

A WORLD OF LEARNING

CHEMEKETA COMMUNITY COLLEGE 94 - 95 CATALOG



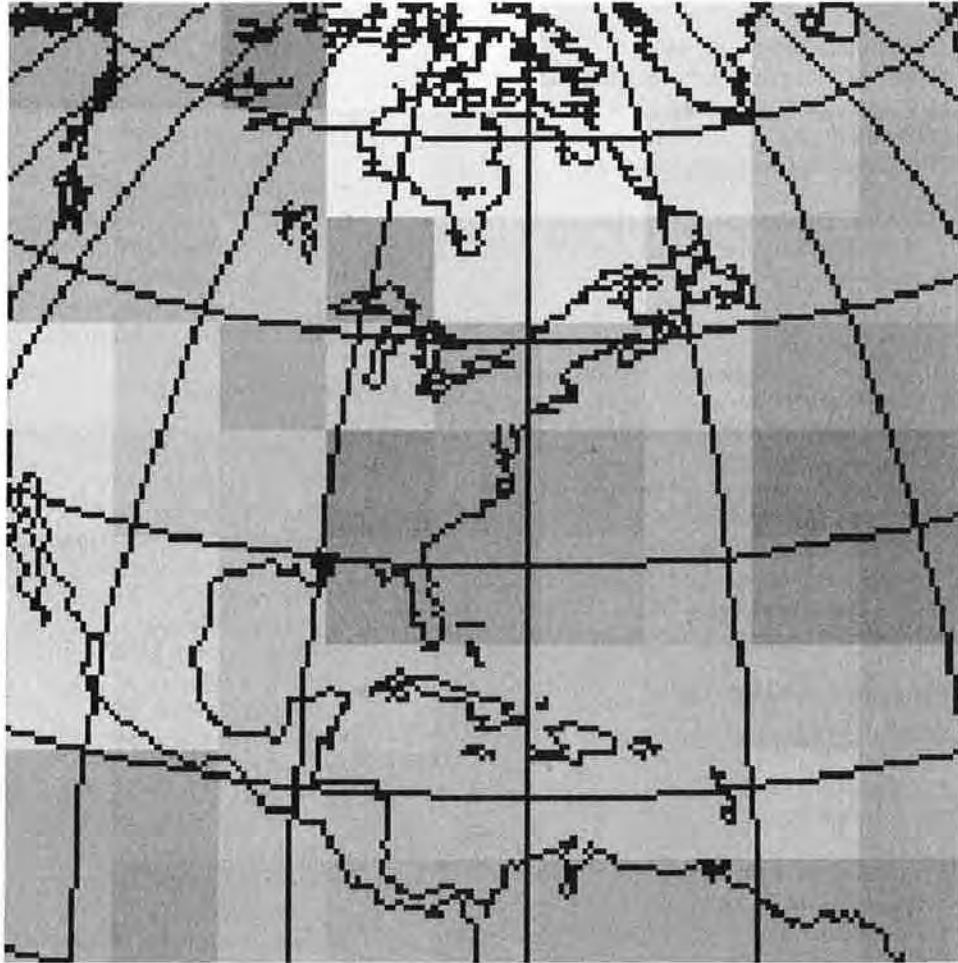


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CHEMEKETA COMMUNITY COLLEGE

4000 Lancaster Drive NE, P.O. Box 14007, Salem, Oregon 97309
Chemeketa Community College is an equal opportunity, affirmative action institution.

CONFIDENTIAL STUDENT IDENTIFICATION NUMBER:
Providing your Social Security number is voluntary. If you provide it, the college will use your Social Security number for keeping records, doing research, and reporting. The college will not use your number to make any decision directly affecting you or any other person. Your Social Security number will not be given to the general public. If you choose not to provide your Social Security number, you will not be denied any rights as a student. Please read the statement on Page 14 of this catalog which describes how your number will be used. Providing your Social Security number means that you consent to use of the number in the manner prescribed. Contact the Admissions Office for additional information.

STUDENT RECORD/ADMISSION FORM

To apply for admission, fill out this form and return or mail it to the Admissions Office, Building 22, Room 110, Salem Campus (address at left). Contact the Admissions Office, (503) 399-5006, for information on limited enrollment programs, admission requirements for specific programs, or for the status of your application. Students taking six or more credit hours must take a free placement test before they apply. Contact the Advising and Counseling Center, Building 2, or (503) 399-5120 for information.

PLEASE PRINT

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Social Security Number

Name _____
Last First Initial (Previous Name)

Mailing Address _____ City _____
Number Street

State _____ Zip _____ County _____ Phone (Day) _____ (Eve) _____

How long have you lived in Oregon? _____ Date of birth _____ Age _____ Sex Female Male
Month Day Year

Citizen or Permanent resident of what country? (USA, Germany, Palau, etc.) _____ Alien No. _____

Are you a US veteran? Yes No

I have (not) completed high school as follows (check one):

- N-Did not complete high school
- S-Still in high school
- H-High school graduate
- G-GED
- D-Alternative high school diploma
- I-Certificate of Initial Mastery (CIM)
- A-Certificate of Advanced Mastery (CAM)
- E-External diploma program
- T-Attendance completion
- P-Proficiency exam

I have (not) completed college as follows (check one):

- 0-Have not completed college
- 1-Short-term training, private vocational school award, or other
- 2-One-year certificate from a community college
- 3-Associate degree
- 4-Bachelor's degree
- 5-Master's degree
- 6-Doctorate or professional degree (e.g., MD, LLD)

Name of last high school and any colleges attended	City	State	Last year attended

I am applying for: (enter curriculum code from back) _____

I plan to start at CCC: (check one) Fall (Sept.) Winter (Jan.) Spring (March) Summer (June)

I plan to register for (check one): non-credit only 1-5 credits 6-11 credits 12 or more credits

To assist the college in complying with federal requirements and in providing needed services, you are urged to supply the following information voluntarily. This information is confidential. (Check one):

1. White, Non-Hispanic 2. Black, Non-Hispanic 3. Hispanic 4. American Indian or Alaska native 5. Asian or Pacific Islander

Chemeketa Community College releases only very limited information regarding students, including enrollment status, dates of enrollment, degree or certificate awarded, athletic statistics, and honors awarded. If you do **NOT** want any person outside of the college, including prospective employers, to know any of this information, please check here:

In case of emergency notify:

Name _____ Address _____ Phone _____

I certify that all statements on this application are complete and true. I also understand that if I am admitted and do not enroll for the term to which I am admitted I will need to reapply for admission. **Please note:** No submitted materials will be returned and/or duplicated.

Signature _____ Date _____

PROGRAM CHOICES

Select one of the following programs of study:

NON-CREDIT ONLY

Use only if all courses are non-credit (900)
Do not use for auditing courses

High School Completion (06B)

PROFESSIONAL-TECHNICAL PROGRAMS

- Accounting (025)
- Automotive Technician (129)
- Auto Parts Sales (668)
- Banking and Finance - One Year Option (546)
- Banking and Finance - Two Year Option (545)
- * Building Inspection - One Year Option (63A)
- * Building Inspection - Two Year Option (63B)
- Civil-Structural Engineering (110)
- Computer-Aided Design/Computer-Aided Manufacturing (151)
- Computer Electronics Technology (123)
- Computer Programming (032)
- Computer Programming - Microcomputer Support Specialist (038)
- * Construction Technology (70C)
- Criminal Justice (044)
- * Dental Assisting (08E)
- Drafting Technology - CAD (142)
- Early Childhood Education (060)
- Electronic Engineering Technology (120)
- * Emergency Medical Technology (60T)
- Fire Prevention/Insurance Risk Inspection (57P)
- * Fire Suppression (05F)
- Forest Resources Technology (057)
- * Health Care Support Services - Claims Analyst/Medical Biller (70M)
- * Health Care Support Services - Health Information Technician (09W)
- * Health Care Support Services - Health Services Management (09V)
- * Health Care Support Services - Medical Office Assistant (08M)
- * Health Care Support Services - Medical Receptionist/Clerk (70R)
- * Health Care Support Services - Medical Transcriptionist (09U)
- Hospitality Systems Management (624)
- * Human Services - Alcohol/Drugs (09A)
- * Human Services - Gerontology (09G)
- * Human Services - Social Services (09S)
- Industrial Electronics (126)
- Industrial Technology (160)
- * Instructional Assistant - Multicultural/English as a Second Language (16M)
- * Instructional Assistant - Kindergarten/Primary (16K)
- * Instructional Assistant - Upper Elementary/Middle School (16U)
- * Instructional Assistant - Senior High School/Adult (16S)
- * Instructional Assistant - Special Education (16X)
- * Instructional Assistant - Vocational/Technical (16V)
- Management (026)
- Manufacturing Operations (148)
- Manufacturing Technology (147)
- Mechanical Design (143)
- * Nursing (08N)
 - Pre-Nursing (291)
- Occupational Skills Training (705)
- Office Administration and Technology - Engineering Option (520)
- Office Administration and Technology - Executive Option (528)
- Office Administration and Technology - Information Processing (532)
- Office Administration and Technology - Legal Option (514)
- Office Administration and Technology - Medical Option (529)
- Office Administration and Technology - Office Accounting (525)
- Office Administration and Technology - One Year Option (523)
- Office Administration and Technology - Short Term Option (502)
- Professional-Technical Teacher Preparation (16P)
- Real Estate (040)
- Survey Technology (638)
- Travel Agency Operations (706)
- * Visual Communications (145)
- Welding (137)
- Welding Fabrication (136)

LOWER DIVISION COURSES OF STUDY WHICH MAY BE TRANSFERRED TO OREGON'S FOUR-YEAR COLLEGES AND UNIVERSITIES

LDC-Business (210)

- Accounting
- ** Business Administration

LDC-Computer Sciences (320)

- ** Computer Science

LDC-Education (220)

- ** Elementary
- ** Secondary

LDC-Engineering (330)

- ** Engineering

LDC-Forestry (340)

- ** Forestry

LDC-General Studies (280)

- ** Exploratory
- ** General Studies
- Undecided Majors

LDC-Health (275)

- Community Health
- ** Health Education
- ** Nursing

LDC-Home Economics (240)

- Child Development
- ** Home Economics

LDC-Hotel, Restaurant, And Resort Management (350)

- ** Hotel, Restaurant, and Tourism Management

LDC-Humanities (230)

- Architecture
- ** Art
- ** English
- ** Foreign Languages
- ** Journalism
- Literature
- ** Music
- ** Philosophy
- ** Speech
- ** Theater

LDC-Mathematics (310)

- ** Mathematics

LDC-Physical Education/Human Movement Studies (270)

- ** Physical Education

LDC-Science (300)

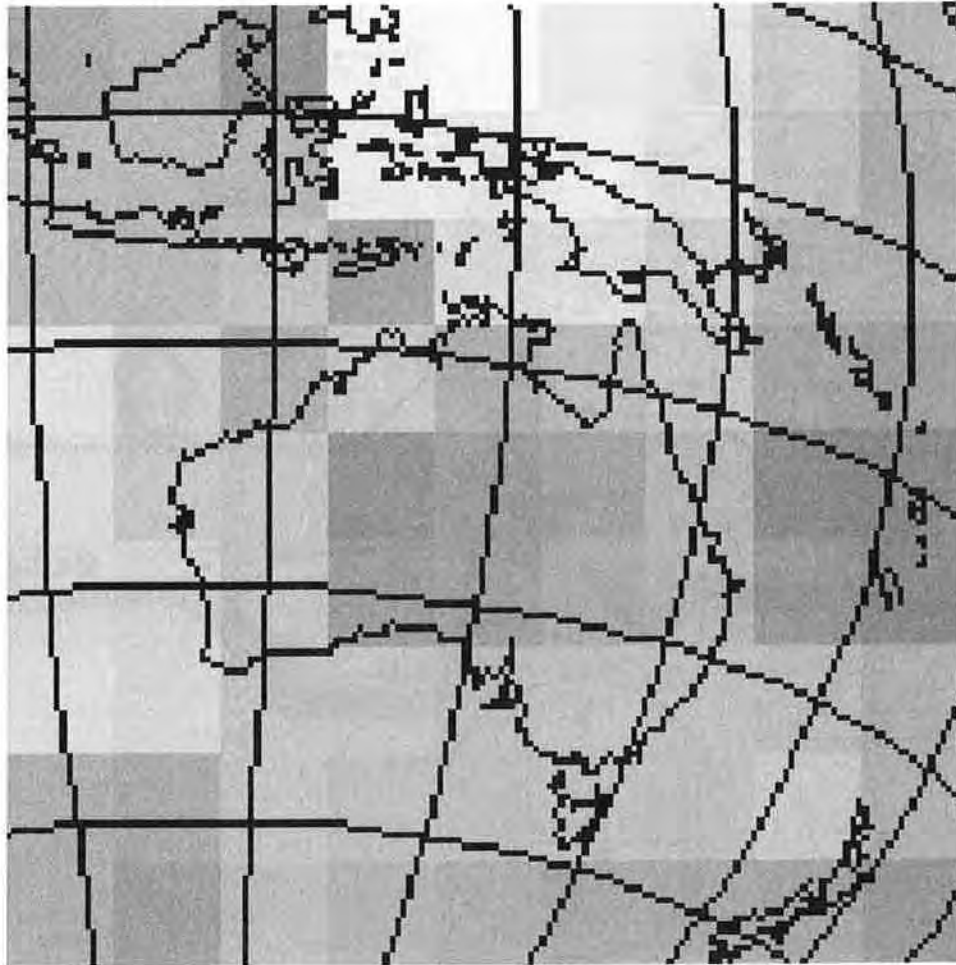
- ** Agriculture
- ** Biology
- ** Chemistry
- ** Chiropractic
- ** Dental Hygiene
- Entomology
- ** Geology
- Horticulture
- ** Oceanography
- Physical Science
- ** Physics
- ** Pre-Professional Study
(Medicine, Dentistry, and Veterinary Medicine)
- ** Zoology

LDC-Social Sciences (260)

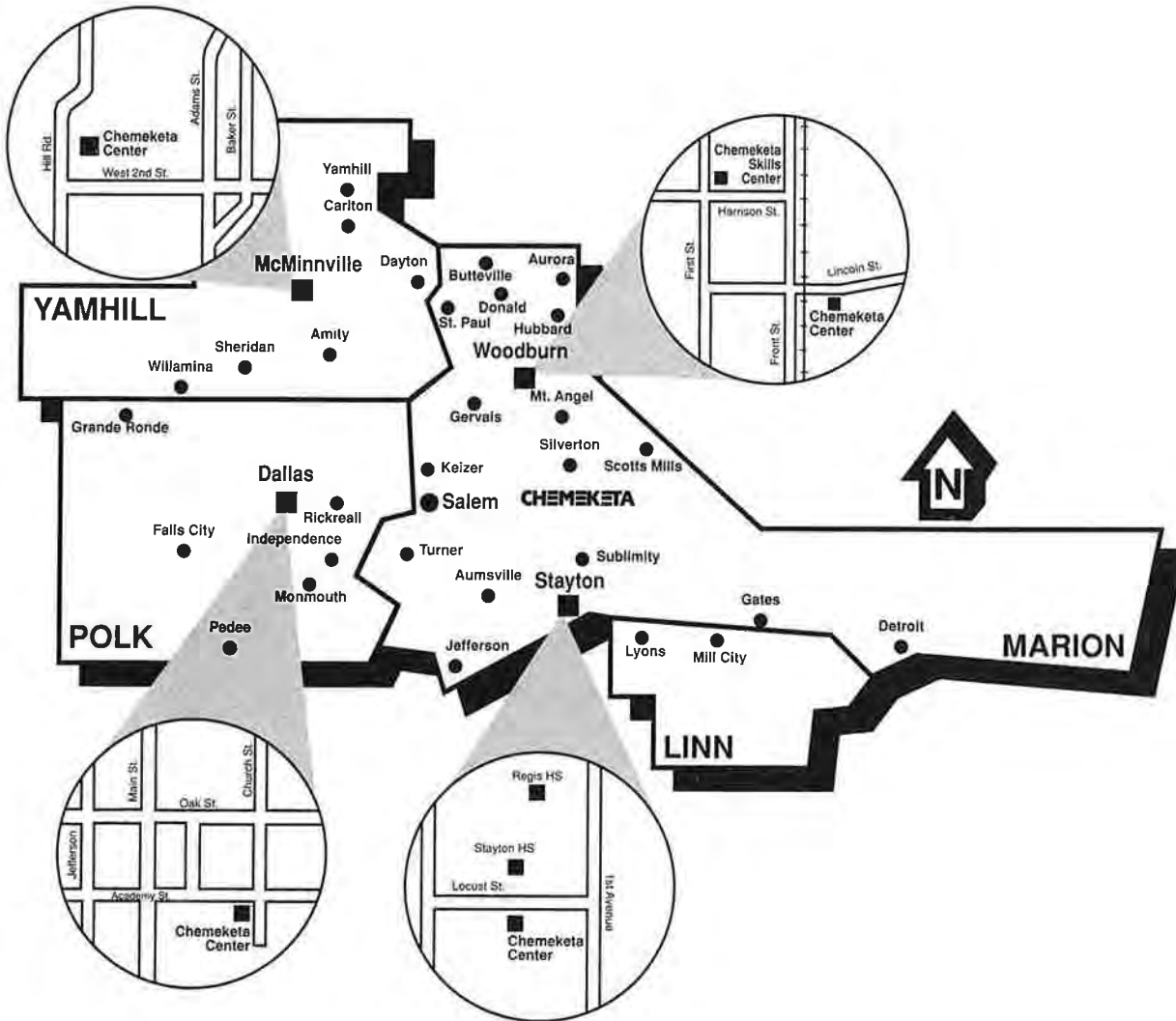
- ** Anthropology
- ** Economics
- Ethnic Studies
- ** Geography
- ** History
- Law Enforcement-Corrections
- ** Political Science
- Pre-Law
- ** Psychology
- ** Sociology

Two stars (**) indicate which courses of study are included in the college catalog.

One star (*) indicates programs which may have special admission requirements or enrollment limits. Please contact the Admissions Office at 399-5006.



Chemeketa Community College District



LEGEND

CHEMEKETA Salem Campus

- Communities with Chemeketa Centers
- Other communities where Chemeketa classes are held

In addition to the Salem Campus, Chemeketa has centers in Dallas, McMinnville, Stayton, and Woodburn and offers classes in many other communities in the district.

For a map of the Salem Campus, see Page 170.



Welcome to Chemeketa Community College

Chemeketa is your community college. Our goal is to serve all of our students in every way we can.

You can finish your first two years at Chemeketa, take the professional-technical training you need to qualify for a job, or finish your high school education. You can explore career ideas, retrain or add to your job skills, or get professional help on how to run a business. You can pursue a special interest or broaden your education.

You can fit as much of this as you want into your life. You may go to school full time to finish a one- or two-year program. You may go part time to take a class or workshop or two. You may attend classes and special events on

the Salem Campus or at one of our centers in Dallas, McMinnville, Stayton, or Woodburn. We also offer classes in schools and other locations in communities throughout the college district. You can even stay home and take a class by television or computer.

Whatever your goals and interests, we are willing (and usually able) to meet your needs. We want to help you add to the quality of your life.

What kinds of education does Chemeketa offer?

Basically, Chemeketa has four areas of study:

- *Professional-technical* education trains students who want to qualify for work in specific fields. We offer more than 40 professional-technical training programs. In some of these, you may earn a Certificate of Completion in one year. In most programs, you may earn an Associate of Applied Science degree. It usually takes two years to meet the requirements; it may take longer if you attend part time.

In addition to vocational classes, our professional-technical programs include general education courses. The aim of these courses is to help you become more competent in writing and mathematics and gain knowledge of humanities, communications, sciences, and social sciences.

- *College transfer courses* are for students who wish to continue their education at a four-year college or university. If you successfully complete Chemeketa's two-year college transfer program, you may also earn an Oregon Associate of Arts transfer degree. See Page 28 for requirements.

Some of our professional and technical programs also include courses which may be transferred for college credit. For more specific information, consult with a Chemeketa counselor or advisor, or with the four-year institution you wish to attend. Generally, transfer courses are numbered 100 or above.

Some of our professional and technical programs also include courses which may be transferred for college credit. For more specific information, consult with a Chemeketa counselor or advisor, or with the four-year institution you wish to attend. Generally, transfer courses are numbered 100 or above.

- *Lifelong learning* is important at Chemeketa. We encourage you to continue to learn throughout your life. We offer many credit and non-credit classes, workshops, and short courses. Chemeketa classes can help you to improve your technical, vocational, avocational, and academic knowledge and skills;

Academic Calendar

	Fall 1994	Winter 1995	Spring 1995	Summer 1995	Fall 1995 (tentative)
Registration*	Sept. 22-23	Jan. 3	March 27	June 19	Sept. 21-22
Evening classes begin	Sept. 26	Jan. 3	March 27	June 19	Sept. 25
Day classes begin	Sept. 26	Jan. 3	March 27	June 19	Sept. 25
Last day to withdraw and receive a refund	Oct. 7	Jan. 13	April 7	June 30	Oct. 6
Last day to register or add classes	Oct. 14	Jan. 20	April 14	July 7	Oct. 13
Audit requests due	Oct. 21	Jan. 27	April 21	July 14	Oct. 20
Applications for next term's graduation due	Oct. 21	Jan. 27	April 21	July 14	Oct. 20
Holidays	Nov. 11 Nov. 24, 25	Jan. 16	May 29	July 4	Nov. 11 Nov. 23, 24
Last day to withdraw from classes without responsibility for grades	Nov. 28	Feb. 24	May 19	July 21	Nov. 27
Review and final examinations	Dec. 12-15	March 13-16	June 5-8	Aug. 7-10	Dec. 11-14
End of term	Dec. 16	March 17	June 9	Aug. 11	Dec. 15
Graduation					
GED and High School Completion			June 10		
One- and two-year programs			June 10		

*Dates are subject to change. Please check each term's Schedule of Classes for registration and early registration information.



to retrain for new positions; and to continue your personal development.

■ *Developmental skill building classes* are offered for people who want to learn basic reading, writing, mathematics, and study skills, or finish high school, or learn English as a second language.

Chemeketa schedules classes during the day, evenings, and on weekends.

Chemeketa's faculty

Chemeketa has over 250 full-time faculty members. In general, faculty who teach college transfer courses have at least a master's degree; some have doctorates. Faculty in professional-technical programs generally have a rich background which combines education with practical, on-the-job experience. In addition, we hire an average of 700 part-time teachers each year. Many of them teach evening classes on subjects directly related to their full-time jobs in the community.

How are we supported?

As a public institution, most of Chemeketa's financial support comes from local property taxes, state school support funds, tuition, and fees.

What is our history?

Chemeketa's roots began in 1955 when the local school district established Salem Technical Vocational School. The community college district was formed in September 1969.

Our credentials

The Northwest Association of Schools and Colleges granted full accreditation to Chemeketa in December 1972. In addition, the Oregon De-

partment of Education has approved all of our professional-technical programs and college transfer courses. Professional associations have also accredited those professional-technical programs which require approval.

For more information on accreditation and approvals, contact the office of the Vice President of Academic Services in Building 5 on the Salem Campus, at 399-5144.

Where is Chemeketa?

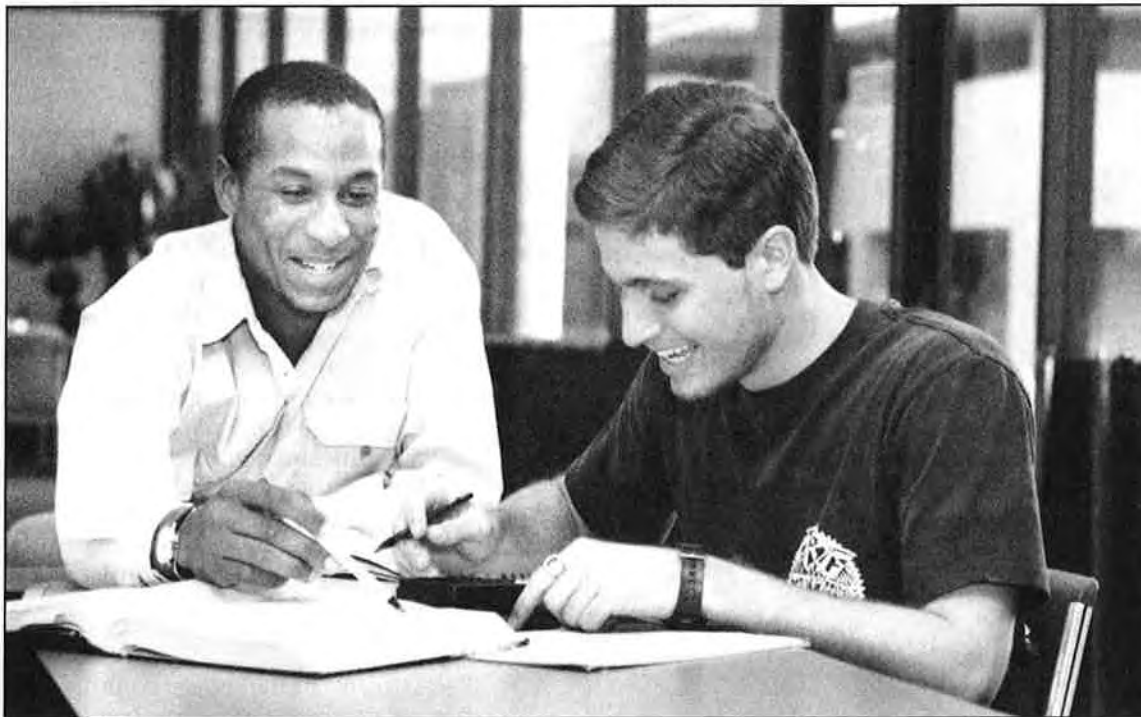
The Chemeketa Community College district covers more than 2,600 square miles in Oregon's mid-Willamette Valley. It includes Marion, Polk, most of Yamhill, and part of Linn counties.

We consider the entire college district as our campus. Our 194-acre main campus is located at 4000 Lancaster Drive N.E., Salem. We have centers in Dallas, McMinnville, Stayton, and Woodburn. We also schedule credit and non-credit classes, workshops, seminars, and special programs in about 25 communities throughout the college district. These classes meet during the day, evening, and on weekends in schools, businesses, churches, and homes.

Our Training and Economic Development Center is located in Liberty Square, 365 Ferry Street S.E., in downtown Salem.

What kind of facilities does Chemeketa have?

Chemeketa's Salem Campus has eight major buildings and a number of smaller buildings. Building 2 houses the Advising and Counseling Center, Tutoring Services Center, the Planetarium and the Learning Resource Center. The Learning Resource Center includes the library,



media services, distance-education programs, and a television studio. A new bookstore and staff office building is the most recent addition to the Salem Campus.

The Learning Resource Center, with its computerized card catalog, has a collection of approximately 50,000 books; over 1,000 periodicals; a large selection of maps and pamphlets; 1,400 audio cassettes; 2,000 video cassettes; and many other films, slides, and records. Within the Learning Resource Center students also have access to copy machines, typewriters, and computers.

Our science and health building has modern, well-equipped laboratories for science and health-related programs. In the physical education building are workout and weight rooms, racquetball courts, and a gymnasium. Other buildings provide modern classrooms, welding and manufacturing shops, and computer laboratories. There is a fire-training building that also serves as a fire station.

For more information about facilities on the Salem Campus, contact the Scheduler's Office in Building 22 or call 399-5008. Chemeketa's centers in Dallas, McMinnville, Stayton, and

Woodburn have classrooms, up-to-date laboratories, and offices.

Who are Chemeketa's students?

You will not find a "typical" student at Chemeketa. Our students are all ages, from recent high school graduates to retired grandparents. They have many different goals. Some persons come to Chemeketa to train or retrain for new careers or to update their professional-technical skills; others return to school to increase their knowledge, learn new skills, or to get to know more about themselves and their relationships with other people.

Some of our students attend full time, others, part time. Many combine work and school.

About 40,000 persons enroll in Chemeketa classes and workshops every year. Each term, about 3,500 students are enrolled full time.

The Chemeketa Creed

The Chemeketa Creed is part of the Student Rights and Responsibilities Document which can be found on Pages 166 and 167 of this catalog. The creed lists standards of behavior expected of students as they become members of our educational community.

1.0 Preamble

Chemeketa Community College provides an environment that celebrates the freedom to learn and the freedom to teach. In that celebration of teaching and learning it is appropriate that individuals and groups be viewed with regard to their potential to contribute within the learning environment. Each has dignity and value.

2.0 Code of Behavior

As a community of people seeking education, Chemeketa students are dedicated to improving personally and academically. Choosing to join the college community obligates each member to a code of behavior.

Chemeketa students will:

- 2.1 Practice personal and educational integrity.
- 2.2 Maintain standards of academic performance and contribute to the safe, cooperative and respectful learning environment throughout the college.
- 2.3 Discourage bigotry and respect the diversity and dignity of all persons.
- 2.4 Respect the rights and property of all persons.
- 2.5 Bear the ultimate responsibility for the effects of their decisions and behavior.

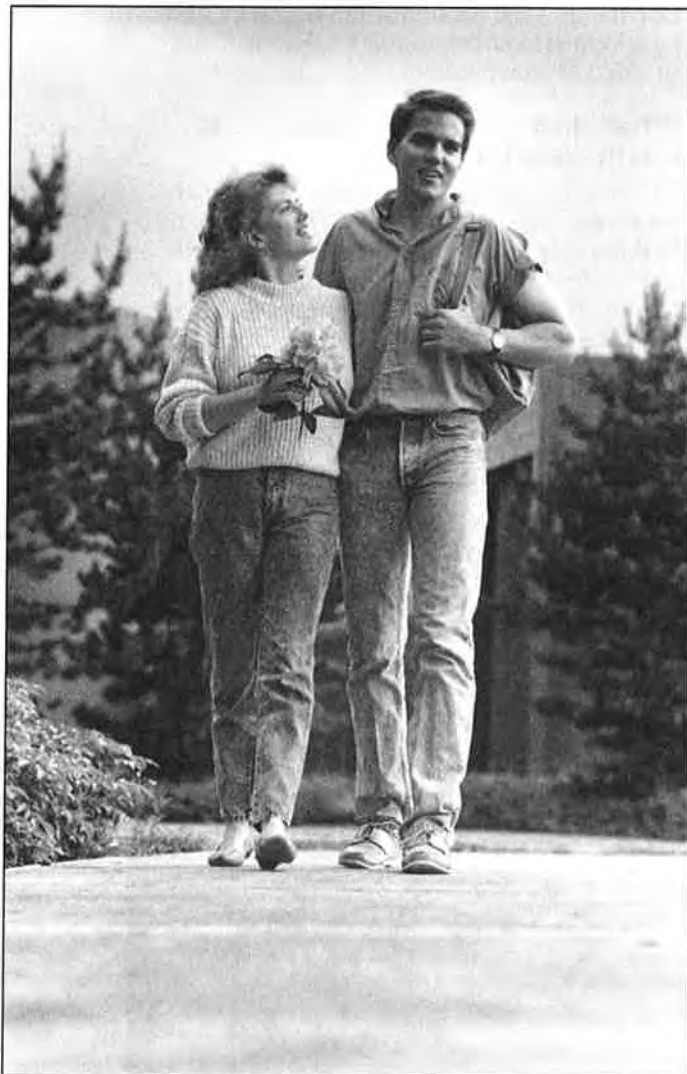
3.0 Student Rights

Each student in the college community has certain rights that accompany

About Chemeketa's Diversity

We are a college community enriched by the diversity of our students and staff. Each individual and group has the potential to contribute in our learning environment.

