsonville, OR 97070