Each has dignity. To diminish the dignity of one is to diminish the dignity of us all.



How to Enroll at Chemeketa

Student Classification	1. Academic and career decision making	2. Placement testing	3. Application for admission	4. Registration for classes
Enrolling for MOST Salem Campus classes	Contact Advising and Counseling Center, Building 2, Salem Campus (optional).	Contact Advising and Counseling Center, Building 2, Salem Campus.	■ File application with Admissions Office, Building 22, Salem Campus.	<p>New/Re-entering Students– Register on Salem Campus following directions sent to all applicants by Admissions Office.</p> <p>Continuing Students– Register by touch-tone telephone following directions published in the quarterly <i>Schedule of Classes</i>.</p>
Enrolling for classes held outside of Salem	Contact Advising and Counseling Center, Building 2, Salem Campus or call nearest Chemeketa center in Dallas, McMinnville, Stayton, or Woodburn (optional).	Contact nearest Chemeketa center.	■ File application with Admissions Office, Building 22, Salem Campus or at nearest Chemeketa center.	<p>New/Re-entering Students– Follow procedure above for enrolling on Salem Campus.</p> <p>or</p> <p>Register at a Chemeketa center.</p> <p>Continuing Students– Register by touch-tone telephone following directions published in the quarterly <i>Schedule of Classes</i>.</p>
Enrolling for Salem evening, weekend, or non-credit classes	Contact Advising and Counseling Center, Building 2, Salem Campus (optional).	Contact Advising and Counseling Center, Building 2, Salem Campus (optional).	■ File application with Admissions Office, Building 22, Salem Campus.	<p>■ Follow procedure above for enrolling on Salem Campus.</p> <p>or</p> <p>■ Register by touch-tone telephone following directions published in the quarterly <i>Schedule of Classes</i>.</p>
Interested in GED or English as a Second Language (non-credit)	Contact Advising and Counseling Center, Building 2, Salem Campus; a Chemeketa center in Dallas, McMinnville, Stayton, or Woodburn; the Downtown Learning Center in Salem, or the Yamhill County Learning Center in McMinnville.	<p>GED: Contact Developmental Education Office, Building 2, Salem Campus.</p> <p>ESL: Contact ESL Office, Building 16, Salem Campus.</p>	Application for Admission not required. Students under 19 must have a High School Release form and be referred by the Downtown Learning Center.	Consult quarterly <i>Schedule of Classes</i> . Open entry during term.
Interested in earning a high school diploma	Contact the High School Completion Office, Building 50, Salem Campus, or call nearest Chemeketa center in Dallas, McMinnville, Stayton or Woodburn (optional).	Contact Advising and Counseling Center, Building 2, Salem Campus.	<p>■ File high school transcript with High School Completion Office, Building 50, Salem Campus.</p> <p>■ File application for admission with Admissions Office, Building 22, Salem Campus.</p> <p>■ Students under 19 must have a High School Release form and be referred by the Downtown Learning Center.</p>	Follow directions sent by Admissions Office 10 days before registration.

These programs have special admission requirements or enrollment limits. Please contact the Admissions Office, 399-5006, for details.

Building Inspection
Dental Assisting
Construction Technology
Emergency Medical Technology

Fire Suppression
Health Care Support Services
Human Services
Instructional Assistant

Nursing
(RN, LPN, nursing assistant,
re-entry courses)
Visual Communications





Student's Check List

Before you register:

1. If you are a new student, have you:

taken mathematics, reading, and English placement tests? Contact the Advising and Counseling Center, Salem Campus, Building 2, 399-5120.

applied for admission to the college? Contact the Admissions Office, Salem Campus, Building 22, 399-5006. An application form is on Page iii.

checked to find out if there are special requirements for the program you want to enter? Contact the Admissions Office, Salem Campus, Building 22, 399-5006.

2. Do you know the costs of:

tuition and fees?

special tools, equipment, uniforms, etc. required by your program?

These costs are listed in this catalog in the description of your occupational program.

3. Have you arranged for:

transportation?

child care?

4. Have you asked about financial aid? Contact the Financial Aid Office, Salem campus, Building 22, 399-5018, or a Chemeketa center in Dallas, McMinnville, Stayton, or Woodburn.

5. Have you checked on your eligibility for Veterans Administration educational benefits? Contact the Registrar's Office, Salem Campus, Building 22, 399-5004.

6. Have you read the term Schedule of Classes for registration information and class listings? A copy of the schedule should be delivered to you by mail before each term begins. If not, contact the Advising and Counseling Center, Salem Campus, Building 2, 399-5120, or the Chemeketa center in your community.



his/her responsibilities. Those rights are to be protected by both students and staff regardless of an individual's race, sex, religion, color, creed, disability, sexual orientation, political affiliation, national origin, ancestry, or age.

The college will:

3.1 Provide access to education and campus facilities.

3.2 Assure the protection of confidential student records and information.

3.3 Provide opportunities for association and preserve freedom of expression.

Admission and registration

Who may enroll at Chemeketa?

(Admissions Office, 399-5006; FAX, 399-3918)

Chemeketa has an "open door" policy. In general, you may enroll in Chemeketa classes if you are 19 years of age or older and can benefit from the instruction. If you are 16 to 18 years of age and have not graduated from high school, you may enroll if your high school issues you a release form allowing you to be admitted to Chemeketa.

Under special conditions, students under age 16 may enroll in certain classes. The Admissions Office can provide details for this process.

The table on Page 5 lists the enrollment steps. Updated information is published each term in the *Schedule of Classes*.

You will find an Application for Admission Form on Page iii in the front of this catalog. Before you apply for admission, contact the Advising and Counseling Center in Building 2 on the Salem Campus, at 399-5120. Talk with a counselor about your academic and occupational plans and the requirements for the program which interests you. You may also meet with a counselor at Chemeketa's centers in Dallas, McMinnville, Stayton, and Woodburn.

Placement tests

(399-5120)

If you are a new student, Chemeketa requires you to take a free placement test in order to be accepted for admission. Test results more than two years old are not valid. The purpose of the test is to determine your skill levels in reading, English, writing, and mathematics so that you may choose courses that suit your abilities. Under certain conditions, you may be granted a test waiver.

Information about tests and test waivers may be obtained from the Advising and Counseling Center in Building 2 on the Salem Campus or

from Chemeketa centers in Dallas, McMinnville, Stayton, and Woodburn.

Orientation

(399-5120)

After you have applied for admission, you will be invited to an orientation meeting before the term begins. The orientation, which is optional, will introduce you to Chemeketa and some of our instructors. You will receive information about registration and ways you may participate in college life at Chemeketa.

Tours of campus

(399-3995)

Tours of campus are available through the Chemeketa Internship Program (ChIPs) in the Student Life Office, Building 3, Room 101. You may stop by or call to schedule a student-guided tour.

Registration

(399-5001)

For registration dates and other information, see **How to Enroll at Chemeketa** on Page 5 and the **Academic Calendar** on Page 2. Each term the *Schedule of Classes* gives the step-by-step procedure for registering for classes.

You will receive college credit only if you officially register for the class during the term in which it is offered.

You may not register if you owe the college any money from previous terms.

Class loads

(399-5001)

If you enroll in 12 or more credit hours, you are considered full time for academic purposes. The average class load is 15 credit hours per term.

Class changes

(399-5001)

You may make changes in your class schedule before the deadline listed in the **Academic Calendar** on Page 2. To make changes, complete a Student Schedule Change (add-drop) Form. Forms are available in the Registrar's Office, staff offices, and the Advising and Counseling Center. The changes should be approved by your academic advisor. Turn in the form at the Registrar's Office in Building 22. A fee may be charged for adding or dropping classes.

Enrollment limitations

Even though Chemeketa has an open door policy, we cannot guarantee that you will be admitted to a particular program. The college may restrict enrollment in a class or program because of limited staff, space, or equipment. Enrollment is also limited for some programs because of special admission requirements.

We urge you to apply early for all programs, especially for the following professional-techni-

cal programs which limit enrollment and have special admission requirements:

- Building Inspection
- Dental Assisting
- Construction Technology
- Emergency Medical Technology
- Fire Suppression
- Health Care Support Services
(Health Information Technician, Medical Transcriptionist, Health Services Coordinator, Medical Office Assistant)
- Human Services
- Nursing (Registered Nurse, Licensed Practical Nurse, Nursing Assistant, and re-entry courses)
- Visual Communications

You may still be admitted to the college even though you are not accepted in one of these programs. You may apply to enroll in a related pre-vocational program or some other program.

Immunizations

The Oregon Department of Health requires community college students born on or after January 1, 1957 to have two doses of measles vaccine before participating in clinical experiences in allied health and nursing programs, practicum experiences in education and child care programs, and intercollegiate sports. Students in nursing programs and in some allied health programs may also be required to be vaccinated for hepatitis B prior to entering any clinical experiences. For details about these requirements, contact the office of the department director who oversees the program in which you plan to participate.

Transfer credits from other colleges, CLEP, Advanced Placement, and the military (399-5006)

You may transfer credits from other colleges you have attended by requesting each of them to send an official copy of your transcript directly to our Admissions Office. Transcripts will not be accepted from students. (Official copies must include a signature from the issuing institution and its authorized seal.) You may then contact the Admissions Office and request, in writing, an evaluation of your transcripts.

If you need a copy of your transcript for your records or for advising, please order additional copies sent to your home address.

In general, Chemeketa accepts in transfer college-level credits earned at a regionally accredited college or university. Work from unaccredited schools is evaluated in accordance with the institutions and policies listed in Transfer Credit Practices, published by the American Association of Collegiate Registrars and Admissions Officers. Credit given for a particular course will not exceed credit given for the equivalent corresponding Chemeketa course.

Credit Class Tuition*

No. of Credit Hours	Oregon Students	Out-of-State Students	International Students
1	\$32	\$120	\$140
2	\$64	\$240	\$280
3	\$96	\$360	\$420
4	\$128	\$480	\$560
5	\$160	\$600	\$700
6	\$192	\$720	\$840
7	\$224	\$840	\$980
8	\$256	\$960	\$1120
9	\$288	\$1080	\$1260
10	\$320	\$1200	\$1400
11	\$352	\$1320	\$1540
12	\$384	\$1440	\$1680
13	\$416	\$1560	\$1820
14	\$448	\$1680	\$1960
15	\$480	\$1800	\$2100
16	\$512	\$1920	\$2240
17	\$544	\$2040	\$2380
18	\$576	\$2160	\$2520

Over 18 hours: Multiply the number of credit hours by the cost given for one credit hour.

**Except PE activity classes, which are now \$52 per credit hour.*

If you have taken the College Level Examination Program (CLEP) or the Advanced Placement Test, request that your scores be forwarded to the Admissions Office. Then contact the Admissions Office and request, in writing, an evaluation of your transcripts and scores. For more CLEP and Advanced Placement information, see Page 16.

Chemeketa also accepts some credits from the military and the Community College of the Air Force. Submit an official copy of your CCAF transcript or a certified copy of your DD214 to the Admissions Office and request an evaluation of your credits.

Your accepted transfer credits and scores will become part of your permanent record at Chemeketa. Your record does not indicate your transfer grades; only the course grades you earn at Chemeketa are used to compute your grade point average.

International students (399-5006; FAX, 399-3918)

If you are a citizen of another country, you will be asked to meet certain federal immigration and college requirements before being admitted to Chemeketa. You are expected to maintain certain levels of academic achievement

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The meaning of Chemeketa

The name Chemeketa is a Native American word meaning "place of peace." Long before settlers came to this area, Willamette Valley Native Americans would gather at a place they called Chemeketa, today known as Salem. There they conducted their councils, renewed friendships, and shared old ideas and cultivated new ones. It is hoped that many who come to Chemeketa today will do just that.

The meaning of Chemeketa is illustrated on the sculptured wall panels (pictured below) which appear on Building 3 on our Salem Campus. Designed by graphic artist Arvid Orbeck, the panels symbolize the territorial divisions of the tribes and the movement of the tribes toward the established meeting place.

As the tribes move through the territorial divisions, the carved designs become less aggressive and less linear. Softer curves start to enter into the forms, showing more peaceful attitudes. The final points of the arrow shapes become completely calm upon reaching the center, where the individual chiefs, each indicated with his own form of dress, decoration, and behavior, sit down in a formal circle for peaceful work.

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acceptable to the United States Immigration Service and to the college. Chemeketa's Admissions Office has special application materials for international students.

Chemeketa has established enrollment limits for international students. When those limits are reached each term, the Admissions Office will no longer accept applications. We suggest you apply as early as possible to the Admissions Office, Building 22, Room 110.

Services to help introduce international students to the college and Salem community are available through the Student Life Office, Building 3, Room 101.

Readmission (399-5006)

If you are a former Chemeketa student who was not enrolled in the college the previous term (or, for fall enrollment, was not registered the previous spring or summer), and you wish to return to the college, follow the enrollment steps for new students given in the **How to Enroll at Chemeketa** table on Page 5.

Money Matters

Tuition (399-6580)

Tuition and fees are due in full when you register unless you make special arrangements ahead of time with the Cashier's Office. (See information under **Deferred tuition payments** on this page.)

Credit courses

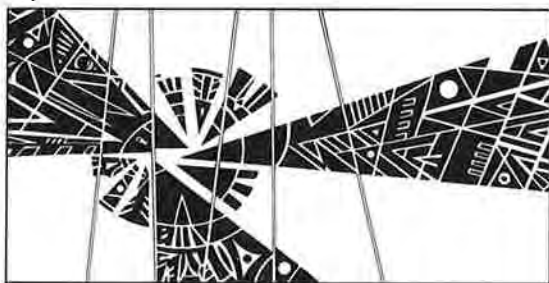
Use the chart on page 7 to calculate the cost of your credit tuition. Some classes charge fees in addition to tuition. Fees are noted in the course descriptions which begin on Page 107.

Special tuition rates may apply to selected classes and students under age 19.

Non-credit courses

The cost of most non-credit courses is \$2 per class hour with a \$10 minimum charge, or as stated in the term *Schedule of Classes*.

Tuition rates for non-credit courses apply even if you are considered a full-time student.



There is no charge for adult basic education, General Educational Development (GED), and non-credit English as a second language classes. There is a \$45 fee to take the GED test.

Certain courses, particularly some training classes, may require separate registration and tuition.

For some classes, there are additional charges to cover the costs of required materials.

Oregon residency

You are considered an Oregon student if you have established a permanent residence within the state at least three months before you register for the first time. The college may ask you to provide information proving you meet the residence requirement.

You are considered an out-of-state student if your permanent address is outside of Oregon. If you are an international student who is required to have an I-20 immigration document, you are considered an international student as long as you are required to have that document.

Auditing courses (399-5001)

If you enroll in credit courses but do not wish to receive grades or credits, you may register as an auditor. However, you must pay full tuition and fees. Pick up and turn in an Audit Request Form at the Registrar's Office before the end of the fourth week of the term.

Deferred tuition payments (399-5011)

If you are enrolling in six or more credit hours, you may enter into a contract to pay your tuition in installments, with the approval of the Cashier's Office. A non-refundable contract processing fee will be assessed for this deferred tuition service.

Some financial aid students may be subject to a separate refund policy.

Tuition refund policy

If the college cancels a class, we will refund your tuition.

If you decide to withdraw from Chemeketa during the first two weeks of a term, you may receive a tuition refund. See detailed information under **Withdrawal from College**, Page 16.

If Chemeketa cancels a course because the enrollment is below a minimum number of students, we will give you a full refund. You will not receive a refund if you are suspended from the college.

Other costs and fees (399-6580)

The cost of books and supplies for full-time students is about \$170 per term. However, in some of our programs you will also have to provide your own tools, equipment, and uni-

forms. These costs are included in the descriptions of professional-technical programs on Pages 41 to 106.

Fees vary by the course. They are included in the course descriptions in this catalog.

You may rent a hall locker for \$3.50 a term. Our physical education locker and towel fee is \$11 if you are not enrolled in a PE class.

Contact the Cashier's Office in Building 22 on the Salem Campus for more information on fees and program costs.

Golden Age Cards

(399-5135)

If you are 62 years of age or older, you pay only 35 percent of tuition (minimum \$10) plus fees for most classes offered by the college. In addition, you are eligible for a free Golden Age Card which allows you free or reduced admission to college-sponsored films, dramas, and athletic events. You may obtain a card by calling the Salem Campus, 399-5139, or by contacting a Chemeketa center in Dallas, McMinnville, Stayton, or Woodburn.

Student health and accident insurance

(399-6580)

Student insurance may be purchased directly from the insurance company. If you are enrolled for six or more credit hours, you may pick up insurance information at the Cashier's Office in Building 22. If you enroll in Chemeketa fall, winter, or spring terms, you may purchase coverage to include summer term.

Chemeketa encourages you to buy insurance coverage if you are enrolled in classes involving risk and/or much physical activity. In some classes and activities where good safety practices are required, students will be asked to sign a risk waiver form.

Chemeketa requires all international students, as well as students from Micronesia and the Trust Territories of the Pacific, to obtain health and accident insurance. You must purchase insurance at the time of registration.

Veterans' services

(399-5004)

If you are a veteran, contact the veterans' clerk in the Registrar's Office for information on Veterans Administration policies, procedures, and approved programs of instruction.

Chemeketa processes a veteran's application for certification as well as the necessary supporting documents (DD214, etc.) according to VA regulations. We forward certification information to the VA regional office in Portland. Usually this completes the application process for VA educational benefits. In addition, you must apply for admission through the Admissions Office.



If you have attended other colleges, arrange to have transcripts of your credits sent to the Admissions Office and request an evaluation.

Policy of satisfactory progress: In accordance with a Veterans Administration directive, if you receive veterans' educational benefits and are enrolled half-time (six credit hours) to full-time (at least 12 credit hours), you must comply with the following regulations:

- Receive no more than 44 deficiency course units over a two-year period.
- Accumulate a minimum grade point average (GPA) of 2.0 in your program. GPA is based on A=4, B=3, C=2, D=1, F=0.
- Make any changes which affect your certification status by the end of the fourth week of a term.
- Complete all certified credit hours in which you are enrolled.

Any term your GPA falls below 2.0 or you do not satisfactorily complete the required hours listed above, the Veterans' Clerk will advise you that you are on probation. If you do not maintain the GPA and/or credit hour requirements for two consecutive terms, the clerk will record a notice of unsatisfactory progress and forward it to the VA regional office in Portland.

Once you are placed on unsatisfactory progress, you must enroll in, and complete, one

Kinds of financial aid available at Chemeketa

Except as listed below, all financial aid programs have the following requirements:

- You must file a Free Application for Federal Student Aid (FAFSA) to apply.
- You must be a United States citizen or an eligible non-citizen.
- If you are a male over 18 years of age and born after December 31, 1960, you must be registered with the United States Selective Service, unless you are currently on active duty with the armed forces. (Membership in the reserves does not count.)
- You must not be in default or owe a refund to any Title IV financial aid program.
- You must use the money you receive to help meet the costs of attending Chemeketa.
- You must be in a degree or certificate program.
- You must enroll for at least six credit hours each term.
- You must maintain satisfactory academic progress.

Program and source of funding	Eligibility requirements	Available amounts	Special information
Grants and scholarships Federal Pell Grant	<ul style="list-style-type: none"> ■ You must not have a bachelor's degree. 	<ul style="list-style-type: none"> ■ Amounts are based on federal funding. ■ The estimated highest award at Chemeketa for 1994-95 will be \$2,250. 	<ul style="list-style-type: none"> ■ Pell Grant will send you a Student Aid Report (SAR) indicating your eligibility. Take all three copies of SAR to the Financial Aid Office. ■ Eligibility may be transferred to any post-secondary school participating in federal programs.
Federal Supplemental Educational Opportunity Grant (FSEOG)	<ul style="list-style-type: none"> ■ You must prove an exceptional financial need. ■ You must not have a bachelor's degree. 	<ul style="list-style-type: none"> ■ Amounts range from \$200 to \$2,000 a year. ■ The estimated highest award at Chemeketa for 1994-95 will be \$150. 	<ul style="list-style-type: none"> ■ The Financial Aid Office will determine and then notify you of your eligibility.
Oregon State Need Grant (funded by the state of Oregon and the federal government)	<ul style="list-style-type: none"> ■ You must enroll full-time (12 credit hours or more). ■ You must be an Oregon resident. ■ You must also apply for a Pell Grant. ■ You must not have a bachelor's degree. ■ You must attend a college in Oregon. 	<ul style="list-style-type: none"> ■ Amounts are based on state funding. ■ The estimated highest award at Chemeketa for 1994-95 will be \$720. 	<ul style="list-style-type: none"> ■ Mark "yes" to release data to the state agency on the FAFSA. ■ Your grant may be transferred to other Oregon colleges and universities. ■ Your grant may be awarded for up to 12 quarters (terms) or for eight semesters. ■ You must not be enrolled in a program leading to a degree in theology, divinity, or religious education.
Talent Grants (funded by Chemeketa Community College)	<ul style="list-style-type: none"> ■ You must show outstanding ability and achievement in selected fields. ■ You must enroll full-time (12 credit hours or more). 	<ul style="list-style-type: none"> ■ Amounts vary up to the cost of tuition. 	<ul style="list-style-type: none"> ■ No FAFSA is required. ■ Contact an instructor or coach directly associated with your skills or ask at the Financial Aid Office.
Loans Federal Perkins Student Loan Program (FPSL)		<ul style="list-style-type: none"> ■ You may borrow up to \$3,000 in an academic year. ■ The highest award at Chemeketa for 1994-95 will be \$1,500. 	<ul style="list-style-type: none"> ■ You must complete a separate Perkins Loan application form. ■ You do not have to pay any interest or principal while in school. ■ You must begin payment six to nine months after you drop your enrollment to less than six credit hours. ■ The current interest rate is 5 percent. ■ You must repay Chemeketa. ■ You must view an orientation video before funds are disbursed. ■ Interest is paid by the federal government while you are enrolled in an approved program. ■ You must attend an entrance and an exit interview. ■ Contact the Financial Aid Office for information on repayment and deferments.

Loans (Cont.)

Federal Stafford Student Loan (formerly GSL)
(funded by commercial lenders with state or other agency guarantee and interest subsidy from the federal government)

- You may borrow up to \$2,625 to complete the first year of a program of undergraduate education.
- After completing your first year of undergraduate education, you may borrow up to \$3,500 to complete the remainder of a program of undergraduate study.

- Pick up the separate Stafford application forms (to be completed by the borrower, college, and lender) at the Financial Aid Office.
- Take the completed loan application to a lending agency such as a bank or a savings and loan association.
- Required fees will be deducted from your check.
- You must begin payment six months after you drop your enrollment to less than six credit hours.
- You may defer payment if you continue half-time or full-time study. Contact the Financial Aid Office for other possible deferments.
- You must attend an entrance and an exit interview.
- The variable interest rate is capped at 8.25 percent.
- The federal government pays the interest while you are enrolled in an approved program.

Federal Unsubsidized Stafford Loan
(provides for insured loans for borrowers who do not qualify for federally subsidized Stafford loans. Terms and conditions for subsidized Stafford loans apply to unsubsidized Stafford loans.)

- You may borrow the cost of attendance minus the amount of estimated financial assistance, up to annual loan limits.
- Students who show need for only part of the annual subsidized Stafford loan limit may borrow the remainder through unsubsidized loans.

- Repayment of principal begins six months after the month in which you cease to be enrolled at least half-time.
- Interest during in-school, grace, and deferment periods may be paid monthly or quarterly, or may be added to the principal amount of the loan not more frequently than quarterly by the lender.

Federal "PLUS" program
(funded by commercial lenders with state or other agency guarantee)

- Some lenders will not loan money for students who are not enrolled full-time.

- Parents may borrow up to the cost of attendance minus the amount of estimated financial assistance.

- Only mothers, fathers, adoptive parents, or legal guardians may borrow for dependents.
- Pick up the application forms (to be completed by the borrower, college, and lender) at the Financial Aid Office.
- Pay the required fees.
- Variable interest rate may not exceed 9 percent.
- Lenders loan their own funds.
- Payment begins 60 days after the date funds are disbursed.

Work

Federal Work Study Program (FWS)

- Amounts vary according to your financial need.
- Funds usually are no more than \$600 a term or \$1,800 a year.
- Jobs pay minimum wage or higher.

- Jobs are available both on and off campus.
- You must view a college work-study orientation video before job placement.
- Contact the Financial Aid Office for a placement appointment.

Chemeketa part-time employment
(funded by Chemeketa Community College)

- You must enroll in six credit hours or more.

- Pay varies according to the job.
- Jobs pay minimum wage or higher.

- No FAFSA is required.
- Apply at the Financial Aid Office.

Part-time jobs
(funded by private businesses)

- You must be willing to work.
- You must meet the qualifications of the employer.

- Pay varies according to the job.
- The average wage for 93-94 was \$5.10 an hour.

- No FAFSA is required.
- Apply at the Placement Resource Center in Building 17 on the Salem Campus.



term before the Veterans' Clerk will submit your records to the VA for recertification. During this term, you must maintain the same credit-hour level as you did when you were certified. You must earn a minimum 2.0 GPA for the term.

Financial aid (399-5018)

At Chemeketa, we believe that you, as a student, along with your family, are responsible for paying for your education. However, if you do not have enough money to attend Chemeketa, please contact our Financial Aid Office in Building 22, Room 118, on the Salem Campus. We are ready to help you apply for grants, loans, and part-time jobs.

Are you eligible?

To qualify for financial aid, you must:

- Be at least 18 years of age or have a high school diploma or a General Educational Development (GED) high school equivalency certificate, or have the ability to benefit from a college education.
- Be a United States citizen or able to provide I-94 or other documents showing you are an eligible non-citizen.
- Be registered with Selective Service if you are a male born after December 31, 1960. (If you are now on active duty in the United States Armed Forces—not the reserves—you do not have to be registered.)
- Show need for financial help.
- Enroll in a degree program or a certificate program at Chemeketa.
- Enroll in six or more credit hours at Chemeketa with these restrictions:

- 1) If you wish to receive aid as a full-time student, you must register for 12 or more credit hours. These may include only one three-credit-hour course by television, mail, or computer modem.
- 2) If you register for six to 11 credit hours, you may not include any courses by television or by mail.
- 3) You may not include audited and non-credit courses in these totals.
- 4) You may not count a repeated course. An exception may be made if an instructor recommends, in writing, that you repeat a course in which you earned lower than a C grade.
- 5) You may count up to 45 credit hours of developmental courses which were recommended by your advisor.
- 6) You may not count credits you earned by passing challenge examinations.

Score at or above 36 in the reading section of the college's placement test. If you score

below 36, you may not be eligible for financial aid. However, you may be eligible to re-take the placement test. Contact the Advising and Counseling Center.

What kinds of financial aid are available?

There are three kinds of financial aid available for students enrolled at Chemeketa:

- Grants and scholarships which you do not repay.
- Loans which you must repay.
- Part-time jobs.

For detailed information, read the chart on Pages 10 and 11.

How to apply

Follow these steps to apply for financial aid:

- Pick up (or ask us to mail you) a Free Application for Federal Student Aid (FAFSA) at the Financial Aid Office on the Salem Campus or at a center in Dallas, McMinnville, Stayton, or Woodburn.
- Fill out and mail your FAFSA, following directions on the form. Be sure to list Chemeketa as the college you are or will be attending.
- Take Chemeketa's placement test. Contact the Advising and Counseling Center on the Salem Campus or a Chemeketa center in Dallas, McMinnville, Stayton, or Woodburn for an appointment.
- Apply for admission to Chemeketa.
- Ask other colleges you have attended to mail financial aid transcripts to Chemeketa.

After we have processed your Financial Aid Form, we will send you the forms you need to complete your file.

When to apply

We suggest strongly that you apply for financial aid at least three months before you plan to enroll at Chemeketa. Applications are processed in the order we receive them. Since many students start fall term, it may take longer to process your application during the summer. If possible, file your Financial Aid Form by April 1 if you plan to begin fall term.

It takes at least eight to 10 weeks from the time you file your FAFSA before money can be available to you. If you apply near the beginning of a term, you will need to be prepared to begin paying for tuition, fees, and books with your own money while your financial aid file is being processed.

Final application dates for each term are posted in the Financial Aid Office and included with your FAFSA. If you apply after these dates, you will be eligible only for a Pell Grant and a Stafford Student Loan for the following term.

We accept financial aid applications throughout the academic year, which begins with fall term. If



Questions? Call for information

Campus Information Center
399-5155

Chemeketa's Information Center is located in the Advising and Counseling Center on the first floor of Building 2 on the Salem Campus. Staff will answer your questions about room locations, activities, workshops, meetings, academic advisor assignments, and instructional staff office locations. The Information Center also distributes class schedules and catalogs.

Chemeketa Centers

If you live outside the Salem area, call one of our local centers for information:

Chemeketa Dallas Center

182 SW Academy Street
623-5567 or 399-5206

Chemeketa McMinnville Center

500 N Hill Road
472-9482 or 399-5219

Chemeketa Stayton Center

756 W Locust Street
769-7738 or 399-5215

Chemeketa Woodburn Center

120 E Lincoln Street
981-8820 or 399-5207





you do not apply before you start school and later find you need help, you may apply at any time. However, some financial aid programs have limited funds available. If you apply after these funds have been used up, the types and amounts of financial aid you can receive will be limited.

You must apply again for financial aid each school year. The forms for the next academic year are available in the Financial Aid Office each January.

How students are selected

Federal Pell Grant and Federal Stafford Loan funds are available throughout the year for qualified students who complete the required processes and enroll for the required credit hours.

The Oregon State Need Grant is awarded to qualifying full-time students on an application-date basis determined by the state. Students eligible for the Federal Perkins Student Loan, Federal Supplemental Educational Opportunity Grant, and Federal Work-Study are awarded these funds on the basis of the date of completion of the student's file. Since these funds are limited, the earliest dates are given the highest priority. Not all eligible students will receive these funds.

The amount of the student's award will be determined each year by the Federal Pell Grant and State Need Grant programs and by Chemeketa for the campus-based programs.

Most funds are disbursed at the beginning of each term. College Work-Study funds are paid on the last business day of the month.

How to stay eligible

To continue to receive financial aid, Chemeketa requires you to register for, complete, and maintain a 2.0 grade point average (GPA) for the following number of credit hours:

- Full-time students: 12 credit hours.
- Three-quarter-time students: nine to 11 credit hours.
- Half-time students: six to eight credit hours.

Academic progress

If you do not meet the minimum credit-hour and 2.0 GPA requirements each term, the Financial Aid Office reviews your progress and may either stop your aid or place you on probation and allow you one more term to meet the requirements. If, at the end of two terms, you still do not meet the requirements, your aid stops. However, you may receive it again if you:

- Continue at Chemeketa for one term, paying your own tuition **and**
- Complete a required number of credit hours with a 2.0 GPA.

Your aid stops if you withdraw from Chemeketa. If you do not earn at least three credits with a passing grade in any term, your aid stops and you may be required to repay all financial aid received.

At least once a year, the Financial Aid Office checks to make sure you have completed the minimum number of credit hours. If you have not, your financial aid may be withheld until you complete a required number of credit hours.

How long are you eligible?

In general, you may receive financial aid at Chemeketa for 108 credit hours.

Cooperative program with WOSC

Chemeketa and Western Oregon State College (WOSC) in Monmouth have an agreement regarding financial aid for students who are attending both colleges at the same time. Both colleges may accept credits from the other institution as part of the 12 credit hours required for you to be considered a full-time student. Call the college's Financial Aid Office for information on your eligibility.

Refunds

Chemeketa has a tuition refund and repayment policy for students receiving financial aid. We ask you to read and sign a copy of this policy at the time you sign your financial aid offer. A copy of the policy will be provided for your reference. Refunds are credited to the student financial aid programs in the following sequence: 1) Federal Stafford Loan, 2) Federal Supplemental Loan for Students, 3) Federal "PLUS" Program, 4) Federal Perkins Student Loan, 5) Federal Pell Grant, 6) Federal Supplemental Educational Opportunity Grant, and 7) Oregon State Need Grant.

Appeals

You may appeal any action taken by the Financial Aid Office within two weeks of the time you were notified of a change in your status.

Help is here

The Financial Aid Office will give you information on applying for aid, your rights and responsibilities in receiving aid, loan repayment schedules, general conditions of employment, and methods used to determine or re-establish your eligibility. The Financial Aid Office will also help you with your concerns about funds and budgeting.

Academic Information

Student records and transcripts (399-5001)

Student academic records are maintained in the Registrar's Office for 10 years. These records may include the application for admission, transfer credit evaluations, correspondence, curriculum deviations, and evaluation of progress toward graduation.

Chemeketa transcripts are kept permanently. You may obtain an official transcript from the Registrar's Office by submitting a written request with the appropriate fee. If you have financial obligations to the college, we may deny issuing your transcript until the Cashier's Office clears your obligation.



OAR 581-41-460 authorizes Chemeketa Community College to ask you to provide your Social Security number. The number will be used by the college for reporting, research, and record keeping. Your number will also be provided by the college to the Oregon Community College Unified Reporting System (OCCURS), which is a group made up of all community colleges in Oregon, the state Office of Community College Services, and the Oregon Community College Association. OCCURS gathers information about students and programs to meet state and federal reporting requirements. It also helps colleges plan, research, and develop programs. This information helps the colleges support the progress of students and their success in the workplace and other education programs.

OCCURS and the college may also match your Social Security number with records from the following systems:

- State and private universities, colleges, and vocational schools, to find out how many community college students go on with their education and to find out whether community college courses are a good basis for further education.
- The Shared Information System, which gathers information to help state and local agencies plan education and training services to help Oregon citizens get the best jobs available.
- The Office of Professional-Technical Education Management Information System, to provide reports to the state and federal governments. The information is used to learn about education, training, and job market

Affirmative action and non-harassment policy

It is the policy of Chemeketa Community College that discrimination on the grounds of race, color, religion, sex, national origin, marital status, age, disability, or family relationships will not exist in any area, activity, or operation of the college as required by Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973; Title VI and VII of the Civil Rights Act of 1964; the Age Discrimination Act; the Americans with Disabilities Act of 1990; Oregon Civil Rights Law (ORS659); and their implementing regulations.

College policy also prohibits harassment on the basis of any of the factors listed above. Harassment is any unwelcome behavior or display either verbal, physical, or visual in nature, which meets any of these criteria: 1) submission to such condition is either an implicit or explicit condition of employment or academic performance; 2) submission to or rejection of the condition by an employee or student is used as the basis for decisions affecting that person's employment or academic performance; 3) the condition has the purpose or effect of unreasonably interfering with an individual's work performance or academic performance or of creating an intimidating, hostile, or offensive work environment or academic environment.

Questions or complaints may be directed to Judy Gohring, Affirmative Action Officer, P.O. Box 14007, Salem, Oregon 97309, (503) 399-5009 or 399-5192 (TDD).

trends for planning, research, and program improvement. Funding for community colleges is based on this information.

- The American College Testing Services, if you take the ASSET placement test, for educational research purposes.

Your number will be used only for the purposes listed above. State and federal law protects the privacy of your records.

**Student records policy
(399-5001)**

Chemeketa's policy is to protect your personal and academic records with the greatest privacy and security possible. This policy is based on concern for the integrity of the college and the welfare of the student. Most records may not be released without your permission, except to meet legal or audit requirements. You may go to the Registrar's Office to inspect Chemeketa's student records policy and procedure, which are in compliance with the Federal Education Rights and Privacy Act.

Grading system

Final grades are issued at the end of each term. Letter grades are assigned points according to the following system:

A Excellent.....	4
B Above average	3
C Average.....	2
D Below average.....	1
F Failed.....	0
R Course repeated.....	0
N No grade assigned	0
I Incomplete	0
X Audit	0
Z Course in progress.....	0

Your grade point average is computed by dividing the total credit hours (except R, N, I, X, and Z) into the total points earned.

The N grade is used when student participation in class does not warrant a grade. It is to be used when the student's name is still on the final grade report and no other grade is possible.

An instructor may give you an "Incomplete" when, in his or her judgment, you have not finished a minor portion of the required class work although you have attended the class regularly.

You may remove an "Incomplete" from your record by completing some makeup work. Your instructor will provide you with a Notice of Incomplete Status in a Course Form, which states what you must do and sets a date for you to complete the assignments. The deadline may be any time up to one year from the end of the term in which you received the "Incomplete" grade. When you have met the requirements, your instructor will change the "Incomplete" to a new grade and inform the Registrar. The Registrar's Office will officially notify you of the change.

**Academic Progress/Review Program
(399-5120)**

Chemeketa wants to help students reach their academic goals. To accomplish this, the college has initiated an Academic Progress/Review Program which provides for intervention with students at certain points throughout their enrollment at Chemeketa. These intervention points are determined by either grade point average and/or course completion rate. Listed below are the criteria used for determining intervention by the Academic Progress/Review Program:

Academic Warning Status

- A first term student taking six or more credit hours who falls below a 2.0 GPA, or
- A continuing student who falls below a 2.0 cumulative GPA with more than 36 credit hours of coursework.

Academic Probation Status

- A student who falls below a 2.0 GPA for a second consecutive term, or
- A student who falls below a 2.0 cumulative GPA, with 36 credit hours or more, for a second consecutive term.

Academic Suspension Status

- A student who was, during the preceding enrolled term, on academic probation and, during the current term, earns below a 2.0 GPA. The student will be suspended from further enrollment at Chemeketa until reinstated.

Academic Reinstatement

- Once suspended, a student will not be allowed to register for credit classes for a period of one academic year. After the one-year period, a student may file an appeal



with the Academic Review Committee for reinstatement.

Repeating a course (399-5001)

We suggest you confer with your academic advisor before you repeat a course. If you do repeat a course and receive a **higher** grade, and want your old grade changed in your record, ask the Registrar's Office to change your grade to an R (Repeated). Please note that even if you repeat a course more than once, only your original grade can be changed to an R. If you repeat a course and receive a lower grade, both grades will remain on the transcript. An original grade of N or I may not be changed by repeating a course. The registrar does not include an R in computing your grade-point average and does not count courses with an R grade in determining the total number of credit hours you have earned.

If you are receiving veterans' educational benefits, you should be aware that this could create an overpayment for the term for which you requested an R. Contact the Veterans' Clerk in Building 22 before making such a request.

Course prerequisites

Prerequisites are specified in the course descriptions. These are conditions you must meet before enrolling in a course. It is your responsibility as a student to fulfill the prerequisite.

Some prerequisites indicate that you must complete certain preparatory courses or must have the consent of the course instructor. To gain consent, meet with the instructor before you register. Consent is based upon the instructor's assessment of your readiness to enroll in the course.

Auditing courses (399-5001)

If you enroll in credit courses but do not wish to receive grades or credits, you may register as an auditor. See **Auditing courses** under Money Matters on Page 8.

Withdrawal from college (399-5001)

If you decide to withdraw from Chemeketa, obtain a Student Schedule Change (add-drop) Form from the Registrar's Office, the Advising and Counseling Center, or one of Chemeketa's centers in Dallas, McMinnville, Stayton, or Woodburn. Submit the completed form to the Registrar's Office or one of our centers as soon as possible. The last day to withdraw from classes without responsibility for grades is listed in the **Academic Calendar** on Page 2. If you leave Chemeketa without filing a Student Schedule Change Form, you are responsible for the final grades you receive; they will appear on your transcript of Chemeketa credits.

If you return the completed form to the Registrar's Office within the first two weeks of the term, you will receive a refund of the tuition and fees you paid. (Some exceptions apply for night and late-starting classes.) Amounts owed to any departments of the college will be deducted from your refund. There may also be a nominal deduction from the refund for processing the withdrawal. No refunds less than \$5 are made. The college cannot refund the cost of student insurance.

If you paid tuition with funds issued through Chemeketa's Financial Aid Office, your refund will be credited to your financial aid account. Any debts you owe the college will be deducted from those credits.

Advanced Placement courses (399-5006)

If you enrolled in an Advanced Placement course in high school and earned an acceptable score on the Advanced Placement Test, you may receive credit from Chemeketa for the course. Inquire at the Admissions Office about what courses and scores are accepted at Chemeketa.

College Level Examination Program (CLEP)

(399-5006)

You may earn credit for some college courses through the College Level Examination Program (CLEP). Inquire at the Admissions Office to determine which examinations and scores Chemeketa accepts.

Credit by examination (399-5120)

Another way to earn credits for some courses is to prove your college level ability by successfully passing challenge examinations. These examinations are prepared by the college department directly responsible for the instruction of the courses. There is a fee of \$5 per credit hour for each exam. The availability of challenge exams may be limited during summer term.

Credits for successfully-completed exams are recorded for the term in which the challenge is completed.

Contact the Advising and Counseling Center for more information about earning college credits by challenge examinations.

Credit for prior learning (399-5120)

In certain professional-technical programs, Chemeketa will award you up to 24 credit hours for knowledge and skills you have learned outside the classroom. These may be skills you acquired through working, on-the-job training, volunteer service, non-credit courses or workshops, individual study, homemaking, and travel.



Student Rights and Responsibilities

Chemeketa's Board of Education has approved a document outlining the rights and responsibilities of students. See pages 166 and 167.



To learn how to gain such credits, enroll in CPL120 **Prior Learning Resume**, a three-credit-hour course.

Independent study

(399-5120)

You may receive credit for an independent study of topics not included in the college's curriculum. If you are ready to learn on your own and are interested in studying a topic, contact your academic advisor or an instructor who teaches that subject. With that person, you can explore the possibility of an independent study project.

When you have agreed upon a subject, you and your appropriate faculty advisor can develop a learning contract for your proposed project.

This contract may include:

- A study of a topic which is not covered in an existing course.
- An in-depth study of a topic introduced in a course.
- Field studies.
- A study combined with tutoring sessions, regular meetings with your instructors, or seminars.
- Service activities.

After your faculty advisor and the program director approve the contract, you may register for independent study credit. When you complete your project, your grade will appear on your transcript. Your copy of the contract becomes the documentation of the content of the course. For more information, contact your academic advisor or the Advising and Counseling Center.

Distance Education

(399-5191)

You may earn college credit hours by enrolling in courses offered by television, by mail, and by computer modem. Students may be required to attend some class meetings on the Salem Campus.

Telecourses allow you to earn college credits at home. Assignments are based on televised lectures. You may view the broadcasts on your own set or watch videotapes of these classes at the Salem Public Library, at the Salem Campus Media Center, or at Chemeketa centers in Dallas, McMinnville, Stayton, or Woodburn. Chemeketa charges a fee of \$10 per telecourse in addition to tuition.

Chemeketa television (CTV) broadcasts live telecasts of Salem Campus classes to local Chemeketa centers. Two-way communication allows students at the centers to participate in the classes.

Courses by mail allow you to mail your completed assignments to the instructor, who checks them and mails comments back to you.

Courses by modem allow you to take classes at your convenience from your home or workplace. You'll need access to a computer, modem, and telecommunications software to send your coursework to campus and to communicate with your instructor and classmates.

Listings, registration procedures, and information about telecourses are published each term in the *Schedule of Classes*.



Student Development Services

Student-instructor conferences

You may confer with your instructors regarding class assignments and methods of study. Office hours are posted in each faculty office area.

Tutoring services

(399-5190)

For free tutoring, drop in at the Tutoring Center in Building 2 on the Salem Campus. If you have special needs or problems, contact the facilitator in the Tutoring Center. A current student ID card is required to use these services.

Volunteer tutoring services

(399-2557)

Volunteers offer basic-skills tutoring on a one-to-one basis in Salem and throughout the Chemeketa district. Contact the volunteer tutoring coordinator in Building 16.

Learning assistance and skills development classes

(399-5162)

Learning assistance services and skill-building classes are available to help you improve the academic skills you'll need to succeed in college. We offer individual and lecture classes in reading, study skills, problem solving, and thinking skills. For more information on these classes, contact the Learning Lab in Building 2, Room 112 on the Salem Campus.

English as a Second Language and bilingual assistance

(399-3902)

If English is not your native language and you want to increase your English language skills, contact the ESL Office in Building 16 on the Salem Campus. Staff members will help you learn to speak, read, and write English.

Services on the Salem Campus include:

Advising and Counseling Center—Building 2, 399-5120, for admission and career-planning assistance.

English as a Second Language program—Building 16, 399-3902.

Volunteer tutoring services—Building 16, 399-2557.

Counseling, tutoring, and English as a Second Language classes are also available at Chemeketa's centers in Dallas, McMinnville, Stayton, and Woodburn.

Adult Basic Education, General Educational Development (GED), High School Completion

For students who have not completed high school, Chemeketa offers Adult Basic Education, General Educational Development (GED), and High School Completion classes. See Page 29.

Services for students with disabilities

(399-5192 voice/TDD) and

Services for students who are deaf and hearing-impaired

(399-5022 voice or 399-5049 TDD)

The coordinator of services for persons with disabilities in Building 2 on the Salem Campus has information about services and facilities for students with disabilities.

Chemeketa's major buildings on the Salem Campus and at the Dallas, McMinnville, and Woodburn centers are designed to provide access for students with physical disabilities. Parking spaces are reserved for persons with handicap parking permits. Temporary permits are available from the Information and Public Safety Booth outside the main entrance to Building 2.

Assistance dogs may accompany their owners to Chemeketa, but no other animals are allowed.

The Technology Access for Life Needs (TALN) Project provides information and referral regarding the use of technology by persons with disabilities. These services include the use of adaptive computer systems, assistive communication devices, and other adaptive technology that may improve the performance of students with disabilities. For more information on the TALN Project call 399-6975.

If you have disabilities, including learning disabilities, you are encouraged to use campus support services. The coordinator of services for persons with disabilities is available to help you assess your needs, coordinate access to facilities and processes, and plan academic adjustments that will make classes accessible to you.

Chemeketa offers additional services if you are deaf or hearing impaired. These include counseling, interpreting, and special classes in language development and basic reading.

If you need an alternative format for this publication, call Alene Showers at 399-5192 (voice/TDD).

Student Services

Bookstore

(399-5131)

You may purchase books and supplies at the college Bookstore in Building 1 on the Salem Campus and at the McMinnville Center. Textbooks also are available at the beginning of each term at our centers in Dallas, Stayton, and Woodburn. The cost of books is included in the description of each professional-technical program. Costs range from \$450 to \$600 a year or about \$150 to \$200 a term.

Refunds—You may receive full refunds for books the first two weeks of each term for which they were purchased. All books must be returned in their original condition and accompanied by a sales receipt.

Used book buy back—Each term during finals week, the Salem Campus Bookstore pays cash (up to 50 percent of the purchase price) for used textbooks that are needed for the next term. At any time, the Bookstore buys used books at prices established by used book wholesalers.

Computers and software—Chemeketa students are eligible to purchase computers and software at special education prices. Some restrictions may apply. Contact the Salem Campus Bookstore for details.

Student identification cards

(399-5116)

A student photo identification card is recommended for all students. This card is necessary for access to computer labs; check-out and use of materials and equipment from the library, media services, and the gym; and the sale of used books back to the college Bookstore. The card also admits you to all college sporting events at no cost and entitles you to discounts for various activities.

You may obtain your student ID card at no cost in the Student Life Office in Building 3, Room 101, Mondays through Fridays, from 8 to 9 a.m., and Tuesday and Wednesday evenings from 6:30 to 8 p.m. The Student Life Office is open extended hours for processing student ID cards during the first two weeks of each term. Lost or stolen cards may be replaced for \$2.

First aid

(399-5023)

For first aid services on the Salem Campus, call 399-5023. There are also emergency red phones located throughout campus which will

About this catalog

Chemeketa publishes this catalog to give you, our students and public, current information about the college.

We make every effort to be sure that this information is accurate at the time of publication. However, sometimes the college finds it necessary to make some changes before the next catalog is printed. These changes may affect the costs, college policies and procedures, the calendar, and some curricula and courses.

Therefore, we do not consider the catalog as a hard and fast contract between you and the college; rather, we are trying to give as much relevant information as possible to all of you who may use our services.



connect you directly with the college's Public Safety Office. As the college has no physician, you must rely upon your personal physician, dentist, or clinic to meet other medical needs.

Parking on the Salem Campus (399-5023)

If you are a Chemeketa student who drives a motor vehicle on the Salem Campus during the day, the college requires you to have a parking permit. Pick up your permit at the Student Life Office in Building 3, the Cashier's Office in Building 22, or the Information and Public Safety Booth outside the main entrance to Building 2. Visitors may pick up parking permits at the Information and Public Safety Booth.

Along with your permit you will receive a copy of Chemeketa's traffic code. The college expects you to know and follow the rules for operating a motor vehicle on campus. These rules apply to any car you own, regardless of who is driving it.

The college suggests that you lock your car at all times and park in well-lit areas when on campus at night. More information about campus safety is contained in an annual report available from the Public Safety Booth.

Smoking on the Salem Campus (399-5023)

Chemeketa's Salem Campus has been designated as a no-smoking area with the exception of six specific outdoor locations. You may smoke at the north end of Building 28, the southeast covered area of Building 3, the covered area of Building 4 north of the graphics storage room, the northwest covered area of

Building 6, the covered area of Building 49 south of the patio, and the covered area of Building 50 near the high school completion rooms. These areas are posted as smoking areas.

Where to eat

The Breezeway, Building 2, 399-5180—sandwiches, soups, salads, pastries, grilled items, and fast foods.

Avenue 34, Building 34, 399-2543—breakfast, deli lunch, fast foods and food-to-go, hot meals, fresh desserts, and bakery items.

Slam Dunk Pizza, Building 7, 399-8895—Pizza (whole or by the slice) and salads. Call in/take out orders accepted.

Blue Moon Cafe, MaPS Building, 399-8005—50s dining including burgers, salads, blue plate specials, and fountain items.

Espresso Cart, Building 2—Espresso, gourmet coffees, and pastries.

There are also a number of snack and beverage vending machines located in many buildings on campus.

Student living accommodations (399-5116)

Chemeketa does not provide living accommodations. However, the Student Life Office in Building 3, Room 101 on the Salem Campus maintains a bulletin board listing available housing, including apartments for rent, rooms for rent in homes, homes for rent, and roommates wanted. You may post a notice and also check this bulletin board for housing. The office also distributes the *Apartment Guide*, which lists apartments in the Salem area. Also, read

the classified section of local newspapers for housing vacancies.

Child care

Chemeketa offers two child care programs on the Salem Campus.

Child Development Center, Building 39, 399-5107—As a training center for students enrolled in the Early Childhood Education program, the center offers full- or part-time care for approximately 35 children ages two-and-a-half to six years old. Applications are accepted at any time, but we advise you to apply early. Contact the center for applications and fee information.

Chemeketa Community Child Care Center, Building 50, 399-5174—This facility accepts about 90 children ages six weeks to six years old for full-day or short-term care. Parents who assist staff in the classroom pay reduced rates. Applications are accepted at any time for the current year. Contact the center for applications, fee information, and parent tours.

The Financial Aid Office, Building 22, Room 118, has a list of other child-care centers in the Salem area, or you may call Salem's Child Care Information Service, 585-2491. Local child care providers advertise their services on the bulletin board located outside the Student Life Office in Building 3, Room 101.

Lost and found

(399-5116)

Lost and found items are kept in the Student Life Office, Building 3, Room 101. If you have lost or found an item, please check with this office.

Bus passes

(399-5131)

Cherriot bus passes are available for purchase at the Bookstore in Building 1. Cherriot bus schedules are available at the Advising and Counseling Center in Building 2.

Ride sharing

If you would like to share a ride with another student, check the ride-share bulletin board on the first floor of Building 3. You can put up your own "ride-wanted" or "rider-wanted" notice by picking up a ride-share card from the Student Life Office, Building 3, Room 101, and posting it on the bulletin board across from the office.

Alcohol and drug support groups

(399-5116)

Support groups for substance dependency are coordinated through the Alcohol and Other Drugs Committee and staffed by volunteers. Times and locations of meetings vary each term. For more information contact the Student Life Office in Building 3, Room 101.

Career and Employment Advising and Services

Advising and Counseling Center (399-5120)

If you are interested in educational, vocational, or personal counseling, contact our Advising and Counseling Center in Building 2 on the Salem Campus, or make an appointment to see a counselor at a Chemeketa center in Dallas, McMinnville, Stayton, or Woodburn. Counseling services are available to both current and prospective students.

The Advising and Counseling Center offers the following services:

Individual assistance

Counselors offer individual help for program and course planning, career decision making, and personal problems. For assistance, drop in from 8 a.m. to 7:30 p.m. Mondays and Tuesdays or from 8 a.m. to 4:30 p.m. Wednesdays through Fridays. (Hours in summer and between terms are 8 a.m. to 4:30 p.m. Mondays through Fridays.) Diagnostic testing and assessment are available by appointment.

Career planning workshops

Career planning workshops are conducted by counseling staff for persons trying to decide upon a career. In these workshops you may:

- gain a better understanding of your interests, values, and skills.
- relate those characteristics to a wide variety of careers.
- find accurate information about occupations and the labor market.
- develop a personal plan of action.

Each workshop consists of a series of two to four sessions held over a period of two consecutive weeks. A schedule of workshops is published in each term's *Schedule of Classes*.

Career Resource Center

The Advising and Counseling Center maintains a comprehensive career resource center. You may use materials there to assist you in deciding upon a career. The center has information on career and job requirements, schooling and training opportunities, and the employment outlook. The center also has a library of current catalogs of Northwest colleges.

Career Information System

A computer-based Career Information System (CIS) is available for current and prospective students to use in career decision making. In using CIS, you respond to questions from the computer concerning your interests, abilities,

and preferences. The computer analyzes your responses and prints a list of occupations which may suit you.

In addition, you may:

- obtain descriptions of occupations.
- learn how to prepare and train for specific careers, and find out which schools offer such training.
- gather information about the availability of jobs.
- obtain salary information for occupations in Oregon.

Appointments are necessary. For more information or to arrange an appointment, contact the Advising and Counseling Center.

Micro-SKILLS program

Micro-SKILLS is a computerized program which allows you to compare your skills with those required in certain occupations.

DISCOVER

Another computer-based career information resource is DISCOVER. It complements CIS and provides a more in-depth assessment of your interests, abilities, and values. This system can search through 400 job titles, give information about occupations, and suggest appropriate educational and training institutions.

Academic advising

Chemeketa offers academic advising for all students. If you are enrolling in a program of study, you are assigned a faculty advisor in your program. If you are a full-time "exploratory" student who has not chosen a specific program of study, your assigned advisor will be one of your instructors. Some assignments are made through the automated computer system and notification mailed to the student. The Information Center in Building 2 on the Salem Campus keeps a current roster of advisor assignments.

If you attend only evening classes or are a part-time student, we encourage you to visit the Advising and Counseling Center periodically for academic advising. You may also consult with a counselor at one of our centers in Dallas, McMinnville, Stayton, or Woodburn.

Placement Resource Center (399-5026)

Chemeketa's Placement Resource Center in Building 17 on the Salem Campus offers the following free services for students looking for part-time jobs while going to school or for employment after they graduate:

Individual job search assistance

For individual assistance, make an appointment with the Placement Resource Center. If you are nearing graduation, we encourage you to visit the center at least one term before you

will graduate. The Placement Resource Center helps students and graduates with resumes, interviews, and employer contacts.

Job referral service

Part-time and full-time job opportunities are posted on bulletin boards in the Placement Resource Center. Referrals are issued to qualified students and graduates who are registered with the Placement Service.

On-campus recruiting

The Placement Resource Center works with employers who wish to come to the Salem Campus to recruit and interview graduating students. These visits are announced through special recruitment mailings, job postings at the center, announcements in class, or advertisements in the *The Chemeketa Courier*, the student newspaper.

Job search information and resources

Chemeketa students and graduates may use computers, printers, typewriters, a FAX machine, and a resource library of employer contact information and job search guides at the Placement Resource Center.

Videotapes on job search techniques are available in the Media Services area and at the Advising and Counseling Center, which are in Building 2 on the Salem Campus. They are also available at Chemeketa centers in Dallas, McMinnville, Stayton, and Woodburn and the Salem Public Library.

Job search seminars

These free seminars may make your job search easier and more productive. They are open to students and persons in the community. The series of five classes, meeting one hour a day, is offered three to four times a term. For more information, call 399-5026 or go to the Cooperative Work Experience Office in Building 17.

Classes are:

- Skills: What You Have to Offer
- The Search: Where to Look and How to Apply
- Resumes: How to Present Yourself on Paper
- Interviewing: How to Impress an Employer
- Interviewing: Practice This Skill and Get Feedback

Job Search Techniques class

This one-credit-hour course includes information on how to prepare yourself to look for a job and how to find and apply for a job. The class covers preparing and writing resumes, identifying the requirements of a job, determining what an employer looks for in a new employee, and practicing interview techniques. The class is listed under Job Search in each term's *Schedule of Classes*.



Definitions

Class - See course.

Course - A course is a subject or an instructional subdivision of a subject, usually offered during a single term.

Credit Hour - The number of credit hours granted for each course varies. In general, a student earns one credit for a lecture class that meets one hour per week per term, or three credits for a lecture class that meets three hours per week.

Courses with labs and some other courses may vary from this pattern.

The Course Description section of this catalog lists the value of each course in credit hours.

Curriculum - An organized program of study arranged to provide integrated cultural or professional education leading to a certificate or degree.

Elective - An optional rather than required course.

Sequence - Closely related courses extending through three terms.

Term - Approximately one quarter of the academic year. Fall, winter, and spring terms range in length from 11 to 12 weeks. Summer term runs for eight weeks.



Cooperative Work Experience (399-5026)

As a full-time or part-time Chemeketa student, you may gain on-the-job training in your career field through our Cooperative Work Experience (CWE) program. This program allows you to combine your classroom studies with related job experiences.

In this program, you work with a CWE coordinator to find a qualified position, or your current job may qualify if it relates to your studies. The college must approve your training site and the learning objectives you and your supervisor develop.

CWE training can help you establish references for future employment and expand your knowledge of and experience in a particular kind of work while you are earning college credit. CWE may also improve your ability to make the transition from school to work following completion of your program. You may enroll for a variable number of credits depending on the number of hours you work per week. You will participate in weekly seminars or meet with a faculty member on a regular basis to discuss your progress.

Most of Chemeketa's professional-technical programs include CWE either as an elective or as a graduation requirement. Transfer students may also participate in CWE for elective credit. The CWE office is in Building 17 on the Salem Campus.



Services to the Community

Training and Economic Development Center (399-5181)

Chemeketa's Training and Economic Development Center is a resource for business firms and organizations and for anyone who is starting a business. The center is located in Liberty Square, 365 Ferry Street S.E., in Salem.

The center assists our region's economic development by providing business assistance counseling as well as management and employee development workshops. You can choose from our regularly scheduled workshops or arrange for customized, on- or off-site training for your employees. Resources at the center include videotapes, books, periodicals, and computers for small business management use.

Chemeketa's one-year Small Business Management program is for business owners and operators. It includes counseling at the business site and evening classes on business topics.

The following services are available through the TED Center:

Work and family seminars—This series of seminars focus on balancing work and family issues. These seminars are intended to help employees be productive on the job while maintaining a caring family relationship.

Small Business Development—Classes and counseling are offered for those who wish to start a business and for those currently operating a small business.

Small Business Management Program—This 10-month program is for business owners and operators and includes counseling at the business site and evening classes on business topics.

American Management Association Extension Institute—Courses developed to meet the needs of working professionals who want to update their business and management skills.

Developmental Dimensions International: Skills for an Empowered Workforce—This skill-building program consists of a series of sessions designed to prepare today's leaders to manage, empower, and influence employees to do a better job.

Oregon Marketplace—This program helps local and international businesses by finding local suppliers of goods and services.

Macintosh lab—The lab contains 12 Macintosh SE computers plus additional equipment and software for group training. The lab is available for hardware and software training at the TED Center or at your business site.

MS/DOS Computer Lab—The portable lab contains 12 personal computers plus additional equipment and software for group training. The lab is available for hardware and software training at the TED Center or at your business site.

Oregon Advanced Technology Consortium (OATC)

(399-6058)

Twelve Oregon community colleges, including Chemeketa, comprise the Oregon Advanced Technology Consortium (OATC) and concentrate their individual expertise in advanced technology.

The OATC's mission is to improve competitiveness through training in advanced technology and through technology transfer, which aims to reduce the time lag between technology innovation and actual application in the work place.

Examples of the services provided by the OATC include identifying potential new technologies for specific industries, demonstrating and testing those technologies, and training for managers who implement those technologies.

Check the *Schedule of Classes* for OATC training opportunities.

Short-term training

399-6989

Chemeketa has a variety of short-term training options which may lead to employment opportunities for you.

Currently Chemeketa's short-term training consists of more than 40 offerings including office administration and technology, basic computer literacy, nursing assistant, medication aide, medical claims analyst, medical receptionist/clerk, construction, family day care provider, and custodian. Offerings include credit and non-credit classes which range in length from one week to four terms. Students in some programs may be eligible for Pell Grants.

Some short-term training opportunities start at the beginning of the term and run for the length of a term, usually 11 to 12 weeks. Others are offered on an open entry/open exit basis in which students may begin at any time during the term and leave when they have completed the requirements of the program. Nearly all of the short-term training options include practical experience at a local job site.

Some of the credit short-term training options may apply to the Associate of Applied Science, the Associate of General Studies, and the Oregon Associate of Arts transfer degrees. Check with the Advising and Counseling Center to determine if your coursework will apply.

New short-term training is designed as employment information indicates that it would be useful. Check with the Advising and Counseling Center in Building 2 on the Salem Campus (399-5120) for the most current list of short-term training options.

Campus Gallery

(399-2533)

Chemeketa's art gallery is in Building 3, Room 122 on the Salem Campus. It presents juried exhibits of professional artists from around the country. Several shows a year, featuring a wide variety of media, are open for viewing by students, staff, and the public.

Chemeketa Cooperative Regional Library Service

(399-5119)

The college library is part of the Chemeketa Cooperative Regional Library Service (CCRLS), along with 17 public libraries in the college district.

This cooperative, tax-supported effort provides library service to district residents who have no access to a local library. Member libraries share their resources and honor library cards issued by all member libraries. CCRLS also provides



central reference services and book delivery between libraries.

An automated, on-line catalog listing over 300,000 titles found in CCRLS libraries is available in each library. Patrons can search by author, title, or subject to find materials in any member libraries. Dial-in access is also available for those who have modems.

Planetarium

(399-5161)

Chemeketa's Planetarium is in Building 2 on the Salem Campus. It features a Spitz model 512 sky instrument which projects 2,500 stars, five planets, the sun and moon, and sky coordinates on a 35-foot metal dome. This instrument can project the sky for any date—past, present, or future—as seen from any location on earth, and can simulate all motions of the earth.

Chemeketa usually presents two sky shows each fall, winter, and spring term. Showings are scheduled each week during a term. There is an admission fee with a special rate for families. Call 399-5161 to arrange group showings for schools, clubs, and organizations.

Technology Access for Life Needs (TALN) Project

(399-6975)

The TALN Project provides information and referral regarding the use of technology by persons with disabilities. For more information on the TALN Project see **Services for students with disabilities** on Page 18.

Student Life

Special programs and activities

(399-5116)

At Chemeketa, we believe that activities outside the classroom are important, for they involve students more fully in their education.

Our student activities program is designed to respond to your recreational and social interests and needs.

Students assume most of the responsibilities for Salem Campus activities, with guidance and advisement from the Student Life Office staff. Students develop and administer most programs, including clubs and campus social and recreational programs.

Activities vary throughout the year, depending upon student interests. These activities and opportunities are planned for you. For more information, contact officers of the Associated Students of Chemeketa Community College (ASCCC) or the Student Life Office in Building 3, Room 101 on the Salem Campus. There are numerous opportunities for students to participate in student governance.

Student leadership opportunities

Associated Students of Chemeketa Community College (399-5117)

Associated Students of Chemeketa Community College (ASCCC) is the official organization for students. Membership is open to all registered Chemeketa students.

There are two representative bodies of ASCCC: the Student Senate and the Executive Council. The Student Senate consists of 11 appointed student representatives. The Executive Council consists of five elected and appointed officers: executive for college representation, executive for senate, executive for finance, executive for campus clubs and organizations, and executive for campus issues.

ASCCC sponsors films, dances, concerts, excursions, lectures, and other entertaining, educational, recreational, and cultural activities. These are planned to meet the needs and interests of the diverse student population.

ASCCC coordinates numerous service projects for students and the Chemeketa community. These projects include the Red Cross blood drive, recycling efforts, blood and cholesterol screenings, food drives, and a student-to-student book exchange.

The Chemeketa Courier (student newspaper) (399-5134)

The Chemeketa Courier, Chemeketa's student newspaper, is published weekly during fall, winter, and spring terms. Written and prepared by journalism students using electronic desktop publishing equipment, the newspaper has won several awards from the Oregon Newspaper Publishers Association.

If you are interested in joining *The Chemeketa Courier* staff as a reporter or photographer, apply for a staff position by contacting the newspaper advisor.

Literary publication—A select humanities faculty group solicits student literary contributions throughout the year. Works are reviewed and selected entries are published as a literary supplement to *The Chemeketa Courier*.

Chemeketa Internship Program (ChIPs) (399-5116)

This internship program can give you the opportunity to work as a student intern in a variety of college settings. Students are selected on the basis of their interests, abilities, and experiences working with people. ChIPs students conduct campus tours and provide assistance to prospective students through personal telephone contacts and correspondence. They are also involved in recruitment, promotional and special events, high school visitations, and working with international and multi-cultural students.

Student clubs and organizations

ASCCC recognizes a number of organizations which provide a variety of activities for students. Among them are:

- American Society of Certified Engineering Technicians (ASCET)
- Cheerleading Club
- Chess Club
- Christian Fellowship Club
- Data Processing Management Association (DPMA)
- Deaf and Hearing Impaired Club
- Fire Protection Club
- Forestry Club
- German Club
- Health Occupation Students of America (HOSA)
- Institute of Management Accountants (IMA)
- Instrument Society of America (ISA)
- International Conference of Building Officials (ICBO)
- International Students Club
- Juntos Club
- Latter-day Saints Club
- Native American Club
- Outdoor Club
- Phi Theta Kappa
- Political Action Club
- Ski Club
- Social Club
- Society of Hosteurs (hospitality management)
- Soccer Club
- Society of Manufacturing Engineers (SME)
- Student Nurses Organization (SNO)
- Triangle Society

For more information about clubs and organizations on the Salem Campus, contact ASCCC or the Student Life Office in Building 3.

Committees

Student representatives serve on campus-wide committees with Chemeketa staff. The ASCCC



Chemeketa Centers

Extended Learning (formerly known as Community Education) information may be obtained in Building 50 on the Salem Campus, or by calling 399-5135. If you live outside the Salem area, call one of our local centers for information:

Chemeketa Dallas Center
182 SW Academy Street
623-5567 or 399-5206

Chemeketa McMinnville Center
500 N Hill Road
472-9482 or 399-5219

Chemeketa Stayton Center
756 W Locust Street
769-7738 or 399-5215

Chemeketa Woodburn Center
120 E Lincoln Street
981-8820 or 399-5207



president appoints student representatives to the following committees:

- Academic Standards
- Alcohol and Other Drugs
- Curriculum
- Multi-cultural
- Risk Management
- Student Success

Community Colleges of Oregon Student Association and Commissions (CCOSAC) (399-5117)

ASCCC has a representative on the board of the Community Colleges of Oregon Student Association and Commissions (CCOSAC), a state-wide student-run organization representing more than 260,000 community college students in Oregon.

CCOSAC has various paid and unpaid positions for students who lobby the state government about community college concerns. If you are interested in such work, contact the student body president.

Cultural Forum (399-5116)

The Cultural Forum's goal is to increase the college community's cultural awareness, to support the many cultures on campus, and to increase the development of intercultural communication skills. The forum is staffed by a diverse student team. This team researches and plans projects and events with the help of Chemeketa staff and students.

Mentor Program (399-5116)

The Mentor Program gives Chemeketa students an opportunity to take part in a community service project. Student mentors are trained to assist middle school students, one-on-one, in developing positive self-esteem and encouraging them to continue their education. Mentors attend a seminar course for academic credit which will combine large group study/training with small group consultations. Each mentor meets weekly at the middle school to assist in class assignments and other group or one-to-one situations.

Intercollegiate athletics (399-5081)

Chemeketa is a member of the Northwest Athletic Association of Community Colleges (NWAACC). The association includes all community colleges in western Oregon and western Washington. A highly organized program affords quality competitive opportunities for students. In keeping with the standards of the program, emphasis is put on academic progress as well as athletic opportunity.

Chemeketa fields teams in men's baseball, men's and women's basketball, men's and women's track, and women's volleyball.



If you participate in interscholastic sports, a physical examination and documentation of immunization for measles are required. Team travel, uniforms, and health insurance are provided. Contact the Physical Education Office in Building 7 for more information.

Education for the Community

Off-campus classes

We hold classes not only on the Salem Campus but also at a number of off-campus Salem locations; at our college centers at Dallas, McMinnville, Stayton, and Woodburn; and at other convenient sites in the district and communities.

Committed to lifelong learning, the college schedules a wide variety of credit and non-credit classes, workshops, seminars, and special programs which meet during the day, evening, and on weekends. These include college transfer courses; professional-technical and job skill-upgrading classes; and personal enrichment classes in languages, art, first aid, health, and

As you begin classes at Chemeketa Community College, you may already have an educational goal in mind. If not, you have several options from which to choose.

Chemeketa's academic programs allow you to earn either an Oregon Associate of Arts transfer degree or an Associate of Applied Science degree or a Certificate of Completion. Or you may wish to complete the first two years of college at Chemeketa and then transfer credits to a four-year college or university.

Degrees

Graduates of Chemeketa's two-year programs are awarded an Oregon Associate of Arts transfer degree, an Associate of Applied Science degree, or an Associate of General Studies degree. All are nationally-recognized degrees.

Oregon Associate of Arts transfer degree

The Oregon Associate of Arts transfer degree program encompasses the core curriculum of a liberal arts education. This core includes coursework in each of the areas of communications, humanities, social sciences, mathematics, sciences, computer science, and physical education or health. In addition, students are encouraged to explore a broad range of subjects through elective course work.

You may wish to pursue an Associate of Arts degree while earning college transfer credits. It is easy to earn an A.A. degree while at the same time preparing to transfer to a four-year school or university. If you enroll full time, it usually takes two years to meet the A.A. degree requirements.

See the Program Guide on Pages 42 and 43 for a complete list of our transfer programs. Information and curriculum outlines of these programs begin on Page 44.

Students who earn an Oregon Associate of Arts transfer degree from Chemeketa will have fulfilled the lower division general education requirements at any of the schools in the Oregon State System of Higher Education.

To qualify for an Oregon Associate of Arts transfer degree, you must meet the requirements listed on Page 30.

Associate of Applied Science degree

Chemeketa, with its emphasis on professional-technical education, offers training in more than 40 occupations.

In most of these programs, you may earn an Associate of Applied Science degree. If you enroll full time, it usually takes two years to meet the A.A.S. degree requirements.

See the Program Guide on Pages 42 and 43 for a complete list of A.A.S. degree programs. Information and curriculum outlines of these programs begin on Page 44 along with college transfer curricula.

To qualify for an Associate of Applied Science degree, you must meet the requirements listed on Page 31.

Associate of General Studies degree

The Associate of General Studies degree addresses the needs of students who are not seeking an Oregon Associate of Arts transfer degree or the specific program requirements of an Associate of Applied Science degree. This degree allows you to combine a broad core of basic courses with a program of study that may be tailored to your academic or professional goals.

You may wish to use this degree to enhance your employment, to fulfill the requirements of a specific four-year college program, or to meet the special expectations of agency-sponsored students.

To qualify for an Associate of General Studies degree, you must meet the requirements listed on Page 32.

Graduation

As a student, you, with the guidance of your advisor, are responsible for fulfilling the requirements for graduation.

As a candidate for graduation, fill out an Application for a Degree or Certificate form. Return the form to the Registrar's Office by the fourth week of the academic term before the term in which you will complete the program requirements. Dates when applications for graduation are due are listed in the calendar published each term in the *Schedule of Classes*.

Degrees and certificates become official when graduation information is recorded on your transcript.

If you plan to complete the requirements for your degree during summer term, you may request to participate in graduation exercises held the preceding June. To do this, contact the Student Life Office, Building 3, Room 101.

If your studies are interrupted by two years or more, you may find upon your return to Chemeketa that some of the requirements for graduation have been changed. You may have to complete the new requirements in order to earn your certificate or degree.

You may be allowed to make substitutions in the curriculum and still meet graduation requirements by following these steps:

- Discuss the substitutions with your program director or academic advisor.
- Gain approval of the program director to make the substitution.

- Submit a Curriculum Deviation Form, signed by your program director, to the Registrar. This form shows that the substitution will benefit you without changing the quality of your program. The Registrar may then grant the substitution.

Chemeketa awards adult high school diplomas through its High School Completion program. The Oregon Department of Education issues General Educational Development (GED) certificates. Students receive these diplomas and certificates at a graduation ceremony in June. For details on the High School Completion and GED programs, see this page.

Classes required to complete the programs outlined in this catalog are offered on the Salem Campus. Some of the classes are also offered at Chemeketa's centers in Dallas, McMinnville, Stayton, and Woodburn.

Certificate of Completion

You will receive a Certificate of Completion if you meet the requirements of certain one-year professional-technical programs.

See the Program Guide on Pages 42 and 43 for a complete list of Certificate of Completion programs. Information and curriculum outlines of these programs begin on Page 44 along with college transfer curricula.

You may earn a Certificate of Completion by meeting these requirements:

- Satisfactorily complete the required courses or credit hours listed for each program.
- Earn a cumulative grade point average of 2.0 or above for all course work which applies to the certificate.
- Complete a minimum of 15 credit hours at Chemeketa.
- All courses to be applied toward a certificate must be numbered 050 or higher.

High School Completion, GED, and ABE

Chemeketa has several programs to help you earn the credits you need to receive a high school diploma or its equivalent. The college also offers special classes to help you improve the basic skills which are important when you enroll in college-level courses.

Adult high school diploma program (399-5115)

In Chemeketa's adult high school diploma program, you may earn the credits you need to receive a high school diploma.

To enroll in the adult high school diploma program, take copies of your high school and college transcripts to the High School Completion Office in Building 50 on the Salem Campus or to one of Chemeketa's centers in Dallas, McMinnville, Stayton, or Woodburn. Chemeketa staff members will evaluate your transcripts.

At Chemeketa, you may earn credits toward a high school diploma in three ways:

- Enroll in high school completion classes offered on the Salem Campus and at Chemeketa's centers in Dallas, McMinnville, Stayton, or Woodburn.
- Earn high school credit for most Chemeketa classes.
- Receive credit for some of your life experiences. These may be skills and knowledge you learned on a job, doing volunteer work, managing a home, or serving in a branch of the military service. Chemeketa staff members will evaluate your experiences to award you credit.

Twenty-two credits and 13 competencies are required to complete the high school diploma program. To be in the program, you must be 16 years or older. You must have a release from your high school if you are under 19 years old.

General Educational Development (GED) (399-5224)

You may earn a high school equivalency certificate by passing General Educational Development (GED) tests. These are five tests covering writing skills, social studies, the sciences, literature and the arts, and mathematics.

Chemeketa offers classes throughout the college district to help you prepare for these tests. You may enroll any week during the term and progress at your own pace. Classes are held at our centers in Dallas, McMinnville, Stayton, and Woodburn; the Yamhill County Cooperative Learning Center; the Salem Campus; and at the Downtown Learning Center. Generally, you must be 19 years or older, but if you are 16 to 18 years old, you may enroll if you have a release from your high school. Special tuition rates may apply.

GED tests are given in Salem, McMinnville, and Woodburn. The testing fee is \$45.

Adult Basic Education (399-5224)

If you do not have a high school diploma or if you need to upgrade your basic skills, you may sign up for non-credit classes in basic English,

Oregon Associate of Arts Transfer Degree Requirements

Requirements	Credit hrs.	Courses which satisfy requirements
Complete a minimum of 93 credit hours. These must include the following:		
General Education Requirements		
<i>Writing</i> (with grade "C" or better)	9	WR121, WR122, and WR123, or WR227
<i>Math</i> (with grade "C" or better)	4	MTH105 or above
<i>Oral Communication/Rhetoric</i> (with grade "C" or better)	3	SP111, SP112, SP113, SP114, SP115, SP130, or SP230
<i>Physical Education or Health</i>	3	Any PE180, PE185, or PE190 classes (one credit each); HE250 (three credits); or HPE295 (three credits). No more than 12 credits of PE185 may be applied toward an A.A. degree.
<i>Computer Studies</i>	3	CIS120, CS101, CS131, CS133F, CS161, or other computer information science or computer study courses.
Distribution Requirements		
<i>Arts and Letters</i> A minimum of 12 credits chosen from at least two disciplines with no more than nine credits from one discipline. Each course must be worth at least three credits. Note: The course taken to meet the oral communication/rhetoric requirement above may not be used to meet this requirement.	12	ART101, 115, 116, 117, 119, 154, 155, 156, 197, 204, 205, 206, 221, 225, 231, 233, 244, 245, 246, 254, 260, 261, 271, 272, 273, 274, 281, 284, 285, 286, 291, 292, 293; ENG104, 105, 106, 107, 108, 109, 201, 202, 203, 204, 205, 206, 253, 254, 255, 260, 261, 262, 263; FA251, 255, 256, 257; FR201, 202, 203; GER201, 202, 203; HUM100; JPN201, 202, 203; J216, 217, 224, 225, 226; MS251, 252, 253, 259; MUS201, 202, 203; PHL201, 202, 203, 204, 205; SP105, 111, 112, 113, 114, 115, 130, 230; SPAN201, 202, 203; TA110, 121, 122, 123, 261, 285C
<i>Social Sciences</i> A minimum of 15 credits chosen from at least two disciplines with no more than nine credits from one discipline.	15	ANTH101, 102, 103, 207, 208, 209; EC200, 201, 202, 203; GEOG105, 106, 107, 201, 202; HST110, 111, 112, 157, 158, 159, 201, 202, 203, 257, 258, 259; PS151, 201, 202, 203, 205; PSY100, 101, 102, 114, 119, 201, 202, 203, 206, 211, 219, 237, 239, 246; SOC204, 205, 206, 210, 221, 227, 250, 291, 292; SSC150, 151
<i>Sciences, Math, Computer Science</i> Minimum of 15 credits (including at least 12 credits in biological or physical sciences with laboratories) chosen from at least two disciplines. Note: The course taken to meet the math requirement above may not be used to meet this requirement.	15	Choose 12 credits from: BI101, 102, 103, 103A, 200, 231, 232, 233, 234; BOT201, 202, 203; CH104, 105, 106, 115, 116, 117, 121, 122, 123, 150, 201, 202, 203, 221, 222, 223, 241, 242, 243; G142, 143, 144, 201, 202, 203; GS104, 105, 106, 108, 141, 142, 143; PH201, 202, 203, 207, 208, 209, 211, 212, 213 Additional credits to bring total to 15 credits may be chosen from the list above or from the following: CIS120, 121, 122; CS101, 113, 125DB, 125E, 125FX, 125P, 125Q, 125S, 131, 133A, 133B, 133C, 133E, 133F, 133R, 133U, 135DB, 135SS, 140A, 140B, 145, 161, 162, 171, 233A, 233B, 233C, 233I, 233M, 233U, 234C, 234I, 237, 240, 244, 246, 252B, 260, 270, 278, 279; G160; GS120, MTH105, 111, 112, 211, 212, 213, 231, 232, 241, 251, 252, 253, 254, 255, 256; OC133; PH121
Electives Up to 12 credit hours in specialty program courses may be applied toward the 93 credit hours required for the A.A. degree. All other courses must be numbered 100 or higher.		All courses numbered 100-299 except ENG116. May include 12 credit hours in courses numbered 050-099 except the following: COM051, 052, 053; MTH051 through 095; OA084, 085; RD090.
Earn a cumulative grade point average (GPA) of 2.0 or above in all work to be applied toward the degree.		
Complete a minimum of 30 credit hours at Chemeketa.		

Notes: Additional courses necessary to bring the total number of credits to 93.

Associate of Applied Science Degree Requirements

Requirements	Courses/areas which satisfy requirements
Satisfactorily complete the required courses and credit hours listed for each program in the Programs of Study section of this catalog.	
<p>General Education Requirements You will meet the general education requirements if you follow the curriculum outline listed for your program. In some cases the program specifies exactly which of the courses you should take. The courses listed below meet the college's general education requirement.</p>	
Writing	One class of WR115 , WR121 , BA214 , COM051 , or OA084 or any higher numbered writing class
Math	One class of MTH052 or any higher numbered math course
Computer Literacy	Approved program-related instruction on computers or three credit hours of computer studies
Three credit hours from each of three of the four following areas:	
Social Science	Anthropology, Economics, Geography, History, Human Development/Family Studies, Political Science, Psychology, Social Science, Sociology , Women's Studies
Humanities/Fine Arts	Art, English, Film Art, Foreign Language, American Sign Language, Humanities, Multidisciplinary Studies, Music, Philosophy , Religion, Theater Arts
Science/Applied Science	Approved program-related instruction may satisfy this requirement, or courses in Biology, Botany, Chemistry, Foods and Nutrition, General Science, Geology, Oceanography, Physical Science, Zoology
Communications	Communication Skills, English as a Non-native Language, Journalism, Speech, Writing, Reading, plus these specific classes: RD115, RD116, and HD112
Three additional credits from any of these areas:	
Communications	
Health Education	
Humanities/Fine Arts	
Math	
Physical Education	
Science	
Social Science	
Complete a minimum of 30 credit hours at Chemeketa.	
Earn a cumulative grade point average (GPA) of 2.0 or above for all course credits which apply toward the degree. Only courses numbered 050 or higher apply toward the degree.	
Programs requiring grade C or better in all courses (as specified in the Programs of Study section of this catalog) will supercede the above wording.	

- Notes:**
1. We recommend that you see an advisor for guidance before you enroll.
 2. Some of Oregon's four-year institutions accept certain courses in professional-technical programs as college transfer courses. If you are interested in continuing your education after completing a Chemeketa program, check with the institution you plan to attend.



Associate of General Studies Degree Requirements

Requirements	Credit hrs.	Courses which satisfy requirements
Complete a minimum of 90 credit hours. These must include the following:		
<i>Writing</i> (with grade "C" or better)	6	WR121 and one additional course from WR122, 123, 227, 241, 242, 243 or BA214
<i>Math</i> (with grade "C" or better)	4	MTH095 or above
<i>Speech</i> (with grade "C" or better)	3	SP111 or above
<i>Computer Studies</i>	3	CIS120, CS101, or other computer information science or computer study courses; DRF072; ELT091; GE102; OA200
<i>*Physical Education or Health</i>	3	Any three-credit health course with an HE prefix; HPE295 (three credits); or three terms of PE180, PE185, or PE190 classes (one credit each)
<i>Computer Studies</i>	3	CIS120, CS101, CS131, CS133B, CS161, or other computer information science or computer study courses; DRF072; ELT091; GE102; OA200, 201; VC051, 061
<i>Arts and Letters/Humanities</i>	9	Choose courses from Art, English, Film Art, French, German, Humanities, Journalism, Japanese, Music Performance, Music, Philosophy, Religion, Speech, Spanish, Theater Arts, Writing
<i>Social Science</i> (Courses must be chosen from at least two disciplines.)	12	Choose courses from Anthropology, Economics, Geography, History, Political Science, Psychology, Sociology, Social Science, Women's Studies
<i>Science</i> (Courses must include a laboratory.)	8	Choose courses from Biology, Botany, Chemistry, Geology, General Science, Physics, Zoology
<i>Electives:</i> Up to 36 credit hours in professional-technical courses may be applied toward the 90 credit hours required for the degree. All other courses must be numbered 100 or above.		All courses numbered 050-099
Earn a cumulative grade point average (GPA) of 2.0 or above in all work to be applied toward the degree.		
Complete a minimum of 30 credit hours at Chemeketa.		

- Notes:**
- *1. A maximum of 12 credit hours of physical education may be applied toward the degree.
 2. A maximum of 12 credit hours of cooperative work experience may be applied toward the degree.

mathematics, and reading. These classes and General Educational Development (GED) classes meet together. Classes are held on the Salem Campus, at the Downtown Learning Center and the Yamhill County Cooperative Learning Center, and at our centers in Dallas, McMinnville, Stayton, and Woodburn.

College Transfer Information

Chemeketa offers courses for students who wish to pursue a four-year degree at a public or private college or university. You can complete all or most of the general education requirements of the four-year institution and begin work on the requirements for a specific major. (General education requirements are the courses required of all students, regardless of major or type of degree, in order to graduate from a college or university.)

The advantages of beginning college studies at Chemeketa include smaller classes, lower costs, individual help from instructors, and an opportunity to improve basic skills.

Chemeketa's college transfer programs are adapted from curriculum requirements listed in the most recent catalogs of Oregon's public four-year colleges and universities. The Advising and Counseling Center in Building 2 on the Salem Campus and academic advisors have the catalogs. You may also meet with a counselor to review the requirements at Chemeketa's Dallas, McMinnville, Stayton, and Woodburn centers.

It is the responsibility of students to learn the program requirements of the school to which they plan to transfer. Students should periodically contact the Advising and Counseling Center or their advisor for academic advising and to learn of any possible changes in a program.

See the Program Guide on Pages 42 and 43 for a list of our college transfer programs. Information and curriculum outlines for these programs begin on Page 44.

If you are interested in a field not listed in this catalog, you may be able to arrange a satisfactory program of study by consulting with one of our counselors and with the institution to which you plan to transfer.

If you plan to transfer credits toward a bachelor's degree, follow these steps:

- Contact the four-year college you plan to attend to check entrance requirements and the suggested freshman and sophomore classes required in your chosen field.
- Confer with a Chemeketa counselor or an academic advisor before you register.



- Check with the four-year college a term or two before completing your work at Chemeketa to make sure you are meeting all requirements.
- Apply for admission and transfer your credits to the four-year institution.

Should you wish to transfer to a private college or university, consult with one of our counselors or with the institution you plan to attend for help in determining the education requirements.

The Advising and Counseling Center has advising sheets available for programs at Bassist College, Concordia College (Business, Education, Management and Communications, Health Care Administration, and Social Work), George Fox College (General Education and Management of Human Resources), Linfield College (Business, General Education, Management, and Nursing), Oregon Health Sciences University (Nursing), Pacific University (General Education, Occupational Therapy, Optometry, and Physical Therapy), University of Portland (Business, Education, Engineering, and Nursing), Warner Pacific College (Business Administration), Western Baptist College (Elementary Education and General Education), Western States Chiropractic College, and Willamette University (General Education), as well as for Oregon's public four-year colleges and universities.

While our college transfer courses are similar to those offered by Oregon's four-year institutions, all of these institutions may not accept all Chemeketa credit courses as transfer credits. Check with the institution you plan to attend.

General education requirements for seven public four-year schools in Oregon are listed on the following pages.

Requirements	Credit hours	Chemeketa courses which satisfy requirements
Humanities (Choose courses from at least two different prefixes other than your major.)	Minimum 15 hours	ART101, 204, 205, 206; ENG104, 105, 106, 107, 108, 109, 201, 202, 203, 204, 205, 206, 253, 254, 255, 260, 261, 262, 263; FA255, 256, 257; HUM100; MS251, 252, 253; MUS201, 202, 203; PHL201, 202, 203; R199; SP115; TA110
Natural Science (Choose courses from at least two different prefixes other than your major.)	Minimum 15 hours	ANTH101; BI101, 102, 103, 200; BOT201, 202, 203; CH104, 105, 106, 115, 116, 117, 121, 122, 123, 201, 202, 203, 221, 222, 223; G201, 202, 203; GEOG105; GS104, 105, 106, 120, 141, 142, 143; OC133; PH121, 201, 202, 203, 207, 208, 209, 211, 212, 213; PSY211, 219; Z00201, 202, 203
Social Science (Choose courses from at least two different prefixes other than your major.)	Minimum 15 hours	ANTH102, 103, 207, 208, 209; EC200, 201, 202, 203; GEOG106, 107, 201, 202; HST110, 111, 112, 157, 158, 159, 201, 202, 203, 257, 258, 259; PS201, 202, 203, 205; PSY201, 202, 203, 237; SOC204, 205, 206
Arts, Languages, and Logic (Choose courses outside of your major.)	Minimum 15 hours	
Artistic Creation (Sub-Area 1)	3 to 12 hours	ART115, 116, 117, 154, 155, 156, 221, 225, 231, 244, 254, 260, 261, 271, 272, 281, 284, 291, 292, 293; MUP100, 174; MUS199; TA121, 122, 123, 261; WR199A, 241, 242, 243
Languages and Logic (Sub-Area 2)	3 to 12 hours	CS140B; FR101, 102, 103, 150, 151, 201, 202, 203; GER101, 102, 103, 150, 151, 201, 202, 203; JPN101, 102, 103, 201, 202, 203; MTH105, 211, 212, 213; NOR101, 102, 103; PHL204, RUS101, 102, 103; SP114; SPAN101, 102, 103, 150, 151, 201, 202, 203

- Notes:**
1. A maximum of 108 credit hours earned at a community college may be applied toward a baccalaureate degree.
 2. The Writing Proficiency Exam (WPE) must be attempted prior to admission to a major degree program and must be passed prior to graduation from Eastern. Students are required to complete writing courses through WR121 or, upon entering, demonstrate a Test of Standard Written English (TSWE) score of 45 or better before attempting the WPE given at Eastern.
 3. Students who have earned an Associate of Arts (A.A.) transfer degree from Chemeketa Community College will be considered as having met the lower division General Education Distribution Requirements at Eastern.
 4. **General Education Distribution Requirements:** In the absence of an A.A. degree from an Oregon community college, students must complete a minimum of 15 credits in each of the following four areas: Humanities; Natural Science; Social Science; and Arts, Languages, and Logic. Within each of the four areas a student must have completed courses with at least two different prefixes other than the prefix or prefixes of the student's major. No more than 12 hours in a discipline may be applied in an area.
 5. For the Bachelor of Science (B.S.) degree: In addition to completing the General Education Distribution Requirements, students are required to demonstrate the application of mathematics at the college level. Means for satisfying this requirement are described in each major at Eastern.
 6. For the Bachelor of Arts (B.A.) degree: In addition to completing the General Education Distribution Requirements, students are required to demonstrate proficiency in a single foreign language (two years or completion of a second-year foreign language course sequence or equivalency).
 7. Courses in which "D" grades have been earned will transfer to Eastern.
 8. This guide is subject to change without notice and should not be regarded as a contract between Eastern and students attending Chemeketa Community College.

Requirements	Credit hours	Chemeketa courses which satisfy requirements
Communication Speech English Composition Nine additional credits from speech/writing courses having WRI122 OR SPE111 as a prerequisite; specified by the major department from the following: WRI123, 214, 227; 230, 231, 322, 323, 327; SPE321.	3 6 9	SP111 WR121 and 122 WR123, 227; BA214; SP113; no equivalent courses for WR230, 231, 322, 323, 327
Business Nine credits of business and industrial management.	9	BA200 courses that are appropriate to the projected major at OIT
Humanities Nine credits selected by student or specified by a major department.	9	ART101, 115, 116, 117, 119, 154, 155, 156, 197, 204, 205, 206, 221, 225, 231, 232, 233, 244, 245, 246, 254, 260, 261, 271, 272, 273, 274, 281, 284, 285, 286, 291, 292, 293, 299; ENG104, 105, 106, 107, 108, 109, 201, 202, 203, 204, 205, 206, 253, 254, 255, 260, 261, 262, 263; FA251, 255, 256, 257; FR201, 202, 203; GER201, 202, 203; HUM100, 199A; JPN201, 202, 203; MUP101, 105, 199; MUS134, 197, 199, 201, 202, 203; PHL201, 202, 203, 204, 205; SPAN201, 202, 203; TA110, 121, 122, 123, 285
Social Sciences 12 credits selected by student or specified by a major department.	12	ANTH101, 102, 103, 207, 208, 209; CJ101, 110, 131, 200, 202, 206, 220, 226; EC200, 201, 202, 203; GEOG105, 106, 107, 201, 202; HST110, 111, 112, 157, 158, 159, 201, 202, 203, 257, 258, 259; PS201, 202, 203, 205; PSY100, 101, 201, 202, 203, 206, 211, 219, 237, 239, 246; SOC198, 204, 205, 206, 210, 221, 227, 291, 292; SSC150; WS101, 102, 103
Technology Twelve credits selected by student or specified by a major department from technical electives offered by a major department. At least one computer course is required.	12	ENGR211, 212, 213. Select computer course from CIS120, 121, 122; CS101, 131, 133A, 133B, 133C, 133F, 133U, 140B, 140U, 161, 162, 233C, 233I, 233M, 233U, 240, 244, 246, 260
Science/Mathematics College Algebra Twelve additional credits selected by student or specified by a major department from biological sciences, mathematics, or physical science.	4 12	MTH111 BI101, 102, 103, 103A, 200, 231, 232, 233, 234; BOT201, 202, 203; CH104, 105, 106, 121, 122, 123, 201, 202, 203, 221, 222, 223, 241, 242, 243; G142, 143, 144, 201, 202, 203; GS104, 105, 106; HE268; MTH105, 112, 231, 243, 251, 252, 253, 254, 255, 256; OC133; PH121, 201, 202, 203, 207, 208, 209, 211, 212, 213; ZOO201, 202, 203

- Notes:**
1. A maximum of 108 credit hours earned at a community college may be applied toward a baccalaureate degree.
 2. Courses in which "D" grades have been earned will not transfer to OIT.
 3. Students with an Oregon Associate of Arts (A.A.) transfer degree from Chemeketa Community College will be considered as having met the lower division General Education Requirements at OIT.
 4. This guide is subject to change without notice and should not be regarded as a contract between OIT and students attending Chemeketa Community College.



Requirements	Credit hours	Chemeketa courses which satisfy requirements
Writing I	3	WR121 (must be completed before transferring)
Writing II	3	BA214; J216; WR122, 123, 227, 241, 242, 243
Writing III/Speech	3	Any courses listed to meet Writing II requirements not taken to meet the Writing II requirements or SP111, 112
Mathematics	4 or 5	MTH105, 111, or higher math (must be completed before transferring)
Fitness	3	HPE295
Writing Intensive Course		(Must be taken at OSU as part of major.)
Physical Science Including lab	4 to 5	CH104, 105, 106, 115, 116, 117, 121, 122, 123, 201, 202, 203, 221, 222, 223; G201, 202, 203; GS104, 105, 106; PH201, 202, 203, 207, 208, 209, 211, 212, 213
Biological Science Including lab	4	BI101, 102, 103, 200, 234; BOT201, 202, 203; ZOO201, 202, 203
One additional Physical Science or Biological Science course	4 to 5	Any courses listed for Physical or Biological Science above.
Western Culture	3	ART101, 204, 205, 206; ENG107, 108, 109, 201, 202, 203, 204, 205, 206, 253, 254, 255; FA 255; GEOG106, 201; HST110, 111, 112, 201, 202, 203; PHL201, 202, 203; R201, 202, 203
Cultural Diversity	3	GEOG202; HST157, 158, 159, 257, 258, 259; R199, 201, 202
Literature and the Arts	3	ART101, 204, 205, 206; ENG104, 105, 106, 107, 108, 109, 201, 202, 203, 204, 205, 206, 253, 254, 255, 260; HUM100; MUS201, 202, 203
Social Processes and Institutions	3	ANTH103, 207, 208, 209; EC201, 202, 203; PS201, 202; PSY201, 202, 203; SOC204, 205, 206
Difference, Power, and Discrimination		Must be taken at OSU.
Two additional courses from two of these areas: Western Culture, Cultural Diversity, Literature and the Arts, and Social Processes and Institutions	6	Any courses listed for Western Culture, Cultural Diversity, Literature and the Arts, and Social Processes and Institutions above.
Global Issues	3	(Upper division course; must be taken at OSU.)
Science, Technology and Society	3	(Upper division course; must be taken at OSU.)

- Notes:**
1. A maximum of 108 credit hours earned at a community college may be applied toward a baccalaureate degree.
 2. In general, only courses with letter prefixes and numbers above 100 are accepted at OSU.
 3. Students with vocational/technical credits (courses numbered 50-99) should contact the assistant registrar at OSU for assistance in determining transferability of these courses to an OSU major.
 4. Departments, schools, or colleges at OSU may restrict the courses used by their major students to satisfy each general educational component.
 5. OSU will accept "D" grades. Some departments, schools, or colleges may not accept "D's" in required courses.
 6. Courses from the major department may not be used to fulfill the Baccalaureate Core Curriculum requirements.
 7. Students with an Oregon Associate of Arts (A.A.) transfer degree from Chemeketa Community College will be considered as having met OSU's lower division Baccalaureate Core Curriculum requirements.
 8. This guide is subject to change without notice and should not be regarded as a contract between OSU and students attending Chemeketa Community College.

Requirements	Credit hours	Chemeketa courses which satisfy requirements
Freshman Inquiry (Three 5-credit courses)	15	Complete 45 credit hours from courses listed for Oregon Associate of Arts transfer degree. Courses should include writing, speech, and computer science. It is also important to learn appropriate information technology resources of the library.
Electives	30	
Sophomore Level (Three 4-credit courses selected from different interdisciplinary programs or general education clusters)	12	Complete 45 credit hours from courses listed for the Oregon Associate of Arts transfer degree and courses required for major. Students planning to attend Chemeketa for two years should complete the Oregon Associate of Arts transfer degree.
Electives	33	

- Notes:**
1. A maximum of 108 credit hours earned at a community college may be applied toward a baccalaureate degree.
 2. In general, only courses with letter prefixes and numbers above 100 are accepted at PSU.
 3. PSU accepts credit in certain professional/technical courses when these are equivalent or parallel to PSU courses.
 4. Students must have achieved a 2.00 cumulative GPA with 30 transferable credit hours to be considered as a resident transfer student.
 5. PSU does not accept courses in which "D" grades have been earned.
 6. PSU does not award credit for the following courses: CPL120; CS125FX; CS125P; NUR111; NUR215; OA121, 122, 123 (and some other office administration classes), and VC251.
 7. Students who have earned an Oregon Associate of Arts (A.A.) transfer degree from Chemeketa Community College will be considered as having met PSU's lower division general education requirements.
 8. This guide is subject to change without notice and should not be regarded as a contract between PSU and students attending Chemeketa Community College.



Goals	Credit hours	Chemeketa courses which satisfy requirements
1. To be able to express ideas in clear, logical, and grammatically correct written English. To be fluent and confident in writing ability, including formal and technical writing styles, and in the preparation of a research paper.	9	WR121, 122, 123, 227
2. To be able to communicate clearly and effectively in oral English.	3	SP111, 112, 113, 114, 130
3. To be able to appreciate and use mathematics as a language that expresses, defines, and answers questions about the world.	3 to 4	MTH105, 112, 212, 213, 241, 243, 251, 252, 253, 254, 255
4. To understand the role of the natural sciences in the world. <i>(Students must take courses in at least two sciences. At least two courses must include a laboratory component. No more than nine credits from one department may be used to satisfy requirement.)</i>	12	Choose nine to 12 credits from these laboratory courses: BI101, 102, 103; BOT201, 202, 203; CH121, 122, 123, 201, 202, 203, 221, 222, 223; G201, 202, 203; GS104, 105, 106, 113; PH201, 202, 203, 211, 212, 213; ZOO201, 202, 203 Choose up to three credits from the following non-laboratory courses: GEOG105; GS120; PH207, 208, 209
5. To appreciate the creative processes, the aesthetic principles, and the historical traditions of one or more of the fine and performing arts. <i>(A maximum of three credits may be from studio courses.)</i>	9	Choose six to nine credits from these non-studio courses: ART101, 204, 205, 206; HUM100; MUS201, 202, 203 Choose up to three credits from the following studio courses: ART115, 116, 117, 119, 154, 155, 156, 221, 225, 231, 232, 233, 244, 245, 246, 254, 260, 261, 271, 273, 274, 281, 284, 285, 286, 291, 292, 293; MUSP100, 174; MUS134, 197; TA121, 122, 123, 261, 285A, 285B, 285C; WR241, 242, 243
6. To recognize the way that perspectives on the human condition and human values are expressed in works of literature and philosophy and/or transmitted in the media. <i>(A maximum of three credits may be from media courses.)</i>	9	Choose six to nine credits from the following literature and philosophy courses: ENG104, 105, 106, 107, 108, 109, 201, 202, 203, 260; PHL203 (No more than three credits from ENG201, 202, 203 may be applied toward this goal.) Choose up to three credits from the following media courses: FA255, 256, 257; J224
7. To be able to understand world history, geography, and culture as forces that shape human experience. <i>(A maximum of three credits may be from U.S. history, U.S. geography, or U.S. culture courses.)</i>	9	Choose six to nine credits from the following world history, geography, and culture courses: ANTH103, 207, 208, 209; FR101, 102, 103, 201, 202, 203; GEOG107, 201, 202; GER101, 102, 103, 201, 202, 203; HST110, 111, 112; SPAN101, 102, 103, 150, 151, 201, 202, 203 Choose up to three credits from the following U.S. history, U.S. geography, and U.S. culture courses: HST201, 202, 203, 257, 258, 259
8. To understand the function and influence of national or international political, economic, and/or legal systems in human affairs.	6	CJ100; EC201, 202, 203; PS201, 202, 205; SOC205
9. To understand how humans function in society.	3	CJ101; HE250; PSY100, 101, 201, 202, 203, 206; SOC204, 227

- Notes:**
1. A maximum of 108 credit hours earned at a community college may be applied toward a baccalaureate degree.
 2. Courses in the major, including course work from supportive areas that is required of the major, and courses toward a minor may also be used to meet general education requirements.
 3. In satisfying the total set of requirements of Goals 2 through 9, a student may use at most nine credits from one department.
 4. A single course may not be used to satisfy more than one general education goal.
 5. Only courses with a letter prefix and a number of 100 or higher are considered transferable.
 6. A maximum of 24 credit hours of vocational/technical courses are accepted as free electives.
 7. Courses in which "D" grades have been earned are accepted by SOSOC.
 8. Students who have earned an Oregon Associate of Arts (A.A.) transfer degree from Chemeketa Community College will be considered as having met the Core Curriculum requirements at SOSOC.
 9. This guide is subject to change without notice and should not be regarded as a contract between SOSOC and students attending Chemeketa Community College.

Requirements	Units	Chemeketa courses which satisfy requirements
Written English	6 credit hours	WR121 (must be completed before transferring) and WR122 or WR123 (with grade "C" or better)
Arts and Letters* These courses must be completed in at least two subjects (prefixes), and a minimum of two courses must be completed in one subject.	16 credit hours	Choose from the following: ART101, 204, 205, 206; ENG104, 105, 106, 107, 108, 109, 201, 202, 203, 204, 205, 206, 253, 254, 255, 260, 262; FA255, 256, 257; FR201, 202, 203; GER201, 202, 203; HUM100; JPN201, 202, 203; MUS201, 202, 203; PHL201, 202, 203, 204, SPAN201, 202, 203; TA110
Social Science* These courses must be completed in at least two subjects (prefixes), and a minimum of two courses must be completed in one subject	16 credit hours	Choose from the following: ANTH102, 103, 207, 208, 209; EC201, 202, 203; GEOG106, 107, 201, 202, ; HST110, 111, 112, 157, 158, 159, 201, 202, 203, 257, 258, 259; J224; PS201, 202, 203, 205; PSY201**, 202, 203, 206, 219, 237, 239, 246; R201, 202, 203; SOC204, 205, 206, 210, 221, 227; SSC150; WS101, 102, 103
Science* These courses must be completed in at least two subjects (prefixes), and a minimum of two courses must be completed in one subject.	16 credit hours	Choose from the following: ANTH101; BI101, 102, 103, 200, 231, 232, 233; BOT201, 202, 203; CH104, 105, 106, 115, 116, 117, 121, 122, 123, 201, 202, 203, 221, 222, 223, 241, 242, 243; CIS120, 121, 122; CS133F, 161, 162, 244, 246; G142, 143, 144, 201, 202, 203; GEOG105; GS104, 105, 106, 120, 141, 142, 143; MTH105, 211, 212, 213, 241, 243, 251, 252, 253; OC133; PH121, 201, 202, 203, 207, 208, 209, 211, 212, 213; PSY201**, 211; ZOO201, 202, 203
Race, Gender, and Non-Euro-American Studies (Same course may be chosen to meet this requirement and one of the requirements listed above.)	1 course	Choose from the following: ANTH103, 207, 208, 209; ENG260; GEOG202; HST110, 111, 112, 157, 158, 159, 257, 258, 259; HUM199A; R201, 202; SP115; SSC150; WS101, 102, 103

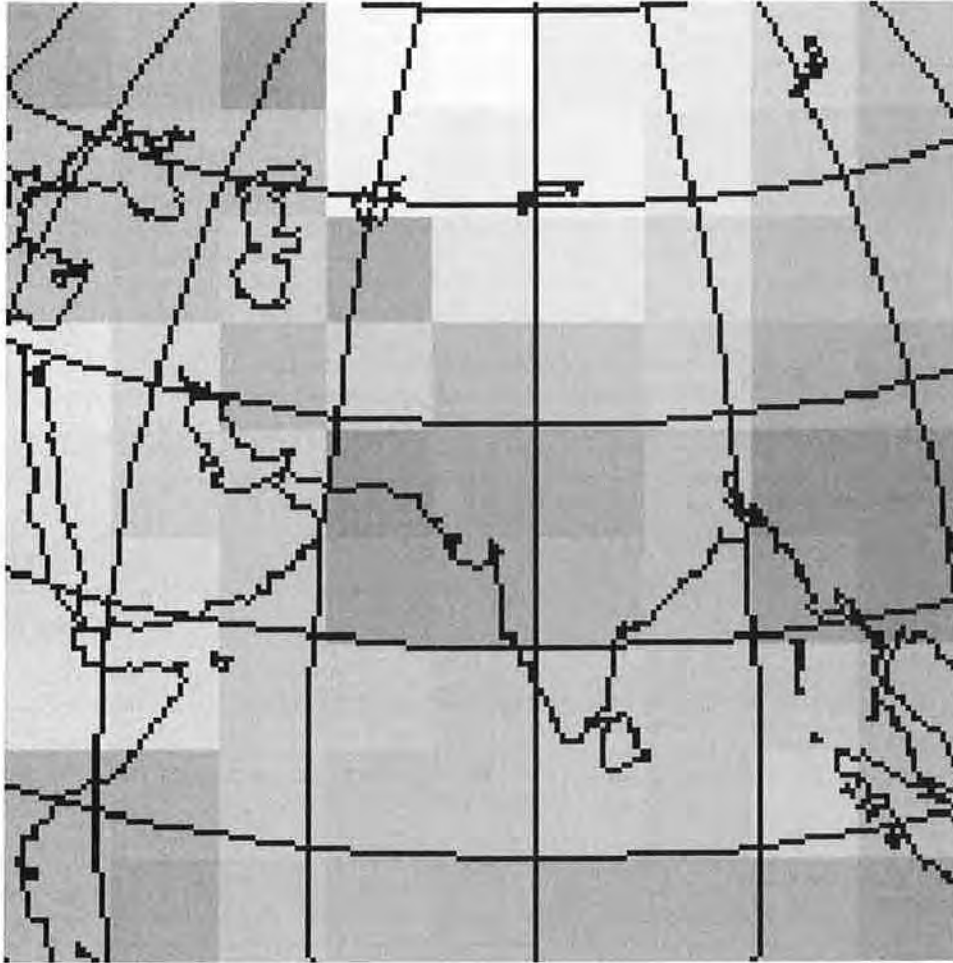
- Notes:**
1. A maximum of 108 credit hours earned at a community college may be applied toward a baccalaureate degree.
 2. Only courses with letter prefixes and numbers above 100 are accepted at the University of Oregon (with the exception of the following: CPL120; ENG116; ENL110, 111, 112; WR115).
 3. A maximum of 12 credit hours of vocational/technical courses are accepted.
 4. B.A. degree requires equivalent of two years of college foreign language.
 5. B.S. degree requires MTH111, 241, and 243 or higher mathematics.
 6. Courses in which "D" grades have been earned will transfer to UO, but will not satisfy degree requirements in writing, mathematics, or foreign language and may not be acceptable for major requirements.
 7. Students not meeting freshman admissions criteria must complete WR121 and 122 and MTH105 or 111 before transferring.
 8. Students with an Oregon Associate of Arts (A.A.) transfer degree from Chemeketa Community College will be considered as having met the general education requirements at UO. The Race, Gender, and Non-Euro-American studies requirement is not satisfied by completing the A.A. degree unless one of the acceptable courses is taken as part of the A.A. degree.
 9. This guide is subject to change without notice and should not be regarded as a contract between UO and students attending Chemeketa Community College.
- * No more than three courses from any one department may be used to satisfy the total 48 credit group requirement. Courses in the major may be used to satisfy the group requirement.
- ** Effective fall 1994 PSY201 will become a science group requirement satisfying course. It may be used as a social science course if taken prior to fall 1994.



Requirements	Credit hours	Chemeketa courses which satisfy requirements
Skills		
English Composition	9	WR121, 122, 123, 227, 241, 242, 243, 248 (three credits only) (WR121, 122, 123 preferred)
Speech	3	SP111, 112, 113, 114, 115, 126, 130 (SP111 preferred)
Physical Education	5	Any activity courses selected from PE180, 185, 190, 194, 294 and HPE295. (HPE295 and two hours of activity classes from different activities preferred)
Mathematics	4	MTH105 or higher math. MTH211, 212, 213 (Foundation of Elementary Mathematics) required for elementary education majors.
Computer Science	3 or 4	Any course with CS prefix numbered 101 or higher.
Creative Arts (Art, Dance, Music, Theater Arts)	9	Any courses with prefix of ART, MUP*, MUS, TA, and numbered 100 or above. In addition, dance courses at WOSC meet requirement. Nine hours in combination of three different areas preferred. <small>*A maximum of three hours of music performance courses is allowed.</small>
Humanities (Literature, Philosophy, and Religion)	12	A sequence of at least nine hours in the same discipline is required. All courses with ENG, PHL, R prefix and numbered 100 or above. A nine-hour literature sequence preferred: ENG104, 105, 106; ENG107, 108, 109; ENG201, 202, 203; ENG204, 205, 206; ENG253, 254, 255, and one philosophy or religion course: PHL201, 202, 203, or 204, or R201, 202, or 203
Natural Sciences and Mathematics	12	A sequence of at least eight hours in the same discipline is required. All courses numbered 100 or higher and with a prefix of BI, BOT, CH, G, GS, MTH, PH, ZOO (Prefer a 12-hour sequence in the same discipline.)
Social Science	15	A sequence of at least nine hours in the same discipline is required. All courses numbered 100 or higher with a prefix of ANTH, EC, GEOG, HST, PS, SOC. A three-hour course in psychology is also required. The remaining three hours may be in any social science area including psychology and criminal justice. (PSY237 is required for elementary education majors.)
Foreign Language Alternative (optional)	12	A one-year sequence in a foreign language may replace three hours of writing, six hours of social science, and two hours of PE activity classes. Choose one sequence from CHN101, 102, 103; FR101, 102, 103; GER101, 102, 103; JPN101, 102, 103; RUS101, 102, 103; SPAN101, 102, 103; or a second-year foreign language sequence

- Notes:**
1. A maximum of 108 hours earned at a community college may be applied toward a baccalaureate degree.
 2. In general, only courses with letter prefixes and numbers above 100 are accepted at WOSC.
 3. Up to 24 hours of professional-technical credits can be transferred as free electives.
 4. Courses in which "D" grades have been earned are accepted at WOSC.
 5. Students who have not completed all of the Liberal Arts Core Curriculum (LACC) requirements listed above at the time they transfer will be expected to complete them with courses among those specifically required of freshmen beginning their work at WOSC.
 6. Courses numbered 199 and 299 and Cooperative Work Experience (CWE) credits transfer to WOSC as general elective credits and are not applied to the major or LACC requirements. Up to 12 hours of CWE can be accepted.
 7. Students are encouraged to seek exemption from the Skills requirements by demonstrating proficiency through the appropriate departments at WOSC.
 8. Students with an Oregon Associate of Arts (A.A.) transfer degree from Chemeketa Community College will be considered as having met the LACC requirements at WOSC.
 9. Courses used to fulfill major requirements may be used to meet LACC requirements if the student earns an Oregon Associate of Arts (A.A.) transfer degree. In the absence of an A.A. degree, students must check with their major department to determine if courses required in the major may also be used to fulfill LACC requirements.
 10. This guide is subject to change without notice and should not be regarded as a contract between Western Oregon State College and students attending Chemeketa Community College.

PROGRAMS OF STUDY



Program Guide

Here's a quick reference listing of the programs of study and courses available at Chemeketa. If you don't find the program or course you are looking for, check the index in the back of this catalog. For more information, call the Advising and Counseling Center at 399-5120.

- C = Certificate of Completion
 A = Associate of Applied Science Degree
 T = Transfer Program and/or Associate of Arts Degree
 O = Other (classes for personal or professional skill development)

Program Name	C	A	T	O
Accounting		✓		
Adult Basic Education				✓
Adult High School Diploma				✓
Agriculture			✓	
Anthropology			✓	
Art			✓	
Automotive Technology				
<i>Automotive Technician</i>		✓		
<i>Automotive Parts Sales</i>	✓			
Banking and Finance	✓	✓		
Biology			✓	
Botany			✓	
Building Inspection Technology	✓	✓		
Business Administration			✓	
Chemistry			✓	
Chiropractic			✓	
Civil-Structural Engineering Technology				
<i>Survey Technology</i>	✓			
<i>Civil-Structural Engineering Technology</i>		✓		
Computer Programming		✓		
<i>Microcomputer Support Specialist</i>		✓		
Computer Science			✓	
Construction Skills Training (<i>Short-Term</i>)	✓			
Criminal Justice		✓		
Dental Assisting	✓			
Dental Hygiene			✓	
Drafting Technology–CAD				
<i>Drafting</i>		✓		
<i>CAD-CAM</i>		✓		
<i>Mechanical Design</i>		✓		
Early Childhood Education				
<i>One-Year</i>	✓			
<i>Two-Year</i>		✓		
Economics			✓	
Education (Elementary and Secondary)			✓	
Electronics Technologies				
<i>Computer Electronics</i>		✓		
<i>Electronic Engineering Technician</i>		✓		
<i>Industrial Electronics</i>		✓		
Emergency Medical Technology		✓		
English as a Second Language				✓
Engineering			✓	
English			✓	
Entomology			✓	
Farm Business Management				✓
Fire Protection Technology				
<i>Fire Suppression</i>		✓		
<i>Fire Protection–Insurance Risk Inspection</i>		✓		
Foreign Languages			✓	
Forest Resources Technology		✓		
Forestry			✓	
General Educational Development (GED)				✓
General Science			✓	
General Studies			✓	
Geography			✓	

Program Name	C	A	T	O
Geology			✓	
Health			✓	
Health Education			✓	
Health Care Support Services				
<i>Claims Analyst/Medical Biller (Short-Term)</i>	✓			
<i>Health Information Technician</i>	✓			
<i>Health Services Management</i>		✓		
<i>Medical Office Assistant</i>	✓			
<i>Medical Receptionist/Clerk (Short-Term)</i>	✓			
<i>Medical Transcriptionist</i>		✓		
History			✓	
Home Economics			✓	
Hospitality Systems Management		✓		
<i>Travel Agency Operations (Short-Term)</i>	✓			
Hotel, Restaurant, and Resort Management			✓	
Human Services				
<i>Alcohol and Drugs</i>		✓		
<i>Gerontology</i>		✓		
<i>Social Services</i>		✓		
Industrial Technology and Apprenticeship		✓		
Instructional Assistant				
<i>Kindergarten/Primary</i>		✓		
<i>Multicultural/English as a Second Language</i>		✓		
<i>One-Year</i>	✓			
<i>Senior High School/Adult</i>		✓		
<i>Special Education</i>		✓		
<i>Upper Elementary/Middle School</i>		✓		
<i>Vocational/Technical</i>		✓		
Journalism			✓	
Management		✓		
Manufacturing Engineering Technologies				
<i>Manufacturing Operations</i>	✓			
<i>Manufacturing Technologies</i>		✓		
Mathematics			✓	
Nursing				
<i>Nursing Assistant</i>	✓			
<i>Licensed Practical Nurse</i>	✓			
<i>Registered Nurse</i>		✓		
Nursing			✓	
Occupational Skills Training (<i>Short Term</i>)	✓			
Office Administration and Technology				
<i>Engineering</i>		✓		
<i>Executive</i>		✓		
<i>Information Processing</i>		✓		
<i>Legal</i>		✓		
<i>Medical</i>		✓		
<i>Office Accounting</i>		✓		
<i>One-Year</i>	✓			
<i>Short-Term</i>	✓			
Philosophy			✓	
Physical Education/Human Movement Studies			✓	
Physics			✓	
Political Science			✓	
Pre-Law			✓	
Pre-Professional Study (medicine, dentistry, veterinary)			✓	
Professional-Technical Teacher Preparation	✓	✓		
Psychology			✓	
Real Estate		✓		
Small Business Management				✓
Sociology			✓	
Speech			✓	
Visual Communications Technology		✓		
Welding				
<i>Welding Technology</i>	✓			
<i>Welding Fabrication</i>		✓		
Zoology			✓	





Accounting

Are you interested in becoming a bookkeeper, accounting clerk, or junior accountant? The Accounting program offers you the training to qualify for entry-level positions requiring accounting in business, industry, and government agencies.

The program includes a core of accounting, business, and general education courses and emphasizes acquiring specialized business knowledge. You may select individual courses to meet your needs, or you may work toward an Associate of Applied Science degree. You may take some or most of your classes at night.

We strongly suggest that you consult with your assigned advisor to plan your course of study before you begin the first term. The college requires you to take English and mathematics placement tests before you apply for admission. If the tests show that your skills are above the levels of the required first term courses, you may request to substitute general education courses.

The program has been designed to be completed in two years, if you attend full time. However, there are entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, please meet with the program chair.

You may be interested in our Cooperative Work Experience program which allows you to earn college credit for work you do relating to your program. With the approval of the program chair, you may enroll in BA280 Cooperative Work Experience and earn up to six credit hours as a business elective. For more information, look under Cooperative Work Experience in the catalog index.

The Accounting program provides you with an opportunity to participate in a number of accounting-related extracurricular activities. Several professional accounting organizations, such as the National Association of Accountants and the American Society of Women Accountants, encourage you to become active in Salem area chapters.

In addition to tuition, estimated costs for students who complete the entire program are books, \$1,182; class fees, \$52; equipment and supplies, \$65. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn an Associate of Applied Science degree by successfully completing these required 97 credit hours:

Course	Title	Credit Hours
Term 1		
BA211	Financial Accounting I*	4
CS125SS	LOTUS I-Worksheets	3
MTH095	Intermediate Algebra (recommended) (or higher)	4
MTH062	or Applied Business Math	3
OA085	Business English II	3
WR122	or English Composition-Logic and Style	3
OA121	Keyboarding	3

OA122	Keyboard Skillbuilding.....	3
OA123	Formatting.....	3
Term 2		
BA101	Business Environment	4
BA212	Financial Accounting II	4
BA214	Business Communications	3
WR123	English Composition-Research Writing	3
OA061A	Electronic Calculators A.....	1
	Approved computer science elective**	3
Term 3		
BA213	Managerial Accounting.....	4
BA256	Income Tax Accounting I	4
EC200	Introduction to Economics (or higher).....	3
QA091B1-3	Payroll Procedures 1-3.....	1 ea.
WR227	Technical Writing.....	3
Term 4		
BA054	Governmental/Non-Profit Accounting I***	3
BA059	Auditing.....	3
BA257	Income Tax Accounting II	4
BA056	Intermediate Financial Accounting I	4
BA215	Cost Accounting	3
BA226	Business Law I	3
FE205	Job Search Techniques	1
	Psychology or sociology elective	3
Term 5		
BA057	Intermediate Financial Accounting II	4
BA205	Human Relations in Business	3
BA206	Business Management Principles	3
BA222	Financial Management	3
BA280	Cooperative Work Experience	3
	or Business elective****	3
Term 6		
BA058	Intermediate Financial Accounting III.....	4
BA228	Computer Accounting Applications	3
SP111	Fundamentals of Speech (or higher)	3
	Business elective****	3
	or Cooperative Work Experience	3
	Humanities elective	3

*You must have completed the requirements for, or be concurrently enrolled in, MTH070 or MTH061.

**Choose from CS125DB, CS135SS, OA201P, or a programming class.

***If you are interested in working for a government agency, you are strongly encouraged to consider BA054.

****Business elective: Choose courses with prefixes BA, BAN, CS, CIS, EC, OA, and RE except OA084, BA051, BA052, and BA053.

Agriculture

(college transfer)

Oregon State University offers Bachelor of Science degrees in Agricultural Business Management, Agricultural and Resource Economics, Agriculture Chemistry, Bioresource Research, General Agriculture, Animal Science, Crop and Soil Science, Fisheries Science, Horticulture, Rangeland Resources, Food Science and Technology, and Wildlife Science.

The two-year program outlined below is designed to meet requirements at OSU. However, it is important to check the OSU catalog for the requirements of specific majors. However, the program has entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in

these areas. To assess the time you will need to complete the program, you may consult with Chemeketa's Advising and Counseling Center or a Chemeketa advisor in your program.

As a student, you are responsible for learning the program requirements of the school to which you plan to transfer. Consult with our Advising and Counseling Center or a Chemeketa advisor. You should also make early contact with an advisor at OSU to learn of any possible changes in a program.

Refer to the Oregon Associate of Arts Transfer Degree information in the Degrees, Diplomas, Certificates, and Transfer Information section of this catalog beginning on Page 27.

	Term		
	1	2	3
First Year			
WR121 English Composition and Writing or Speech courses* (WR227 Technical Writing required for some options)			
Mathematics (per placement test through MTH111 College Algebra for most majors; check OSU catalog for additional math required in some majors)	(4)	5	(4)
BI101, 102, 103 General Biology or ZOO201, 202, 203 Zoology or CH121, 122, 123 General Chemistry (depending upon major and option)	4-5	4-5	4-5
HE231 Human Performance	3		
CS101 Introduction to Microcomputer Applications			3
Arts and Letters or Social Science* (EC201, 202 Introduction to Microeconomics and Macroeconomics required in some options)	3	3	3
Electives			
Second Year	4	5	6
BA211, 212 Financial Accounting (not required for all majors)	4	4	
BI101, 102, 103 or CH121, 122, 123 (both sequences recommended but may not be required)	4		
Arts and Letters or Social Science elective* (EC201-202-203 Principles of Economics required for some majors)	6	6	6
Electives (BA226 Business Law required in some majors; check OSU for additional courses required in specific options)	3	6	6

*To meet OSU general education requirements.

Anthropology

(college transfer)

Oregon State University, Portland State University, and University of Oregon offer Bachelor of Arts and/or Bachelor of Science degrees in Anthropology. Eastern Oregon State College offers a combined major in anthropology and sociology.

The two-year program outlined below is designed to meet requirements at these institutions. However, the program has entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will

need to complete the program, you may consult with Chemeketa's Advising and Counseling Center or a Chemeketa advisor in your program.

As a student, you are responsible for learning the program requirements of the school to which you plan to transfer. Consult with our Advising and Counseling Center or a Chemeketa advisor. You should also make early contact with an advisor at the institution to which you plan to transfer to learn of any possible changes in a program.

Refer to the Oregon Associate of Arts Transfer Degree information in the Degrees, Diplomas, Certificates, and Transfer Information section of this catalog beginning on Page 27.

	Term		
First Year	1	2	3
WR121, 122 and/or 123 English Composition*	3	3	(3)
HPE295 Health and Fitness for Life* or elective			3
ANTH101, 102, 103 Human Evolution, Archeology and Introduction to Cultural Anthropology	3	3	3
Arts and Letters/Humanities courses* Electives or Foreign Language* (two years of college-level foreign language required at PSU and may be required for graduate work; CS101 Introduction to Microcomputer Applications required at EOSC)	3	3	0-3
Math or Science electives*	3-4	3-4	3-4
	4	4	4



Second Year	4	5	6
Social Science electives* (SOC204, 205, 206 for EOSC and SOSC)	3	3	3
Arts and Letters/Humanities electives*	3	3	3
Second-year Foreign Language or electives* (required for graduate studies)	3-4	3-4	3-4
Math or Science electives**	4	4	4
Electives* (OA201P Word Processing Procedures I-WordPerfect for EOSC; Art courses for OSU)	3	3	3

*To meet four-year college general education requirements.

**MTH243 Probability and Statistics and CS101 Introduction to Microcomputer Applications recommended for students planning to do graduate studies.

Art

(college transfer)

Oregon state colleges and universities offering Bachelor of Arts and/or Bachelor of Science degrees in Art are Eastern Oregon State College, Oregon State University, Portland State University, Southern Oregon State College, University of Oregon, and Western Oregon State College.

A five-year program in Art leading to the Bachelor of Fine Arts (B.F.A.) degree is offered at OSU, SOSC, and UO.

The program outlined below is designed so that you may meet requirements of these institutions in two years, if you attend full time. However, the program has entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, you may consult with Chemeketa's Advising and Counseling Center or a Chemeketa advisor in your program.

As a student, you are responsible for learning the program requirements of the school to which you plan to transfer. Consult with our Advising and Counseling Center or a Chemeketa advisor. You should also make early contact with an advisor at the institution to which you plan to transfer to learn of any possible changes in a program.

Refer to the Oregon Associate of Arts Transfer Degree information in the Degrees, Diplomas, Certificates, and Transfer Information section of this catalog beginning on Page 27.

	Term		
First Year	1	2	3
WR121, 122 and/or 123 English Composition*	3	3	(3)
ART115, 116, 117 Basic Design (not required for Art History majors at UO)	3	3	(3)
ART231, 232, 233 Drawing (EOSC, SOSC, UO and WOSC require ART231, 232)	3	3	(3)
Science or Mathematics courses*	4	4	4
Social Science courses*			3-6
Arts and Letters/Humanities (non-art: UO requires two years of French or German for Art History majors)*	3-4	3-4	3-4

Second Year	4	5	6
ART204, 205, 206 Art History (not required at WOSC)	3	3	3
Social Science courses*	3	3	3
Arts and Letters/Humanities electives* (Literature or a second Foreign Language for UO Art History majors)	3-4	3-4	3-4
Science or Mathematics*	4	(4)	(4)
HPE295 Health and Fitness for Life* or elective		3	
Studio Art courses (EOSC choose from ART221 Graphic Design, 260 Photography, 272 Printmaking, 291 Sculpture; OSU choose 9 hours of studio courses; OSU Art Studio majors need 9 hours of 200 level classes; PSU choose 9 credits from study concentration and 9 additional art credits outside of concentration; SOSC choose 18 credits from 2 groups listed in SOSC catalog; UO Art History majors take 6 hours of studio courses in drawing, painting, sculpture, or design).	3	3	3
Electives (CS course required at EOSC, SOSC, and WOSC)			0-3

*To meet four-year college general education requirements.

Automotive Technology

Do you want to become an automotive maintenance and repair technician or an auto parts salesperson? The Automotive Technology program emphasizes technical training and development of skills through the study of the various systems of the automobile. You may select individual courses to meet your needs, or you may work toward a degree in the automotive technician option or a certificate in automotive parts sales.

To help you work effectively with people, the program also includes written and oral communications classes and general education electives. The curriculum emphasizes related scientific, mathematical, and general mechanical principles.

The certificate program has been designed to be completed in one year and the degree program in two years, if you attend full time. However, there are entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, please meet with the program chair.

Automotive Technician Option

Automotive training may lead to employment in the automotive service and repair field. With an increasing number of makes and models of autos, the demand for auto technicians with a broad background and diversified training is growing.

Upon graduating, you may choose to transfer to a school such as Oregon Institute of Technology to complete the course work for a bachelor's degree in industrial management.

You may be interested in our Cooperative Work Experience program which allows you to earn college credit for work you do relating to your program. With the approval of the program chair, you may enroll in AUM280 Cooperative Work Experience and earn college credit hours. For more information, look under Cooperative Work Experience in the catalog index.

In addition to tuition, estimated costs for students who complete the entire program are books, \$587; class fees, \$170; equipment and supplies, \$500. Contact the Financial Aid Office to find out if you qualify for help with these costs.

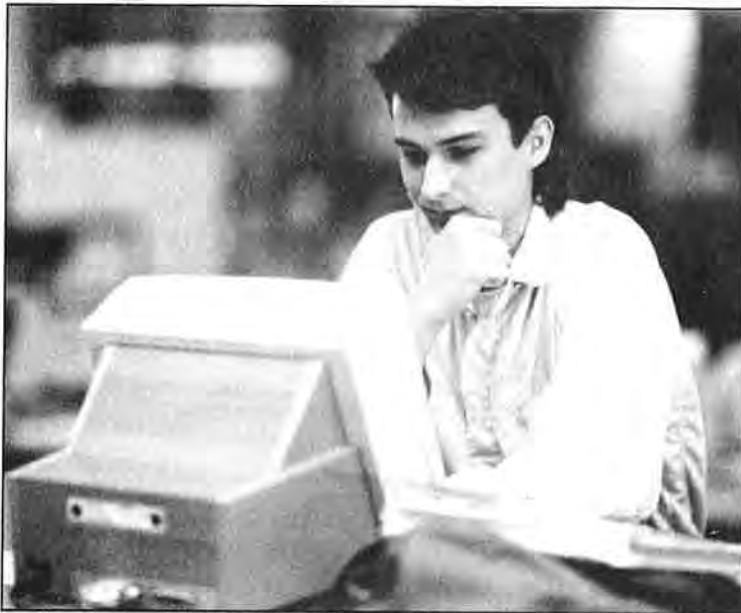
You may earn an Associate of Applied Science degree by successfully completing these 96 required credit hours:

Course	Title	Credit Hours
Term 1		
AUM051	Basic Automotive Engines.....	5
AUM056	Automotive Shop Safety.....	1
AUM057	Automotive Brake Systems.....	4
COM051	Communication Skills I.....	3
	or	
WR121	English Composition-Exposition.....	3
MTH051	Basic Mathematics (or higher).....	3
	or	
	General education elective.....	3
Term 2		
AUM052	Automotive Machine Shop.....	4
AUM058	Automotive Steering and Suspension.....	5
COM052	Communication Skills II.....	3
	or	
WR122	English Composition-Logic and Style.....	3
DRF072	Introduction to AutoCAD.....	3
MTH052	Introduction to Algebra and Geometry (or higher).....	3
Term 3		
AUM061	Manual Drive Trains and Axles I.....	5
AUM068	Automotive Electrical Systems I.....	4
AUM078	Automotive Workplace Proc. and Ethics.....	1
AUM092	Automotive Diesel Engines.....	3
Term 4		
AUM062	Manual Drive Trains and Axles II.....	3
AUM063	Automatic Transmissions and Transaxle.....	5
AUM066	Basic Fuel Systems.....	4
AUM076	Automotive Electrical Systems II.....	4
Term 5		
AUM067	Advanced Carburetion and Fuel Injection.....	5
AUM077	Automotive Electrical Systems III.....	5
AUM082	New Automotive Developments.....	4
AUM086	Automotive Heating and Air Conditioning.....	5
Term 6		
AUM073	Automotive Repair.....	3
	or	
AUM280	Cooperative Work Experience.....	3
AUM081	Tune-Up and Diagnosis.....	6
PSY100	Introduction to Psychology (or higher).....	3
WLD097	Welding.....	2

Automotive Parts Sales Option

In Automotive Parts Sales you may learn aspects of jobber store management in addition to the sale of automotive parts.

You may be interested in our Cooperative Work Experience program which allows you to earn college credit for work relating to your program. With the approval of the program chair, you may enroll in AUP280 Cooperative Work Experience and earn college credit hours. For more information, look under Cooperative Work Experience in the catalog index.



In addition to tuition, estimated costs for students who complete the entire program are books, \$289. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn a Certificate of Completion by successfully completing these 49 required credit hours:

Course	Title	Credit Hours
Term 1		
AUP081	Engine Theory	3
AUP082	Chassis Theory	3
AUP083	Auto Parts I	4
COM051	Communication Skills I	3
MTH051	Basic Mathematics (or higher).....	3
Term 2		
AUP086	Power Train Theory.....	3
AUP087	Auto Electrical Theory	3
AUP088	Auto Parts II.....	4
COM052	Communication Skills II.....	3
MTH061	Business Math	3
Term 3		
AUP091	Auxiliary Systems	3
AUP093	Fuel Systems	3
AUP096	Auto Parts III	4
BA051	Accounting Procedures I	4
	General education elective	3
	or	
AUP208	Cooperative Work Experience	3

Banking and Finance

Consider the Banking and Finance program if you want training to enter the banking field or if you are a bank clerk or teller who wants to become eligible for advancement or promotion to officer trainee or officer positions. The one-year program offers training for entry level positions such as teller, proof operator, new accounts teller, accounting clerk, and data entry clerk. The two-year program offers further training for those choosing a career in banking. There are banking career opportunities in auditing, personnel, public relations, management and operations.

The basic core of the curriculum includes general education and general business courses as well as required and elective courses specifically related to the financial field. You may select individual courses to meet your needs, or you may work toward a Certificate of Completion or Associate of Applied Science degree. The banking classes are offered only at night; other required classes are offered both days and evenings.

Chemeketa and the Oregon Financial Institutions Education Association/American Institute of Banking interchange credits for specified courses. The Banking and Finance program has specific English and mathematics requirements. Initial placement in these courses is determined by results of placement tests you take when you apply for admission.

The certificate program has been designed to be completed in one year and the degree program in two years, if you attend full time. However, there are entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, please meet with the program chair.

You may be interested in our Cooperative Work Experience program which allows you to earn college credit for work you do relating to your program. With the approval of the program chair, you may enroll in BAN280 Cooperative Work Experience and earn college credit hours. For more information, look under Cooperative Work Experience in the catalog index.

Certificate of Completion

In addition to tuition, estimated costs for students who complete the entire program are books, \$624; class fees, \$22; equipment and supplies, \$30. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn a Certificate of Completion by successfully completing these required 51 credit hours:

Course	Title	Credit Hours
Term 1		
BAN067	Teller Training.....	1
BA269	Principles of Banking	3
MTH061	Business Math	3
OA084	Business English I	3
OA121	Keyboarding.....	3
SP114	Interpersonal Communication	3
Term 2		
BAN064A	Understanding and Selling Bank Services	3
BAN078	Customer Service for Bank Personnel.....	1
BA051	Accounting Procedures I	4
	or	
BA211	Financial Accounting I	4
MTH064	Applied Business Math	3
OA061A	Electronic Calculators	1
OA085	Business English II	3
OA089	Filing	2

Term 3		
BAN280	Cooperative Work Experience	6
	or	
	Business elective*	6
BA214	Business Communication	3
BA238	Sales and Persuasion	3
OA086	Personal and Professional Development	3
OA091A	Computerized Bookkeeping	3

*Business elective: Choose courses with prefixes BA, BAN, CS, CIS, EC, OA, RE except BA051, BA052, and BA053.

Associate of Applied Science degree

In addition to tuition, estimated costs for students who complete the entire program are books, \$1,200; class fees, \$28; equipment and supplies, \$60. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn an Associate of Applied Science degree by successfully completing these required 98 credit hours:

Course	Title	Credit Hours
Term 1		
BA101	Business Environment	4
BA269	Principles of Banking	3
OA084	Business English I	3
	or	
WR121	English Composition-Exposition	3
OA121	Keyboarding	3
	Psychology elective	3
Term 2		
BA206	Business Management Principles	3
BA211	Financial Accounting I	4
EC200	Introduction to Economics	3
	or	
EC201	Introduction to Microeconomics	3
MTH065	Introductory Algebra	4
	or	
MTH111	College Algebra	5
OA085	Business English II	3
	or	
WR122	English Composition-Logic and Style	3
Term 3		
BA212	Financial Accounting II	4
BA214	Business Communications	3
BA284	Law and Banking-Applications	3
MTH062	Applied Business Math	3
	or	
MTH243	Probability and Statistics	4
	Banking elective**	3
Term 4		
BA238	Sales and Persuasion	3
BA270	Money and Banking	3
BA281	Consumer Lending	3
CS101	Introduction to Microcomputer Applications	3
OA061A	Electronic Calculators A	1
	Psychology elective	3
Term 5		
BA222	Financial Management	3
BA223	Principles of Marketing	3
	or	
BA273	Marketing for Bankers	3
BA278	Law and Banking-Principles	3
	Business elective*	3
	or	
	Banking elective**	3
	or	
BAN280	Cooperative Work Experience	3
EC202	Introduction to Macroeconomics	3
	or	
SP114	Interpersonal Communication	3
	Speech elective***	3
Term 6		
BA205	Human Relations in Business	3
BAN280	Cooperative Work Experience	6
	or	
	Business elective*	6
	or	
	Banking elective**	6
	Banking elective**	3
	Humanities/fine arts elective	3

*Business electives: Choose courses with prefixes BA, BAN, CS, CIS, EC, OA, and RE except BA051, BA052, and BA053. College transfer students should take BA213 and EC203.

**Banking electives: Choose courses with BAN prefixes.

***Speech electives: Choose from SP105, SP111, and SP114.

Biology, Botany, General Science, Entomology, Zoology

(college transfer)

Oregon state colleges and universities offering Bachelor of Arts and/or Bachelor of Science degrees in Biology are Eastern Oregon State College, Oregon State University, Portland State University, Southern Oregon State College, University of Oregon, and Western Oregon State College.

The two-year program outlined below is designed to meet requirements for a degree in biology at these institutions, as well as for a major in general science at OSU or UO. See college catalogs for other class options and additional requirements. It may be advisable to transfer after one year of community college course work. With minor adjustments as noted below, this outline of classes may also be followed for majors in Botany, Entomology, Microbiology, or Zoology at Oregon State University.

However, the program has entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, you may consult with Chemeketa's Advising and Counseling Center or a Chemeketa advisor in your program.

As a student, you are responsible for learning the program requirements of the school to which you plan to transfer. Consult with our Advising and Counseling Center or a Chemeketa advisor. You should also make early contact with an advisor at the institution to which you plan to transfer to learn of any possible changes in a program.

Refer to the Oregon Associate of Arts Transfer Degree information in the Degrees, Diplomas, Certificates, and Transfer Information section of this catalog beginning on Page 27.

	Term		
First Year	1	2	3
WR121, 122 and/or 123 English Composition*			
	3	3	(3)
HPE295 Health and Fitness for Life* or elective			3
CH221, 222, 223 General Chemistry (CH121, 122, 123 College Chemistry is also accepted for OSU Bot-			

any, Entomology, and General Science majors] and UO)	5	5	5
Mathematics sequence (consult an advisor or four-year college catalog to determine appropriate math; most require some calculus. MTH111 College Algebra, 112 Trigonometry, 251 Differential Calculus, or 243 Probability and Statistics for SOSC; MTH251, 252 Integral Calculus for OSU, PSU, and UO; MTH251, 252 or MTH241 Elementary Calculus, 243 for Botany and General Science at OSU)	4-5	4-5	4
Arts and Letters/Humanities courses*	3	3	3
Second Year	4	5	6
PH201, 202, 203 General Physics or PH211, 212, 213 General Physics for Scientists and Engineers (not required at WOSC or for Entomology and General Science majors at OSU; SOSC also accepts G201, 202, 203 Geology; and Botany majors take BOT201, 202, 203 Botany)**	4	4	4
CH241, 242, 243 Organic Chemistry (may not replace 300-level Organic Chemistry at all colleges; not required at WOSC or for General Science at OSU. Take BOT201, 202, 203 for EOSC; Zoology majors take ZOO201, 202, 203)**	5	5	5
Social Science courses*	3	3	3
Arts and Letters/Humanities electives*	3	3	3
Social Science electives or other electives* (EOSC requires CS101 Introduction to Microcomputers and CS1255 LOTUS Worksheets or computer studies courses at or above the 200 level; UO recommends CS161 Computer Science I-C Language; UO General Science major also takes CS101 and CS133I Fortran; WOSC requires CS162 Computer Science II-C Language and MTH232 Discrete Mathematics and MTH243 or MTH251 and MTH252)	3	3	3

*To meet four-year college general education requirements.

**Botany majors should take ZOO201, 202 General Zoology and BOT201, 202 General Botany. Zoology majors should take ZOO201, 202 and BOT201 or 202. Environmental Health majors should take BI101, 102, 103 General Biology. PSU General Science degree allows other science choices.

NOTE: Chemeketa's BI101, 102, 103 does not meet biology requirement for biology majors.

Building Inspection Technology

The Building Inspection Technology program has two options. There is a four-term plan for students with experience in the building trades and a two-year (six-term) option for those new to the field. As a graduate of either program, you may qualify for State of Oregon certification as a building inspector at the C level or higher, depending upon your experience.

There is a need for certified building inspectors working for public agencies. If you have some experience in the field, after you graduate you may qualify as a construction manager or clerk-of-the-works or perform similar functions in other jobs.

The curriculum covers technical and general education courses. Classes on various codes, plans inspection techniques, and construction materials are complemented by courses in

mathematics, communication skills, and public relations. You may select individual courses to meet your needs, or you may work toward an Associate of Applied Science degree or a Certificate of Completion.

You may be interested in our Cooperative Work Experience program which allows you to earn college credit for work you do relating to your program. With the approval of the program chair, you may enroll in BLD280 Cooperative Work Experience and earn college credit hours. For more information, look under Cooperative Work Experience in the catalog index.

The certificate program has been designed to be completed in one year and the degree program in two years, if you attend full time. However, there are entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, please meet with the program chair.

This program has special admission requirements and enrollment limits. For additional information, contact the Admissions Office at 399-5006.

Certificate of Completion

In addition to tuition, estimated costs for students who complete the entire program are books, \$822; class fees, \$69; equipment and supplies, \$291. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn a Certificate of Completion by successfully completing these 66 required credit hours:

Course	Title	Credit Hours
Term 1		
BLD051	Building Codes I.....	3
BLD063	Structural Inspection-Concrete.....	3
BLD071	Plumbing Codes I.....	3
BLD093A	Building Inspection Lab.....	1
COM051	Communication Skills I.....	3
	or	
WR121	English Composition-Exposition.....	3
MTH052	Introduction to Algebra and Geometry (or higher).....	3
Term 2		
BLD052	Building Codes II.....	3
BLD061	Structural Inspection-Wood.....	3
BLD072	Plumbing Codes II.....	3
BLD081	Mechanical Codes I.....	3
BLD093B	Building Inspection Lab.....	1
COM052	Communication Skills II.....	3
	or	
WR122	English Composition-Logic and Style.....	3
MTH053	Introduction to Trigonometry with Geometry (or higher) ..	3
Term 3		
BLD053	Building Codes III.....	3
BLD054	Dwelling Construction under UBC.....	3
BLD055	Building Department Administration.....	3
BLD062	Structural Inspection-Masonry.....	3
BLD082	Mechanical Codes II.....	3
BLD093C	Building Inspection Lab.....	1
COM053	Technical Report Writing.....	3
	or	
WR227	Technical Writing.....	3

Term 4		
BLD280	Cooperative Work Experience*	12

*Cooperative Work Experience may be used as a deviation in the A.A.S. degree program.

Associate of Applied Science Degree

In addition to tuition, estimated costs for students who complete the entire program are books, \$1,280; class fees, \$126; equipment and supplies, \$811. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn an Associate of Applied Science degree by successfully completing the 97 required credit hours plus 12 credit hours of Cooperative Work Experience.

Course	Title	Credit Hours
Term 1		
BLD050	Introduction to Building Inspection	3
BLD051	Building Codes I	3
BLD093A	Building Inspection Lab	1
COM051	Communication Skills I	3
	or	
WR121	English Composition-Exposition	3
CS101	Introduction to Microcomputer Applications (or higher)	3
DRF059	Print Reading	2
MTH052	Introduction to Algebra and Geometry (or higher)	3
Term 2		
BLD052	Building Codes II	3
BLD059	Materials of Construction	2
BLD061	Structural Inspection-Wood	3
BLD093B	Building Inspection Lab	1
COM052	Communication Skills II	3
	or	
WR122	English Composition-Logic and Style	3
DRF060	Advanced Print Reading	2
FE205	Job Search Techniques	1
MTH053	Introduction to Trigonometry with Geometry (or higher)	3
Term 3		
BLD053	Building Codes III	3
BLD054	Dwelling Construction Under UBC	3
BLD055	Building Department Administration	3
BLD062	Structural Inspection-Masonry	3
BLD093C	Building Inspection Lab	1
COM053	Technical Report Writing	3
	or	
WR227	Technical Writing	3
Term 4		
BLD063	Structural Inspection-Concrete	3
BLD071	Plumbing Codes I	3
BLD093D	Building Inspection Lab	1
CVL054	Engineering Fundamentals	3
CVL059	Soil Mechanics Fundamentals	3
PSY101	Psychology of Human Relations (or higher)	3
Term 5		
ART260	General Photography	3
	or	
	Social Science elective	3
	or	
	Humanities/fine arts elective	3
BLD064	Structural Inspection-Steel	3
BLD066	Structural Plan Review	3
BLD072	Plumbing Codes II	3
BLD081	Mechanical Codes I	3
BLD093E	Building Inspection Lab	1
Term 6		
BLD060	Fire Protection for Buildings	3
BLD067	Nonstructural Plan Review	3
BLD082	Mechanical Codes II	3
BLD091	One and Two Family Electrical Code	3
BLD093F	Building Inspection Lab	1



Business Administration

(Includes Accounting, Marketing, and Management)

(college transfer)

Oregon state colleges and universities offering a Bachelor of Arts and/or Bachelor of Science degrees in Business Administration are Oregon State University, Portland State University, Southern Oregon State College, University of Oregon, and Western Oregon State College. Eastern Oregon State College offers a combined degree in Business and Economics.

The two-year program outlined below is designed to meet requirements at these institutions. However, the program has entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, you may consult with Chemeketa's Advising and Counseling Center or a Chemeketa advisor in your program.

Many colleges have specific requirements for admission to their Business Administration programs. These include specified GPA, completion of specific courses, and deadlines for admission. As a student, you are responsible for learning the program requirements of the school to which you plan to transfer. Consult with our Advising and Counseling Center or a Chemeketa advisor. You should also make early contact with an advisor at the institution to which you plan to transfer to learn of any possible changes in a program.

Refer to the Oregon Associate of Arts Transfer Degree information in the Degrees, Diplomas, Certificates, and Transfer Information section of this catalog beginning on Page 27.

	Term		
	1	2	3
First Year			
WR121 English Composition	3		
WR122 and 123 English Composition for SOSC; WR122 or 123 English Composition for UO; WR122 and WR123 or WR227 Technical Writing for WOSC; approved writing elective for OSU*		(3)	
BA214 Business Communications for PSU			(3)
Mathematics per placement test (MTH111 College Algebra, MTH243 Probability and Statistics, MTH241 Elementary Calculus for OSU, UO, and WOSC. MTH241 for EOSC; MTH241 and 243 for PSU; MTH111 and 243 for SOSC)	5	4	4
CS125DB DBASE for EOSC		(3)	
CS101 Introduction to Microcomputer Applications			3
Arts and Letters/Humanities courses* (PHL203 Ethics required for PSU accounting majors)	3	3	3
Social Science courses* (UO requires three courses from Anthropology, Sociology, and Psychology)	3	3	3
HPE295 Health and Fitness for Life* or elective	3		
Electives*		(3)	(3)
Second Year	4	5	6
BA211, 212 Financial Accounting	4	4	
BA213 Managerial Accounting			4
EC201, 202, 203 Economics (EC203 not required at EOSC, OSU, or UO but is recommended)	3	3	3
SP111 Fundamentals of Speech for EOSC and WOSC; SP111 or SP112 Fundamentals of Persuasion for OSU and PSU; choose one from SP111, 112, 113 Fundamentals of Small Group Communication or SP114 Interpersonal Communication for SOSC	3		
BA226 Business Law for EOSC, OSU, and WOSC; BA101 Business Environment for UO			3

Business courses to meet major requirements: BA101 Business Environment for EOSC		(3)	(3)
Arts and Letters/Humanities electives*	3		3
Science courses*	4	4	4
Social Science courses* (accounting majors at PSU need PS201, 202 American Government and one course in ANTH, PSY or SOC)		(3)	(3) (3)

*To meet four-year college general education requirements.

Chemistry

(college transfer)

Oregon state colleges and universities offering Bachelor of Arts and/or Bachelor of Science degrees in Chemistry are Eastern Oregon State College, Oregon State University, Portland State University, Southern Oregon State College, University of Oregon, and Western Oregon State College. SOSC also offers a Business-Chemistry co-major.

The one or two year program outlined below is designed to meet some of the requirements at these institutions. However, the program has entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, you may consult with Chemeketa's Advising and Counseling Center or a Chemeketa advisor in your program.

As a student, you are responsible for learning the program requirements of the school to which you plan to transfer. Consult with our Advising and Counseling Center or a Chemeketa advisor. You should also make early contact with an advisor at the institution to which



you plan to transfer to learn of any possible changes in a program.

Refer to the Oregon Associate of Arts Transfer Degree information in the Degrees, Diplomas, Certificates, and Transfer Information section of this catalog beginning on Page 27.

	Term		
First Year	1	2	3
WR121, 122, and/or 123 English Composition or 227 Technical Writing	3	3	3
CH221, 222, 223 General Chemistry	5	5	5
Mathematics per placement test through MTH254 (OSU and UO also requires MTH256 Applied Differential Equations; EOSC requires through MTH253 Series Calculus; WOSC requires through MTH252 Integral Calculus)	4-5	4-5	4-5
Arts and Letters/Humanities electives* (FR101, 102, 103 First-year French, GER101, 102, 103 First-year German or RUS101, 102, 103 First-year Russian for UO; PSU recommends a foreign language)	3-4	3-4	3-4
PH211, 212, 213 General Physics for Engineers and Scientists (PSU, SOSC, and UO students may substitute PH201, 202, 203)	4-5	4-5	4-5
Social Science courses*	3	3	3
MTH252, 255, 254 Calculus (EOSC requires CS161 Computer Science I-C Language; UO also recommends CS133F FORTRAN; OSU requires BI101 General Biology, WOSC does not require MTH254 and 255 but requires 6 hours of approved electives in Natural Science or Math)	5	4	4
HPE295 Health and Fitness for Life* or elective	3		
Arts and Letters/Humanities electives or Social Science electives*	3-4	3-4	3-4

*To meet four-year college general education requirements

Chiropractic

(college transfer)

Western States Chiropractic College in Portland offers a degree in Chiropractic Medicine. Students must complete two years of prechiropractic credits (90 quarter credits) with at least a 2.25 grade point average as well as a 2.25 grade point average in chemistry, zoology and/or biology courses.

The two-year program outlined below is designed to meet the prerequisite requirements for Western States Chiropractic College. However, the program has entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, you may consult with Chemeketa's Advising and Counseling Center or a Chemeketa advisor in your program.

As a student, you are responsible for learning the program requirements of the school to which you plan to transfer. Consult with our Advising and Counseling Center or a Chemeketa advisor. You should also make early contact with an advisor at the institution to which you plan to transfer to learn of any possible changes in a program.

Refer to the Oregon Associate of Arts Transfer Degree information in the Degrees, Diplomas, Certificates, and Transfer Information section of this catalog beginning on Page 27.

	Term		
First Year	1	2	3
CH221, 222, 223 General Chemistry	5	5	5
Mathematics per placement test through MTH111 College Algebra	5		
WR121 and 122 or 123 English Composition	3	3	
Other approved writing or speech course			3
PSY201 and 202 or 203 General Psychology (counts towards 15 credits of required Social Science)		3	3
Approved Humanities or Social Science electives*	3	6	4
Second Year	4	5	6
ZOO201, 202, 203 Zoology or BI231, 232 and one course in Zoology	4	4	4
PH201, 202, 203 General Physics	4	4	4
CH241, 242, 243 Organic Chemistry	5	5	5
Approved Humanities or Social Science electives*	3-4	3-4	3

*It is recommended that students who do not already have a bachelor's degree meet the following requirements for the Bachelor of Science degree in Human Biology at WSCC: 15 hours of social science from courses in economics, geography, history, political science, sociology, and psychology and 12 hours of arts and humanities chosen from art history, English, music history, philosophy and religion. (Three of these 12 hours may be in foreign language; an additional 3 hours may be in theater or music performance).

Civil-Structural Engineering Technology

The Civil-Structural Engineering Technology program offers both a one-year Certificate of Completion and a two-year Associate of Applied Science Degree. The one-year certificate program prepares the student for entry-level surveying, drafting, and materials testing positions. The two-year program prepares the student to provide preliminary designs of public works and structural engineering projects. Both curricula include courses and field experiences in drafting, surveying, and materials testing. The two-year program also includes basic engineering science; timber, steel, and reinforced concrete design; communication skills; psychology; water flow; and environmental and sanitary engineering.

Job opportunities vary. As a graduate of the two-year program, you may assist in the planning, design, and construction of bridges, tunnels, airports, pipelines, roads, dams, towers,

and buildings. You may go into public safety and services dealing with water supply and waste water treatment systems. As a technician on construction projects, you may assist in estimating costs, writing specifications, inspecting or testing materials, surveying, drafting, or designing.

The certificate program has been designed to be completed in one year and the degree program in two years, if you attend full time. However, there are entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, please meet with the program chair.

Survey Technology Certificate of Completion

In addition to tuition, estimated costs for students who complete the entire program are books, \$540; class fees, \$70; equipment and supplies, \$352. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn a Certificate of Completion by successfully completing these 47 required credit hours:

Course	Title	Credit Hours
Term 1		
CVL053	Calculator Proficiency.....	2
CVL060A	Plane Surveying I-Lecture.....	3
CVL060B	Plane Surveying I-Lab.....	2
CVL076	Soils Testing lab.....	1
CVL078	Concrete and Concrete Testing.....	3
DRF054	Drafting I.....	2
MTH081	Technical Mathematics I.....	4
	or	
MTH111	College Algebra (or higher).....	5
Term 2		
CVL061A	Plane Surveying II-Lecture.....	3
CVL061B	Plane Surveying II-Lab.....	2
CVL074	Construction Estimating Contracts and Specifications.....	4
DRF072	Introduction to AutoCAD.....	3
MTH082	Technical Mathematics II.....	4
	or	
MTH112	Trigonometry (or higher).....	5
Term 3		
CVL064A	Construction and Route Surveying-Lecture.....	3
CVL064B	Construction and Route Surveying-Lab.....	2
DRF073	Advanced AutoCAD.....	3
DRF081	Mapping and Platting.....	3
	or	
DRF082	Civil Drafting-Softdesk.....	3
DRF093	Technical Software Applications.....	3
	or	
CS125SS	LOTUS I-Worksheets.....	3

Associate of Applied Science degree

In addition to tuition, estimated costs for students who complete the entire program are books, \$1,212; class fees, \$82; equipment and supplies, \$352; certification exam, \$100. Contact the Financial Aid Office to find out if you qualify for help with these costs.

An Associate of Applied Science degree is awarded upon the successful completion of the required 97 credit hours. As a graduate of the program, you may transfer to Oregon Insti-

tute of Technology to complete course work for a Bachelor of Science degree in engineering technology.

Chemeketa also offers a pre-engineering transfer program for students who want to transfer to an accredited four-year college or university to earn a Bachelor of Science degree. For details, look under Engineering (college transfer).

Course	Title	Credit Hours
Term 1		
CVL053	Calculator Proficiency.....	2
CVL060A	Plane Surveying I-Lecture.....	3
CVL060B	Plane Surveying I-Lab.....	2
CVL076	Soils Testing Laboratory.....	1
CVL078	Concrete Testing.....	3
DRF054	Drafting I.....	2
MTH081	Technical Mathematics I.....	4
	or	
MTH111	College Algebra (or higher).....	5
Term 2		
CVL061A	Plane Surveying II-Lecture.....	3
CVL061B	Plane Surveying II-Lab.....	2
CVL074	Construction Estimating, Contracts and Specifications.....	4
DRF072	Introduction to AutoCAD.....	3
MTH082	Technical Mathematics II.....	4
	or	
MTH112	Trigonometry (or higher).....	5
Term 3		
CVL064A	Construction and Route Surveying-Lecture.....	3
CVL064B	Construction and Route Surveying-Lab.....	2
CVL080	Applied Mechanics.....	3
DRF073	Advanced AutoCAD.....	3
DRF093	Technical Software Applications.....	3
	or	
CS125SS	LOTUS I-Worksheets.....	3
MTH083	Technical Mathematics III.....	4
	or	
MTH251	Differential Calculus (or higher).....	5
Term 4		
CVL082	Strength of Materials I.....	4
CVL087	Hydraulics.....	4
DRF082	Civil Drafting-Softdesk.....	3
DRF084	GIS Applications Lab.....	1
GEOG105	Introductory Geography.....	3
Term 5		
COM051	Communication Skills I.....	3
	or	
WR121	English Composition-Exposition.....	3
CVL090	Timber Design and Construction.....	3
CVL091	Steel Design and Construction.....	3
DRF085	Geographic Information Systems (GIS).....	3
PH081	Applied Physics.....	4
	or	
CH121	College Chemistry.....	5
	or	
PH201	General Physics.....	4
	or	
G201	Geology.....	4
Term 6		
COM053	Technical Report Writing.....	3
	or	
WR227	Technical Writing.....	3
CVL084	Soil Mechanics and Foundations.....	3
CVL088	Environmental and Sanitary Engineering.....	3
CVL092	Reinforced Concrete Design and Construction.....	3
DRF083	Project Development.....	3

Computer Electronics Technology

see Electronics Technologies

Computer Programming

Chemeketa's Computer Programming curriculum is for students who wish to become professional business-application programmers. As a graduate of this program, you will meet the minimum educational and experience requirements to qualify for the State of Oregon employment classification as a computer programmer trainee. After six months of experience, you may qualify as a computer programmer.

The Microcomputer Support Specialist option is for those who wish to become professionals in the microcomputer local area network (LAN) integrated application environment. The two-year program includes theory and technical information as well as experience in performing actual microcomputer systems maintenance tasks. The curriculum emphasizes problem solving and working effectively with people.

In either program you may select individual courses to meet your needs, or you may work toward an Associate of Applied Science degree.

You may be interested in our Cooperative Work Experience program which allows you to earn college credit for work you do relating to your program. With the approval of the pro-

gram chair, you may enroll in CS280 Cooperative Work Experience and earn college credit hours. For more information, look under Cooperative Work Experience in the catalog index.

The program has been designed to be completed in two years, if you attend full time. However, there are entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, please meet with the program chair.

In addition to tuition, estimated costs for students who complete the entire program are books, \$1,092; class fees, \$168; equipment and supplies, \$75. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn an Associate of Applied Science degree by successfully completing these required 94 credit hours:

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Course	Title	Credit Hours
Term 1		
CIS120	Computer Information Science I.....	4
CIS121	Computer Information Science II.....	4
MTH105	Introduction to Contemporary Mathematics (or higher)	4
WR121	English Composition-Exposition (or higher)....	3



Term 2	
BA211	Financial Accounting I.....4
CS133C	COBOL I.....4
CS140B	Microcomputer Operating Systems.....3
CS285	Fourth-Generation Language-SQL.....3
Term 3	
BA212	Financial Accounting I.....4
CS140A	OS Concepts and Facilities.....3
CS233C	COBOL II.....4
FE205	Job Search Techniques.....1
SP111	Fundamentals of Speech (or higher).....3
Term 4	
CS133E	Easytrieve Plus.....3
CS234L	On-Line Programming Techniques.....4
CS244	Systems Analysis I.....3
CS280	Cooperative Work Experience.....4
	or
	Business elective*.....4
WR227	Technical Report Writing.....3
Term 5	
CS246	Systems Analysis II.....3
CS275	Data Base Management.....3
CS278	Data Communications.....3
CS280	Cooperative Work Experience.....4
	or
	Business elective*.....4
	Humanities/fine arts elective.....3
	or
	Science/applied science elective.....3
Term 6	
CS234C	COBOL/CISC Programming Techniques.....4
CS280	Cooperative Work Experience.....4
	or
	Business elective*.....4
	Social Science elective.....3
	Computer science electives**.....6

***Business elective:** Choose courses with prefixes BA, BAN, CS, CIS, EC, OA, and RE except OA084, BA051, BA052, and BA053.

****Computer science elective:** Choose courses with CS or CIS prefixes.

Microcomputer Support Specialist Option

This option emphasizes the horizontal integration of application packages and provides an introduction to microcomputer programming. It includes training in installing and integrating many of the software packages used by businesses.

In addition to tuition, estimated costs for students who complete the entire program are books, \$1,092; class fees, \$212; equipment and supplies, \$80. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn an Associate of Applied Science degree by successfully completing these required 96 credit hours:

Course	Title	Credit Hours
Term 1		
CIS120	Computer Information Science I.....4	
CIS121	Computer Information Science II.....4	
MTH105	Introduction to Contemporary Mathematics (or higher).....4	
WR121	English Composition-Exposition (or higher) ...3	
Term 2		
BA211	Financial Accounting I.....4	
CS125SS	LOTUS I-Worksheets.....3	
CS133U	C Language.....4	
CS140B	Microcomputer Operating Systems.....3	
	Humanities/fine arts elective.....3	
	or	
	Science/applied science elective.....3	
Term 3		
BA212	Financial Accounting II.....4	
CIS122	Computer Information Science III.....4	

CS135SS	LOTUS II-Macros.....3
CS233U	Advanced C.....4
	or
CS125FX	Micro Database Software-FoxPro.....3
FE205	Job Search Techniques.....1
Term 4	
CS125DB	dBASE.....3
CS240	Advanced MS/DOS Utilities.....3
CS244	Systems Analysis I.....3
CS280	Cooperative Work Experience.....3
	or
	Computer science elective*.....3
WR227	Technical Report Writing.....3
Term 5	
CS145	Microcomputer Hardware/ Software Evaluation.....4
CS171	Computer Organizations.....4
CS275	Data Base Management.....3
CS278	Data Communications.....3
CS280	Cooperative Work Experience.....3
	or
	Computer science elective*.....3
Term 6	
CS050	Data Communications Lab.....2
CS060	Techniques of User Training.....2
CS135DB	Advanced dBASE.....3
	or
CS125FX	Micro Database Software-FoxPro.....3
CS279	Network Management.....3
SP111	Fundamentals of Speech (or higher).....3
	Social Science elective.....3

***Computer science elective:** Choose courses with CS or CIS prefixes.

Computer Science

(college transfer)

Oregon state colleges and universities offering Bachelor of Arts and/or Bachelor of Science degrees in Computer Science are Oregon State University, Portland State University, Southern Oregon State College, University of Oregon, and Western Oregon State College. Southern Oregon also has a computer information science option.

The one- or two-year program outlined below is designed to meet requirements at these institutions. However, the program has entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, you may consult with Chemeketa's Advising and Counseling Center or a Chemeketa advisor in your program.

As a student, you are responsible for learning the program requirements of the school to which you plan to transfer. Consult with our Advising and Counseling Center or a Chemeketa advisor. You should also make early contact with an advisor at the institution to which you plan to transfer to learn of any possible changes in a program.

Refer to the Oregon Associate of Arts Transfer Degree information in the Degrees, Diplomas, Certificates, and Transfer Information section of this catalog beginning on Page 27.

	Term		
	1	2	3
First Year			
CS161, 162, 260 Computer Science I, II and III (required by all except UO; recommended for UO)	4	4	4
Mathematics per placement test*	4	4	4
Science courses to meet college and Computer Science major requirement* (PH211, 212, 213 General Physics for Engineers and Scientists and 4 hours Biological Science for OSU; PH211, 212, 213 Physics for PSU; PH211, 212, 213; PH201, 202, 203 General Physics; BI101, 102, 103 General Biology; or CH121, 122, 123 General Chemistry for UO)	4-5	4-5	4-5
WR121, 122 and/or 123 English Composition and/or WR227 Technical Writing* (WR121, 122, 227 for OSU and SOSC; WR121 and WR227 and SP111 Fundamentals of Speech for PSU; WR121 and WR122 or 123 for UO; WR121 and two courses from WR122, 123, 227 for WOSC)	3	3	(3)
It is recommended that students planning to attend PSU and UO transfer after completing one year.			
Second Year	4	5	6
Computer Science course to meet major requirements (CS133A Assembler I and CS171 Principles of Computer Organization for OSU; CS133A or CS171 and CS133U C Language for PSU; CS133A, CS171, for SOSC; CS171 for WOSC)	3-4	3-4	3-4
Mathematics to meet major requirements through MTH253 and MTH231, 232 Discrete Mathematics for OSU and UO; through MTH254 Vector Calculus I for PSU and WOSC; through MTH253 and MTH231 for SOSC	4	4	4
Social Science courses* (UO requires PSY201, 202 General Psychology)	3	3	3
Arts and Letters/Humanities sequence* HPE295 Health and Fitness for Life* or elective	3	3	3
Electives*		3-4	3-4

*To meet four-year college general education requirements.

Construction Skills Training

Chemeketa offers Construction Skills Training for those whose interests lie in working with their hands and being outdoors. This two-term (22-week) program can prepare you for a career in the construction trades. Instruction will be given in basic safety and first aid, plan reading and site layout, carpentry, and bricklaying. Students will use Associated General Contractor curriculum and workbooks during these training activities.

Estimated costs for students who complete the two-term program are tuition, \$1,600; books, \$50; first aid and CPR certification fee, \$25. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn a Certificate of Completion by successfully completing these 33 required credit hours:

Course	Title	Credit Hours
Term 1		
CTX050	Fundamentals of Construction.....	18
Term 2		
CTX060	Applied Construction Principles.....	15

Criminal Justice

Graduates of Chemeketa's Criminal Justice program may become law enforcement officers or correctional officers. Although there is much competition for such positions, they offer good benefits. Graduates may also find other jobs in intake and release work in correctional institutions and in private and public security work. Or, as a graduate, you may work as an insurance adjuster or a hearings officer or licensing inspector for the state Department of Motor Vehicles.

However, many employers require employees to earn a bachelor's degree before entering or advancing in this field. Chemeketa's program is planned so that you may transfer to a four-year institution. The courses also may meet social science requirements at some four-year institutions. Before you enroll at Chemeketa, consult with Chemeketa's Advising and Counseling Center and an advisor at the institution to which you plan to transfer.

You may be interested in our Cooperative Work Experience program which allows you to earn college credit for work you do relating to your program. With the approval of the program chair, you may enroll in CJ280 Cooperative Work Experience and earn college credit hours. For more information, look under Cooperative Work Experience in the catalog index.

The program has been designed to be completed in two years, if you attend full time. However, there are entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, please meet with the program chair.

In addition to tuition, estimated costs for students who complete the entire program are books, \$900. Contact the Financial Aid Office to find out if you qualify for help with these costs.

An Associate of Applied Science degree is awarded upon successful completion of the 91 required credit hours listed below. These include the 58 credit hours listed under general education requirements, 18 credit hours of Criminal Justice core requirements, and 15 credit hours of Criminal Justice electives.



ited by the American Dental Association Commission on Accreditation.

The program includes instruction in assisting dentists in private offices or dental health clinics plus clinical and field trip experiences.

Typical duties of dental assistants include preparing patients for treatment, mixing dental materials, taking impressions, sterilization and infection control, exposing and developing radiographs, and inventory control. Laboratory duties include pouring study models of teeth and fabri-

cation of custom trays, temporary crowns, and small appliances. As office manager, a dental assistant acts as a receptionist, schedules appointments, keeps accounts and records, prepares statements, and is responsible for the general appearance of an office.

This program has special admission requirements and enrollment limits. For additional information, contact the Admissions Office at 399-5006.

To enroll, you must have a high school diploma or GED certificate.

The program has been designed to be completed in one year, if you attend full time. However, there are entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, please meet with the program chair.

In order to graduate, you must score at MTH051 or higher on the ASSET placement examination or show mathematics proficiency through a college-level course. Students must possess a level C CPR card prior to enrollment in winter term classes. You are required to earn a grade of C or better in all courses. As a graduate you are eligible to take the National Certification Examination for Dental Assisting.

In addition to tuition, estimated costs for students who complete the entire program are books, \$440; class fees, \$145; equipment and supplies, \$465; test fees, \$145; physical exami-

.....
General education requirements (58 credit hours)

Course	Title	Credit Hours
WR121	English Composition-Exposition	3
WR122	English Composition Logic and Style	3
WR227	Technical Writing.....	3
	or	
WR123	English Composition-Research Writing	3
CS101	Introduction to Microcomputer Applications (or higher)	3
	Speech elective	3
MTH105	Introduction to Contemporary Mathematics (or higher)	4
	Physical education electives (three different activities).....	3
	Social Science sequence	9
	Humanities sequence.....	9
	General education electives.....	18

Criminal Justice core requirements (18 credit hours)

CJ100	Survey of the Criminal Justice System	3
CJ101	Criminology	3
CJ132	Introduction to Parole and Probation.....	3
CJ206	Crime and Delinquency	3
CJ215	Criminal Justice Administration	3
CJ226	Introduction to Constitutional Law.....	3

Criminal Justice electives (Select 15 credit hours)

CJ110	Introduction to Law Enforcement	3
CJ131	Introduction to Penology	3
CJ200	Police and Public Policy.....	3
CJ207	Seminar in Criminal Justice.....	3
CJ210	Introduction to Criminal Investigation	3
CJ220	Introduction to Substantive Law and Oregon Criminal Code	3
CJ230	Introduction to Juvenile Corrections.....	3
CJ231	Introduction to Corrections Process	3
CJ232	Introduction to Corrections Casework	3
CJ280	Cooperative Work Experience.....	3

Dental Assisting

The Dental Assisting program offers technical training to persons who want to work in dental offices and clinics. The program is accred-

nation, \$80; measles vaccination, \$10; Hepatitis B series, \$150. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn a Certificate of Completion by successfully completing these 60 required credit hours:

Course	Title	Credit Hours
Term 1		
BI060	Basic Science Principles.....	3
DEN050	Dental Science I.....	3
DEN051	Introductory Concepts in Dental Assisting.....	3
DEN052	Dental Anatomy and Physiology.....	3
DEN053	Dental Materials I.....	4
SP118A	Interpersonal Communication in the Health Profession*.....	1
Term 2		
DEN060	Dental Science II.....	4
DEN061	Dental Assisting Practices I.....	3
DEN062	Expanded Functions I.....	3
DEN063	Dental Materials II.....	4
DEN064	Dental Radiology I.....	4
SP118B	Interpersonal Communication in the Health Profession*.....	1
Term 3		
CS101	Introduction to Microcomputer Applications (or higher).....	3
DEN070	Dental Office Management.....	2
DEN071	Dental Office Practicum II.....	6
DEN072	Expanded Functions II.....	3
DEN074	Dental Radiology II.....	2
DEN080	Dental Assisting Seminar.....	2
SP118C	Interpersonal Communication in the Health Profession*.....	1
Term 4		
DEN081	Dental Office Practicum III.....	5

*SP111, SP112, SP113 may be substituted.

Dental Hygiene

(college transfer)

Oregon state colleges and universities offering a Bachelor of Science degree in Dental Hygiene are Oregon Health Sciences University and Oregon Institute of Technology.

Admission to the Dental Hygiene program is competitive; only a limited number of applicants is accepted each year. It is important to check with the college of your choice for admission requirements and deadlines, and to obtain admission materials early, as requirements change.

The two-year program outlined below is designed to meet requirements at OHSU and OIT. Since OIT begins dental hygiene courses in the second year, it will be to the student's advantage to transfer after completing first-year classes at Chemeketa. Application must be made by April 1.

This program has entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, you may consult with

Chemeketa's Advising and Counseling Center or a Chemeketa advisor in your program.

As a student, you are responsible for learning the program requirements of the school to which you plan to transfer. Consult with our Advising and Counseling Center or a Chemeketa advisor. You should also make early contact with an advisor at the institute to which you plan to transfer to learn of any possible changes in a program.

Refer to the Oregon Associate of Arts Transfer Degree information in the Degrees, Diplomas, Certificates, and Transfer Information section of this catalog beginning on Page 27.

	Term		
	1	2	3
First Year			
BI231, 232, 233 Anatomy and Physiology for OIT or ZOO201, 202, 203 General Zoology for OHSU	4	4	4
CH121, 122, 123 College Chemistry for OIT; CH104, 105, 106 Chemistry for Allied Health or CH121, 122, 123 for OHSU**	4-5	4-5	4-5
PSY201 General Psychology for OHSU (6 credit hours from PSY100, 101, 201, 202, 203, 206, 237, 246 for OIT)	3	3	
ANTH103 Cultural Anthropology for OHSU			3
WR121, 122 English Composition (or WR123 or 227 for OHSU)	3	3	
SP111 Fundamentals of Speech for OIT; (SP111 or other speech classes for OHSU)			3
CS101 Introduction to Microcomputer Applications for OIT	3		
BI234 Microbiology for OIT			4
MTH095 Intermediate Algebra for OIT (recommended for OHSU)		4	
PE185 Any Physical Education elective for OIT			1
Elective (3 hours for OIT)	(3)	(3)	3
Second Year	4	5	6
FN225 Nutrition		(4)	
SOC204 General Sociology	3		
WR227 Technical Writing for OIT			(3)
Humanities electives* (9 hours for OIT; 6 hours from Art History, Literature, Philosophy, Speech, Theater Arts, or second year foreign language for OHSU)	3	3	3
PE185 Physical activity (1 credit for OIT)			
MTH111 College Algebra for OIT	(5)		
SP113 Fundamentals of Small Group Communication for OIT		3	
Social Science electives: 3 hours from Anthropology, History, Economics, Geography, Psychology, Social Science, Political Science for OIT			3
Electives (additional electives to bring total transferable credits to 91 for OHSU)	0-9	0-9	0-9

*To meet four-year college general education requirements.

**OHSU requires science courses be completed within the past 10 years.

Drafting Technology–CAD

Drafting Technology offers three paths of entry into careers in drafting and design: Drafting, Mechanical Design, and Computer-Aided Design/Computer-Aided Manufacturing (CAD/ CAM). During the first year students in all three areas share many courses so that they

may explore, gain insight, and consult with advisors to make knowledgeable decisions about their careers. Choose individual courses to meet your needs, or work toward an Associate of Applied Science degree. You should choose Drafting, Mechanical Design, or CAD/CAM as soon as possible during your first year.

You may be interested in our Cooperative Work Experience program, which allows you to earn college credit for work you do relating to your program. In your third term, as a full-time student, with the approval of the program chair you may enroll in DRF280 Cooperative Work Experience and earn college credit hours. For more information, look under Cooperative Work Experience in the catalog index.

The program has been designed to be completed in two years, if you attend full time. However, there are entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, please meet with the program chair.

After graduating, you may transfer to an institution such as Oregon Institute of Technology to complete the course work for a bachelor's degree in industrial management.

Drafting Option

This curriculum offers training and knowledge in skills which apply to technical drafting but which normally you cannot gain through experience alone, such as principles of design, materials and processes, mathematics, and physical science concepts.

Drafting courses are planned to train you in conventional drafting methods such as free-hand lettering, preliminary sketching, pencil and ink drafting and Computer-Aided Drafting (CAD), and in design.

In addition to tuition, estimated costs for students who complete the entire program are books, \$1,243; class fees, \$126; equipment and supplies, \$227. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn an Associate of Applied Science degree by successfully completing these required 95 credit hours:

Course	Title	Credit Hours
Term 1		
DRF050	Sketching	1
DRF051	Machine Drafting I.....	3
DRF065	Introduction to HP48 Calculators	2
DRF072	Introduction to AutoCAD	3
MFG053	Manufacturing Processes	3
MTH081	Technical Mathematics I.....	4
	or	
MTH111	College Algebra (or higher).....	5
Term 2		
COM051	Communication Skills I.....	3
	or	

WR121	English Composition-Exposition.....	3
DRF053	Machine Drafting II.....	1
DRF056	Architectural Drafting	3
DRF073	Advanced AutoCAD	3
MTH082	Technical Mathematics II.....	4
	or	
MTH112	Trigonometry (or higher).....	5

Term 3

CVL066A	Surveying for Drafters	2
CVL066B	Surveying for Drafters-Lab	2
DRF074	Descriptive Geometry.....	3
DRF075	AutoCAD 3-D.....	2
DRF081	Mapping and Platting	3
DRF093	Technical Software Applications.....	3
	or	
CS125Q	Worksheets-Quattro	4
	General education elective.....	3
	or	
	Cooperative Work Experience.....	3

Term 4

CVL054	Engineering Fundamentals	3
DRF078	AutoLISP Programming.....	3
DRF082	Civil Drafting-Softdesk.....	3
DRF084	GIS Applications Lab.....	1
ELE060	Electronic Fundamentals	4
GEOG105	Introductory Geography.....	3

Term 5

DRF077	Introduction to MicroStation PC.....	3
DRF085	Geographic Information System (GIS)	3
DRF089	Structural Drafting.....	3
DRF090	Electronic Drafting	3
PH081	Applied Physics (or higher).....	4

Term 6

COM053	Technical Report Writing	3
	or	
WR227	Technical Writing	3
DRF055	Architectural Design.....	3
DRF061	Technical Illustration	3
DRF070	CAD Pipe Systems.....	2
DRF079	CAD Electronics.....	3

Mechanical Design Option

Mechanical Design is a comprehensive drafting program with practical approaches to engineering and design concepts using both conventional and Computer-Aided Drafting (CAD) methods.

You may train to become a technician in machine, electronic, control system, and tool-design drafting. The program emphasizes the use of the computer as a problem-solving tool in these job areas. Instruction in design also stresses the use of manufacturers' technical catalogs, technical handbooks, and practical applications of theoretical and mathematical concepts studied in courses taken concurrently.

With specific course substitutions you may transfer credits to the Mechanical Engineering Technology Program at Oregon Institute of Technology. See your advisor for details.

In addition to tuition, estimated costs for students who complete the entire program are books, \$1,451; class fees, \$111; equipment and supplies, \$289. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn an Associate of Applied Science degree by successfully completing these required 96 credit hours:

Course	Title	Credit Hours
Term 1		
DRF050	Sketching	1
DRF051	Machine Drafting I.....	3
DRF065	Introduction to HP48 Calculators	2

DRF072	Introduction to AutoCAD	3
MFG053	Manufacturing Processes	3
MTH081	Technical Mathematics I	4
	or	
MTH111	College Algebra (or higher).....	5
Term 2		
DRF053	Machine Drafting II	1
DRF068	Geometric Tolerancing	1
DRF073	Advanced AutoCAD	3
DRF076	CAD Mechanical	2
MFG054	Geometric Tolerancing Lab	1
MTH082	Technical Mathematics II.....	4
	or	
MTH112	Trigonometry (or higher).....	5
PH081	Applied Physics	4
	or	
PH201	General Physics (or higher)	4
Term 3		
CVL080	Applied Mechanics.....	3
DRF074	Descriptive Geometry	3
DRF075	AutoCAD 3-D	2
DRF093	Technical Software Applications*	3
	or	
CS125Q	Worksheets-Quattro	4
MTH083	Technical Mathematics III	4
	or	
MTH251	Differential Calculus (or higher)	5
PSY246	Introduction to Industrial Psychology.....	3
	or	
	Humanities/fine arts	3
	or	
	Social Science elective	3
Term 4		
CVL082	Strength of Materials I	4
DRF071	Machine Design Lab I	3
DRF078	AutoLISP Programming*	3
DRF086	Power Transmission Design	3
ELE060	Electronic Fundamentals	4
Term 5		
COM051	Communications Skills I.....	3
	or	
WR121	English Composition-Exposition	3
DRF066	Tool Design.....	3
DRF077	Introduction to MicroStation PC	3
DRF089	Structural Drafting*	3
DRF090	Electronic Drafting*	3
Term 6		
COM053	Technical Report Writing.....	3
	or	
WR227	Technical Writing.....	3
DRF061	Technical Illustration*	3
DRF070	CAD Pipe Systems	2
DRF079	CAD Electronics*	3
DRF087	Flexible Manufacturing Systems.....	3

*Courses in math, physics, and engineering 200 and above and science-related chemistry courses may be substituted.

Computer-Aided Design/ Computer-Aided Manufacturing (CAD/CAM) Option

The Computer-Aided Design/Computer-Aided Manufacturing (CAD/CAM) option offers training in using computers as tools in engineering, drafting, machine tool control, robotics, electronics, and industrial mechanical design.

You may gain knowledge and skills in operating computer design terminals, programming, and evaluating software problems. Then apply your knowledge and skills to solving increasingly complex design and machining problems. After you successfully complete this option, you may begin employment or upgrade your qualifications as an engineer and/or a design technician. This may be in the fields of engineering and manufacturing operations and in using computers in drafting and in designing and controlling machine tools.



In addition to tuition, estimated costs for students who complete the entire program are books, \$1,388; class fees, \$141; and equipment and supplies, \$287. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn an Associate of Applied Science degree by successfully completing these required 96 credit hours:

Course	Title	Credit Hours
Term 1		
DRF051	Machine Drafting I.....	3
DRF072	Introduction to AutoCAD.....	3
MFG053	Manufacturing Processes.....	3
MTH081	Technical Mathematics I	4
	or	
MTH111	College Algebra (or higher).....	5
WR121	English Composition-Exposition.....	3
	or	
COM051	Communication Skills I	3
Term 2		
DRF053	Machine Drafting II.....	1
DRF068	Geometric Tolerancing.....	1
DRF073	Advanced AutoCAD	3
DRF076	CAD Mechanical.....	2
MFG054	Geometric Tolerancing Lab.....	1
MFG093	CNC Machine Tool Fundamentals	5
MTH082	Technical Mathematics II	4
	or	
MTH112	Trigonometry (or higher).....	5
Term 3		
CVL080	Applied Mechanics	3
DRF074	Descriptive Geometry.....	3
DRF075	AutoCAD 3-D.....	2
DRF093	Technical Software Applications	3
	or	
CS125Q	Worksheets-Quattro	4
MFG094	Manufacturing Programming	5
Term 4		
CVL082	Strength of Materials I.....	4
DRF071	Machine Design Lab I.....	3
DRF086	Power Transmission.....	3

ELE060	Electronic Fundamentals	4
Term 5		
CS145	Microcomputer Software and Hardware Evaluations	4
	or	
MFG069	QC Fundamentals/CMM Operation	4
DRF066	Tool Design Lab I	3
MFG095	CAM Applications	5
PH081	Applied Physics	4
	or	
PH201	General Physics	4
Term 6		
COM053	Technical Report Writing	3
	or	
WR227	Technical Writing	3
DRF087	Flexible Manufacturing Systems	3
MFG096	CAD-CAM Integrations	5
PSY246	Introduction to Industrial Psychology	3
	or	
	Humanities/fine arts elective	3
	or	
	Social Science elective	3
	General education elective	3
	or	
	Cooperative Work Experience	3

Early Childhood Education

Early Childhood Education is a comprehensive program of both theory and practical experiences designed to prepare you to work with young children. Many of the courses may be helpful to parents of preschool-age children and to persons working with families, children, and individuals. Graduates may qualify to be child care aides, assistants, and teachers in pre-schools, day care centers, kindergartens, and Head Start programs.

You may select individual courses to meet your needs, or you may work toward an Associate of Applied Science degree or a Certificate of Completion. Students in the program must earn grades of C or better in all Early Childhood Education courses. A valid first-aid card is required for graduation from both the one-year and two-year programs.

You may be interested in our Cooperative Work Experience program, which allows you to earn college credit for work you do relating to your program. With the approval of the program chair, you may enroll in ECE280 Cooperative Work Experience and earn college credit hours. For more information, look under Cooperative Work Experience in the catalog index.

The certificate program has been designed to be completed in one year and the degree program in two years, if you attend full time. However, there are entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, please meet with the program chair.

One-Year Option

In addition to tuition, estimated costs for students who complete the one-year program are books, \$380; class fees, \$25; equipment and supplies, \$30; immunization fees, \$10; basic first aid card, \$25; conference registration, \$50. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn a Certificate of Completion by successfully completing these 51 required credit hours:

Course	Title	Credit Hours
Term 1		
ECE068A	Observing Preschool Experiences	1
ECE150	Introduction and Observation in Early Childhood Education	3
ECE161	Infant/Toddler Practicum	3
HDFS222	Family Relationships	3
HDFS225	Prenatal, Infant and Toddler Development.....	3
HDFS249	Introduction to Working with Infants and Toddlers	3
Term 2		
ECE068B	Observing Preschool Experiences	1
ECE151	Observing and Guiding Behavior	3
ECE152	Creative Activities	3
ECE155	Child Nutrition.....	2
	or	
FN225	Nutrition	4
ECE162	Early Child Educator Orientation.....	2
HDFS247	Preschool Child Development.....	3
WR121	English Composition-Exposition (or higher)...	3
Term 3		
ECE068C	Observing Preschool Experiences	1
ECE153	Music and Movement for Young Children	3
ECE154	Children's Literature and Literacy	3
ECE163	Preschool Practicum	4
HDFS229	Development in Middle Childhood	3
HDFS248	Learning Experiences for Young Children.....	4

Two-Year Option

In addition to tuition, estimated costs for students who complete the entire program are books, \$768; class fees, \$38; equipment and supplies, \$60; immunization fees, \$10; basic first aid card, \$25; conference registration, \$50. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn an Associate of Applied Science degree by successfully completing these required 94 credit hours:

Course	Title	Credit Hours
Term 1		
ECE068A	Observing Preschool Experiences	1
ECE150	Introduction and Observation in Early Childhood Education	3
ECE161	Infant/Toddler Practicum	3
HDFS222	Family Relationships	3
HDFS225	Prenatal, Infant and Toddler Development.....	3
HDFS249	Introduction to Working with Infants and Toddlers	3
Term 2		
ECE068B	Observing Preschool Experiences	1
ECE151	Observing and Guiding Behavior	3
ECE152	Creative Activities.....	3
ECE155	Child Nutrition.....	2
	or	
FN225	Nutrition	4
ECE162	Early Child Educator Orientation.....	2
HDFS247	Preschool Child Development.....	3
WR121	English Composition-Exposition (or higher)...	3
Term 3		
ECE068C	Observing Preschool Experiences	1
ECE153	Music and Movement for Young Children	3
ECE154	Children's Literature and Literacy	3

ECE163	Preschool Practicum.....	4
HDFS229	Development in Middle Childhood.....	3
HDFS248	Learning Experiences for Young Children	4

Term 4

ECE251	Environments for Young Children.....	3
ECE261	Student Teaching I, Early Childhood Education	6
HDFS285	Professional Issues in Early Childhood Education	3
MTH052	Introduction to Algebra and Geometry (or higher)	3

Term 5

ECE280D	Cooperative Work Experience	4
ED258	Multicultural Education	3
	or	
ED268	Educating the Mildly and Severely Handicapped.....	3
HDFS257	Home, School and Community	3
	Computer science elective	3
	Humanities/fine arts elective*	3
	or	
	Science/applied science elective*.....	3
	or	
	Communications elective*	3

Term 6

ECE262	Student Teaching II, Early Childhood Education	6
ECE295	Administration of Early Childhood Education Programs.....	3
	Humanities/fine arts elective*	3
	or	
	Science/applied science elective*.....	3
	or	
	Communications elective*	3

*Category may not be repeated.

Economics

(college transfer)

Oregon state colleges and universities offering Bachelor of Arts and/or Bachelor of Science degrees in Economics are Oregon State University, Portland State University, Southern Oregon State College, University of Oregon, and Western Oregon State College. UO also offers a five-year program combining an undergraduate economics major and a master of business administration.

The two-year program outlined below is designed to meet requirements at these institutions. However, the program has entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, you may consult with Chemeketa's Advising and Counseling Center or a Chemeketa advisor in your program.

As a student, you are responsible for learning the program requirements of the school to which you plan to transfer. Consult with our Advising and Counseling Center or a Chemeketa advisor. You should also make early contact with an advisor at the institution to which you plan to transfer to learn of any possible changes in a program.

Refer to the Oregon Associate of Arts Transfer Degree information in the Degrees, Diplomas,

Certificates, and Transfer Information section of this catalog beginning on Page 27.

	Term		
	1	2	3
First Year			
WR121, WR122 and/or 123 English Composition or WR227 Technical Writing*	3	3	(3)
Social Science courses*	3	3	3
Arts and Letters/Humanities courses*	3	3	3
Math or Science courses (MTH111 College Algebra and MTH241 Elementary Calculus or MTH251 Differential Calculus for OSU; MTH111, MTH243 Probability and Statistics, and MTH241 for PSU; UO requires MTH111, 241, 242 (at UO), 243 or MTH251, 252, 253 Calculus; SOSC recommends MTH251, 252, 253 for graduate work.)*	5	4	4
HPE295 Health and Fitness for Life* or electives	3		
Electives*		3	3-6
Second Year			
Economics sequence: EC201, 202, 203	3	3	3
Science Electives*	4	4	4
Arts and Letters/Humanities or Social Science electives*	3	3	3
Electives (BA211 Financial Accounting and CS133F Fortran IV for PSU)	6-7	6-7	6-7

*To meet four-year college general education requirements.

Education

see also Early Childhood Education, Instructional Assistant, and Professional-Technical Teacher Preparation

Elementary Education

(college transfer)

Oregon state colleges and universities offering Elementary Education programs are Eastern Oregon State College and Western Oregon State College, which offer a Bachelor of Arts and/or Bachelor of Science degrees in Elementary Education, and Eastern Oregon State College, Oregon State University, Portland State University, and Southern Oregon State College, which offer fifth-year programs.

Students planning on attending EOSC will earn their degree in Multidisciplinary Studies. Students should see a Chemeketa advisor or consult with the EOSC School of Education for requirements. Students planning on enrolling in a college offering a fifth-year Elementary Education program must obtain a baccalaureate degree in an academic major before being admitted to the fifth-year teacher education program. The major may be in general or liberal studies or in any subject taught in elementary schools. OSU recommends students major in Liberal Studies, General Science, Human Development, Family Studies, Exercises and Sport Science, or a single discipline that relates to the elementary school curriculum.

Admission to both four-year and fifth-year education programs requires a minimum grade point average (GPA), usually 2.75 to 3.00. Admission also requires passing the General Knowledge and Communications Skill sections of the National Teacher Exam (NTE). EOOSC requires passing California Basic Educational Skills Test (CBEST) in addition to NTE. Students transferring to EOOSC or WOSC are advised to take the NTE at the completion of their general education requirements or during their sophomore year, as NTE scores are included as data required for admission to the Elementary Education program.

Students planning to transfer to a college offering a fifth-year program should follow the program outlined in the catalog for the academic major which they plan to complete before entering a fifth-year program.

The program outlined below is designed to meet prerequisite requirements at EOOSC and WOSC. However, the program has entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, you may consult with Chemeketa's Advising and Counseling Center or a Chemeketa advisor in your program.

Students planning to transfer to the four-year baccalaureate degree programs at EOOSC and WOSC should follow the program below:

	Term		
	1	2	3
First Year			
WR121, 122, 123 English Composition (WR227 Technical Writing acceptable in place of WR122 or 123)*	3	3	3
Mathematics (per placement test through MTH211, 212, 213 Foundations of Elementary Mathematics; MTH095 prerequisite) or Life Science or Earth Science sequence for EOOSC	3-4	3-4	3-4
Literature sequence (ENG104, 105, 106 Introduction to Literature or ENG107, 108, 109 World Literature recommended for WOSC; EOOSC requires only ENG104)*	3	3	3
Social Science courses (EOOSC requires 23 credit hours to include: American History, World History, Geography and Psychology) *	3	3	3
HPE295 Health and Fitness for Life	3		
Computer Science elective (CS101)*		3	
Speech elective (SP111 recommended)*			3
A one-year sequence in a foreign language may be substituted for 3 hours of English Composition, 6 hours of Social Science and 2 hours of PE activity classes at WOSC			
Second Year	4	5	6
MTH211, 212, 213 Foundations of Elementary Mathematics (if not taken first year)	(3)	(3)	(3)
Creative Arts Electives for WOSC (courses in ART, MUS or TA)*	3	3	3
Science Sequence (BI101, 102, 103 General Biology; BI231, 232, 233 Human Anatomy and Physiology; or G201, 202, 203 Geology and a chemistry sequence; or GS104, 105, 106 Physical Science for EOOSC)*	4-5	4-5	4-5
PE electives* (Health class for EOOSC)	1	1	

Philosophy or Religion elective (Philosophy required at EOOSC)		3	
Social Science elective (PSY237 Growth and Development for WOSC; HST257, 258, or 259 Introduction to Ethnic History for EOOSC)*		3	3
Electives in an academic specialty and/or support area for WOSC or 2 minor areas for EOOSC. Academic specialty and support area requirements are outlined in WOSC catalog.	0-3	3-6	3-6

*To meet four-year college general education requirements.

Secondary Education

(college transfer)

Oregon state colleges and universities offering secondary education programs are Eastern Oregon State College and Western Oregon State College, which offer Bachelor of Science and Bachelor of Arts degrees in secondary education, and Eastern Oregon State College, Oregon State University, Portland State University, Southern Oregon State College, and University of Oregon, which offer a fifth-year secondary education program. UO programs are limited to music, foreign language, and special education.

Admission to fifth-year education programs requires completion of a baccalaureate degree in the subject you plan to teach at a junior or senior high school. The secondary education program is at the graduate level. Admission to these programs requires maintaining a specific grade point average (GPA), usually 2.75 to 3.00, and successfully passing the California Basic Educational Skills Test (CBEST) or the National Teacher Examination (NTE) in your major subject area and the General Knowledge and Communication Skills exams of the NTE.

Admission to the four-year education program at WOSC requires maintaining a 2.75 GPA and passing the CBEST.

You should enroll in courses that meet the general education requirements for the school to which you plan to transfer, as well as courses that meet the requirements for the major subject in which you plan to teach.

As a student, you are responsible for learning the program requirements of the school to which you plan to transfer. Consult with our Advising and Counseling Center or a Chemeketa advisor. You should also make early contact with an advisor at the institution to which you plan to transfer to learn of any possible changes in a program.

Refer to the Oregon Associate of Arts Transfer Degree information in the Degrees, Diplomas, Certificates, and Transfer Information section of this catalog beginning on Page 27.



Electronics Technologies

Career opportunities in the electronics field are diverse, exciting, and rewarding. Chemeketa's electronics department offers three programs of study to meet the present and future challenges of the electronics industry: Electronics Engineering Technician, Computer Electronics, and Industrial Electronics.

If you wish to enhance your academic skills, the electronics department also offers a wide range of preparatory courses every term including summer. For more information contact the Advising and Counseling Center in Building 2 on the Salem campus at 399-5120, or the electronics program chair, Gary Boyington, at 399-5218.

You may be interested in our Cooperative Work Experience program, which allows you to earn college credit for work you do related to your program. You will need the program chair's approval before you may enroll in ELT280 Cooperative Work Experience. For more information, look under Cooperative Work Experience in the catalog index or contact Bruce Bothwell at 399-6506.

The program has been designed to be completed in two years, if you attend full time. However, there are entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, please meet with the program chair.

For information on evening electrical and electronic courses, contact Frank Knight at 399-5046. For tours of the electronics laboratory or career information, contact program chair Gary Boyington at 399-5218.

Computer Electronics Option

Graduates of this option begin careers with companies that manufacture, install, or maintain computers or computer-like equipment. This equipment includes, but is not limited to, mainframe computers, mini and microcomputers, automated office equipment and systems (word processors, point-of-purchase terminals, local area and wide area networks), computer peripherals, engineering work stations, other automated factory products, and data communication networks.

The training includes both specific technical skills needed in the field and broader skills in communications and human relations which are necessary for career success. You'll have hands-on practice working with computer hardware and software. Classes emphasize both component- and system-level troubleshooting as well as installation and maintenance of equipment and networks.

As a graduate of this option, you may also choose to transfer to a school such as Oregon Institute of Technology to complete the course work required for a bachelor's degree in industrial management. If you wish to transfer, declare your intent before the first term and work closely with the electronics advisor, Gary Boyington, at 399-5218, and the institution to which you plan to transfer.

Students entering this option must have an MS/DOS-compatible computer (386 or better) and be "computer literate." Computer literate means to have skills similar to those covered in CS101 Introduction to Microcomputer Applications, or equivalent high school or life experience.

In addition to tuition, estimated costs for students who complete the entire program are books, \$1,164; class fee, \$290; equipment and supplies, \$877; MS/DOS-compatible computer (386 or better), \$900. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn an Associate of Applied Science degree by successfully completing these required 107 credit hours:

Course	Title	Credit Hours
Term 1		
COM051	Communication Skills I	3
	or	
WR121	English Composition-Exposition	3
ELE050	Electronic Concepts I	4
ELT058	Electronics Orientation	1
ELT061	Electronics Problems I	1
ELT094	Computer Operating Systems	3
	or	
CS140B	Microcomputer Operating Systems	3
	or	
CS240	Advanced MS/DOS and Utilities	3
ES071	Work Place Safety Skills	1
MTH081	Technical Mathematics I	4
	or	
MTH111	College Algebra	5
Term 2		
ELE051	Electronics Concepts II	4
ELT054	Transistor Fundamentals	5
ELT062	Electronics Problems II	1
ELT066	Digital Fundamentals	4
MTH082	Technical Mathematics II	4
	or	
MTH112	Trigonometry	5
Term 3		
COM053	Technical Report Writing	3
	or	
WR227	Technical Writing	3
ELE052	Electronic Concepts III	4
ELT055	Semiconductor Devices	3
ELT064	Pulse Circuits Fundamentals	3
ELT071	Linear IC Fundamentals	4
Term 4		
ELT065	Electronic Circuit Analysis	4
ELT067	Digital Circuit Applications	3
ELT091	Programming Concepts I (recommended)	4
	or	
CS133U	C Language	4
PH081	Applied Physics	4
	or	
PH201	General Physics	4
COM052	Communications Skills II	3
	or	
SP111	Fundamentals of Speech	3
	and	
FE205	Job Search Techniques	1
	or	
SP113	Fundamentals of Small Group Communication	3
	and	
FE205	Job Search Techniques	1
Term 5		
CS278	Data Communications	3
ELT068	Microcomputer Systems	5
ELT090	Computer Peripherals	4
PH082	Applied Physics	4
	or	
PH202	General Physics	4
	or	
PH203	General Physics	4
PSY246	Introduction to Industrial Psychology	3
	or	

PSY201	General Psychology	3
	or	
PSY101	Psychology of Human Relations	3
Term 6		
ELT070	Video Display Systems	5
ELT092	Programming Concepts II	4
ELT093	Advanced Data Communication	5
ELT097	Advanced Computer Architecture	4

Electronic Engineering Technician Option

Upon graduation from the Electronic Engineering Technician option, you may begin a career assisting in the design, manufacturing, installation, and service of telecommunication equipment and systems, electronic test instruments, medical measuring and monitoring equipment, computers, video systems, automation products, security and safety systems, process control systems, and flexible automation systems (robots). Training includes specific technical skills needed in the field and broader skills in communications, teamwork, and human relations which are necessary for career success.

As a graduate of this option, you may also choose to transfer to a school such as Oregon Institute of Technology to complete the course work required for a bachelor's degree in electronic engineering technology or industrial management. If you wish to transfer, declare your intent before the first term and work closely with the electronic engineering advisor, Roger White, at 399-5068, and the institution to which you plan to transfer.

In addition to tuition, estimated costs for students who complete the entire program are books, \$1,205; class fees, \$283; equipment and supplies, \$77. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn an Associate of Applied Science degree by successfully completing these required 105 credit hours:

Course	Title	Credit Hours
Term 1		
COM051	Communication Skills I	3
	or	
WR121	English Composition-Exposition	3
DRF091	Basic CAD for Electronics	2
	or	
DRF072	Introduction to AutoCAD	3
ELE050	Electronic Concepts I	4
ELT058	Electronics Orientation	1
ELT061	Electronic Problems I	1
ES071	Work Place Safety Skills	1
MTH081	Technical Mathematics I	4
	or	
MTH111	College Algebra	5
Term 2		
ELE051	Electronic Concepts II	4
ELT054	Transistor Fundamentals	5
ELT062	Electronic Problems II	1
ELT066	Digital Fundamentals	4
MTH082	Technical Mathematics II	4
	or	
MTH112	Trigonometry	5
Term 3		
COM053	Technical Report Writing	3
	or	
WR227	Technical Writing	3
ELE052	Electronic Concepts III	4
ELT055	Semiconductor Devices	3
ELT064	Pulse Circuit Fundamentals	3

ELT071	Linear IC Fundamentals	4
Term 4		
COM052	Communication Skills II.....	3
	or	
SP111	Fundamentals of Speech.....	3
	and	
FE205	Job Search Techniques	1
	or	
SP113	Fundamentals of Small Group Communication	3
	and	
FE205	Job Search Techniques	1
CS133U	C Language.....	4
	or	
ELT091	Programming Concepts I (recommended)	4
ELT067	Digital Circuit Applications	3
PH081	Applied Physics	4
	or	
PH201	General Physics	4
	or	
PH211	General Physics for Engineers and Scientists.....	5
ELT065	Electronic Circuit Analysis.....	4
Term 5		
ELT068	Microcomputer Systems	5
ELT072	Linear IC Applications	3
ELT076	Antennas and Transmission Lines.....	2
ELT077	Telecommunications.....	3
PH082	Applied Physics	4
	or	
PH202	General Physics	4
	or	
PH203	General Physics	4
	or	
PH212	General Physics for Engineers and Scientists....	5
Term 6		
ELT070	Video Display Systems	5
ELT075	Advanced Industrial Electronics	4
MTH083	Technical Mathematics III	4
	or	
MTH241	Elementary Calculus	4
	or	
MTH243	Probability and Statistics	4
	or	
MTH251	Differential Calculus	5
	or	
ELT092	Programming Concepts II	4
	or	
CS233U	Advanced C	4
PSY246	Introduction to Industrial Psychology.....	3
	or	
PSY201	General Psychology	3
	or	
PSY101	Psychology of Human Relations	3
	Approved electronics elective*	3

***Approved electronics electives:**

ELT074	FCC License Preparation.....	3
ELT081	Logical Troubleshooting	4
ELT090	Computer Peripherals	4
ELT093	Advanced Data Communication.....	5
ELT097	Advanced Computer Architecture.....	4
ELT280	Cooperative Work Experience (for second-year students with prior approval of the program chair)	
MTH252	Integral Calculus	5
PH203	General Physics	4
PH213	General Physics for Engineers and Scientists....	5

Industrial Electronics Option

Graduates of this option may begin a career assisting in the development, manufacturing, installation, and service of computer-integrated manufacturing systems, process control equipment, data acquisition equipment, electro-mechanical equipment, robots, and measurement and monitoring systems.

This option stresses mechanical and electronic systems and theories. Training includes specific technical skills needed in the field and broader skills in communications, teamwork, and human relations which are necessary for career success. You are required to participate actively every term in a professional organization, such

as the Instrument Society of America (ISA). For additional information, contact the Industrial Electronics advisor, Frank Knight, at 399-5074.

As a graduate of this option, you may also choose to transfer to a school such as Oregon Institute of Technology to complete the course work required for a bachelor's degree in industrial management. If you wish to transfer, declare your intent before the first term and work closely with the industrial electronics advisor, Roger White, at 399-5068, and the institution to which you plan to transfer.

In addition to tuition, estimated costs for students who complete the entire program are books, \$1,050; class fees, \$218; equipment and supplies, \$77. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn an Associate of Applied Science degree by successfully completing these required 100 credit hours:

Course	Title	Credit Hours
Term 1		
COM051	Communication Skills I	3
	or	
WR121	English Composition-Exposition.....	3
DRF091	Basic CAD for Electronics.....	2
	or	
DRF072	Introduction to AutoCAD.....	3
ELE050	Electronic Concepts I	4
ELT058	Electronics Orientation	1
ELT061	Electronic Problems I.....	1
ES071	Work Place Safety Skills	1
MTH081	Technical Mathematics I.....	4
	or	
MTH111	College Algebra.....	5
Term 2		
ELE051	Electronic Concepts II	4
ELT054	Transistor Fundamentals.....	5
ELT062	Electronic Problems II	1
ELT066	Digital Fundamentals	4
MTH082	Technical Mathematics II.....	4
	or	
MTH112	Trigonometry.....	5
Term 3		
COM053	Technical Report Writing	3
	or	
WR227	Technical Writing	3
ELE052	Electronic Concepts III.....	4
ELT055	Semiconductor Devices	3
ELT064	Pulse Circuit Fundamentals	3
ELT071	Linear IC Fundamentals.....	4
Term 4		
COM052	Communication Skills II	3
	or	
SP111	Fundamentals of Speech	3
	and	
FE205	Job Search Techniques.....	1
	or	
SP113	Fundamentals of Small Group Communication	3
	and	
FE205	Job Search Techniques.....	1
DRF086	Power Transmissions Design	3
ELT067	Digital Circuit Applications	3
ELT091	Programming Concepts I	4
	or	
CS133U	C Language.....	4
PH081	Applied Physics.....	4
	or	
PH201	General Physics.....	4
Term 5		
ELT068	Microcomputer Systems.....	5
ELT072	Linear IC Applications.....	3
MFG088	Fluid Power Systems.....	4
	or	
MFG079	Industrial Systems	3
	or	



ELT079	Introduction to Hydraulics/Pneumatics	3
PH082	Applied Physics	4
	or	
PH202	General Physics	4
	or	
PH203	General Physics	4
Term 6		
DRF087	Flexible Manufacturing Systems.....	3
ELT075	Advanced Industrial Electronics	4
ELT280	Cooperative Work Experience*	6-9
PSY246	Introduction to Industrial Psychology.....	3
	or	
PSY201	General Psychology	3
	or	
PSY101	Psychology of Human Relations	3

*You must notify the electronics Cooperative Work Experience coordinator three terms prior to taking CWE. This is necessary so that a CWE training site can be selected and reserved for you.

Emergency Medical Technology

The Emergency Medical Technology (EMT) program offers career training for entry-level personnel as well as certification and continuing education courses. Chemeketa offers a diverse, experienced EMT faculty, excellent on-campus facilities, and outstanding clinical training sites. The program is fully accredited by the Oregon Department of Education and the Oregon State Health Division.

Students successfully completing a level of training (EMT Basic, Intermediate, or Paramedic) will be eligible to sit for the state certification exam at that level.

Emergency medical technicians may be employed by ambulance companies, fire departments, police departments, and industries. There is a great demand for EMTs and paramedics both locally and nationally.

Students working toward EMT Paramedic certification will complete approximately 300 hours of hospital clinical experience, 100 hours of EMT observation, and 300 hours of field internship. Clinical experiences focus on developing the skills, attitudes, and work habits necessary for graduates to be successful in their field.

The program has been designed to be completed in two years, if you attend full time. However, there are entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, please meet with the program chair.

In addition to tuition, estimated costs for students who complete the entire program are books, \$966; class fees, \$221; equipment and supplies, \$214. Contact the Financial Aid Office to find out if you qualify for help with these costs.

You may earn an Associate of Applied Science degree by successfully completing these required 96 credit hours:

Course	Title	Credit Hours
Term 1		
BI231	Human Anatomy and Physiology (or higher) .	4
EMT051	Emergency Medical Technician Basic, Part 1 ...	4
EMT075	Introduction to Emergency Medical Service ...	4
MED051	Medical Terminology I	3
WR121	English Composition-Exposition (or higher) ...	3
Term 2		
BI232	Human Anatomy and Physiology (or higher) .	4
EMT052	Emergency Medical Technician Basic, Part 2 ...	4
EMT280A	Cooperative Work Experience.....	1
MTH095	Intermediate Algebra (or higher)	4
SP111	Fundamentals of Speech (or higher)	3
Term 3		
BI233	Human Anatomy and Physiology (or higher) .	4
CS101	Introduction to Microcomputer Applications (or higher)....	3
EMT070	Emergency Communication and Patient Transportation	3
HPE295	Health and Fitness for Life	3
	Social Science/humanities/fine arts elective....	3
Term 4		
AH080	Crisis Intervention.....	3
EMT069	EMT Rescue.....	3
EMT090	Emergency Medical Technician Paramedic, Part 1	8
EMT091	Emergency Medical Technician Paramedic, Part 1 Clinical	2
Term 5		
EMT092	Emergency Medical Technician Paramedic, Part 2	8
EMT093	Emergency Medical Technician Paramedic, Part 2 Clinical	3
EMT280B	Cooperative Work Experience.....	2
FRP059	Major Emergency Tactics and Strategy	3
Term 6		
EMT094	Emergency Medical Technician Paramedic, Part 3	4

EMT095	Emergency Medical Technician Paramedic, Part 3 Clinical	3
EMT280D	Cooperative Work Experience	4
	Approved elective*	3
*Approved electives (3 hours required)		
AH050	Health Care Delivery	1
BA101	Business Environment	4
BA173	Public Relations in Business	3
BA206	Business Management Principles	3
BA211	Financial Accounting I	4
BA224	Personnel Management	3
BA226	Business Law I	3
ED201	American Sign Language-Beginning I	3
EMT280C	Cooperative Work Experience	3
FRP050	Introduction to Fire Protection	3
FRP064	Hazardous Materials Operations	3
HE250	Personal Health	3
HE262	Cardiopulmonary Resuscitation Instruction	2
HE268	Pharmacodynamics in Health Care	3
HS101	Alcohol Use, Misuse, and Addiction	3
HS150	Personal Effectiveness for Human Service Workers	3
HS154	Community Resources	3
MED052	Medical Terminology II	3
MED053	Medical Terminology III	3
MED055	Medical Law and Ethics	3
MED064	Introduction to Medical Science	3
MED066	Medical Reimbursement Management	3
MS259	Death and Dying	3
MTH243	Probability and Statistics	4
PSY101	Psychology of Human Relations	3
PSY201	General Psychology	3

Engineering

(college transfer)

Oregon State University and Portland State University offer a Bachelor of Science or a Bachelor of Arts in Engineering. OSU offers degrees in Chemical, Civil, Electrical and Computer, Geological, Industrial and Manufacturing, Mechanical, Metallurgical, Mining, and Nuclear Engineering, as well as Construction Engineering Management and Engineering Physics. PSU offers degrees in Civil, Computer, Electrical, and Mechanical Engineering.

The program outlined below follows closely the pre-engineering program at OSU, and is similar to requirements of other Bachelor of Arts and Bachelor of Science degree engineering programs. If you plan to apply for admission to the professional engineering program at OSU, you must meet pre-engineering course requirements. Requirements vary by engineering field.

Students planning to transfer to PSU should consult with a PSU engineering advisor.

The two-year program outlined below is designed to meet prerequisite requirements for OSU. However, there are entry-level expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, you may consult with Chemeketa's Advising and Counseling Center or a Chemeketa advisor in your program.

As a student, you are responsible for learning the program requirements of the school to

which you plan to transfer. Consult with our Advising and Counseling Center or a Chemeketa advisor. You should also make early contact with an advisor at the institution to which you plan to transfer to learn of any possible changes in a program.

Refer to the Oregon Associate of Arts Transfer Degree information in the Degrees, Diplomas, Certificates, and Transfer Information section of this catalog beginning on Page 27.

	Term		
First Year	1	2	3
GE101 Engineering Orientation	2		
GE102 Engineering Computations		3	
GE103 Engineering Computations (not required for Electrical Engineering or CS133F FORTRAN IV (not required for Mechanical or Civil Engineering))			3-4
GE115 Graphics (not required for Electrical Engineering; CS161 Computer Science I required for Electrical Engineering)	(3-4)		
MTH251, 252 Calculus and Calculus with Analytic Geometry; MTH254 Vector Calculus I	5	5	4
CH201, 202, 203 Chemistry for Engineers (CH203 not required for Civil and Electrical Engineering)	4	4	(4)
Biological Science course*	4		
WR121 English Composition		3	
WR227 Technical Writing			3
HPE295 Health and Fitness for Life Arts and Letters/Humanities or Social Science electives*		3	3
Second Year	4	5	6
ENGR211 Statics	4		
ENGR212 Dynamics		4	
ENGR213 Strength of Materials (not required for Electrical Engineers)			(4)
ENGR201, 202 Electrical Fundamentals I & II (ENGR202 not required for Civil Engineering)	4	(4)	
ENGR203 Electric Control Fundamentals (not required for Mechanical or Civil Engineering)			(4)
MTH256 Applied Differential Equations	4		
MTH253 Series Calculus and Linear Algebra		4	
MTH255 Vector Calculus II (only required for Electrical and Computer Science Engineering)			(4)
PH211, 212, 213 General Physics for Engineers and Scientists	5	5	5
Arts and Letters/Humanities or Social Science electives or SP111 Fundamentals of Speech or SP112 Fundamentals of Persuasion (SP111 or 112 required for Chemical and Electrical Engineering; CS162 Computer Science II for Electrical Engineering)*		0-6	0-6

*To meet four-year college general education requirements.

English

(college transfer)

Oregon state colleges and universities offering Bachelor of Arts and/or Bachelor of Science degrees in English are Eastern Oregon State College, Oregon State University, Portland State University, Southern Oregon State College, University of Oregon, and Western Oregon State College.

The two-year program outlined below is designed to meet requirements at these institutions. However, the program has entry-level

expectations for skill levels in reading, writing, and mathematics. The length of time you take to complete the program will depend on your skills in these areas. To assess the time you will need to complete the program, you may consult with Chemeketa's Advising and Counseling Center or a Chemeketa advisor in your program.

As a student, you are responsible for learning the program requirements of the school to which you plan to transfer. Consult with our Advising and Counseling Center or a Chemeketa advisor. You should also make early contact with an advisor at the institution to which you plan to transfer to learn of any possible changes in a program.

Refer to the Oregon Associate of Arts Transfer Degree information in the Degrees, Diplomas, Certificates, and Transfer Information section of this catalog beginning on Page 27.

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	Term		
First Year	1	2	3
WR121, 122, 123 English Composition (Chemeketa recommends taking all courses although some colleges do not require both WR122 and 123)	3	3	3
Literature sequence (courses in English and American Literature for EOSC; choose two sequences from ENG107, 108, 109 World Literature, ENG204, 205, 206 Introduction to English Literature, or ENG253, 254, 255 Introduction to American Literature for OSU; PSU recommends ENG204, 205, 206; SOSC requires two courses from ENG104, 105, 106 Introduction to Literature, or ENG107, 108, 109, or ENG201, 202, 203 Introduction to Shakespeare; choose one sequence from ENG107, 108, 109, ENG204, 205, 206, ENG253, 254, 255 for UO)	3	3	3
First-year Foreign Language (required at EOSC, OSU, PSU, and UO; required for B.A. degree at SOSC and WOSC but not for B.S. degree)	4	4	4
Social Science courses (EOSC recommends history)	3	3	3
Science or Math*	4	4	4
Second Year	4	5	6
ENG201, 202, 203 Introduction to Shakespeare (required for UO [may substitute 3 hours of additional literature from list in first year for 3 of the 9 hours of Shakespeare at UO]; EOSC requires ENG201; OSU requires any one course; PSU does not require any)	3	3	3
Second-year Foreign Language sequence (required at EOSC, OSU, PSU, and UO) or electives	4	4	4
Arts and Letters/Humanities electives* (See WOSC catalog for approved electives)	3	3	3
HPE295 Health and Fitness for Life* or elective			3
Additional Social Science or Math/Science courses*	3-4	3-4	3-4
Additional Literature courses to meet major requirements or electives (WR241, 242, or 243 for EOSC)	3	3	

*To meet four-year college general education requirements.

Entomology

see Biology

Farm Business Management

The Farm Business Management program assists farm operators with the financial aspects of farm management. You and your business partner may enroll in the program if you operate, lease, or manage a farm and have access to its financial records.

Instructors visit your farm and hold monthly class sessions on basic farm records and provide you with annual computer analyses and cost production summaries. They show you how to use analysis information for improving the management and organization of your farm.

Tuition covers instruction, record book, farm visits, and a year-end computer farm business analysis. For information, call 399-5052 or the Chemeketa McMinnville Center, 472-9482.

The program includes the following:

9801 Farm Management I

Includes a survey of business principles, farm management skills, farm goals, and the use of farm records for the preparation of net worth statements, inventories and depreciation, farm income and expense budgeting, cash flow projections, credit planning, tax management, development of profit and loss statements, and closing of account books for analysis.

9802 Farm Management II

Covers monitoring business goals and cash flow, interpreting and analyzing farm records, measuring efficiency and business size, and determining crop, livestock, and labor costs and returns. Also discusses regulations affecting payroll, capital costs, and returns and the legal aspects of farm management contracts, rental agreements, and liabilities. Explores the use of computerized farm records for managing taxes, preparing profit and loss statements, and closing accounts for analysis, as well as the processes of decision making.

9803 Farm Management III

Includes evaluating the farm business, net worth, credit planning and budgeting, and optimum production levels; studying income possibilities; developing crop and livestock plans; planning investments in building and equipment; and purchasing or leasing land. Begins consideration of wills and estate planning, farm business organization (proprietorship vs. partnership vs. corporations), use of futures, hedging, future contracting or marketing

