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SOUTHWESTERN OREGON COMMUNITY COLLEGE 2017-2018

Welcome to Southwestern Oregon Community College

To all of our students and members of our communities:

Welcome to Southwestern!

At Southwestern Oregon Community College, we are extremely happy that Southwestern is your choice for education. We value the trust you've put in us.

College challenges people to improve their lives and that's what our faculty and staff strive to do every single day on our Coos and Curry campuses. We make sure no matter what your goals are, you are successful and you continue to learn throughout your life.

Our College is growing and improving for the future. Over the next year, you'll see exciting developments on our Coos Campus as we move forward with plans to build a new Health & Science Technology Building.

What does your future hold? A degree, a certificate of completion or a transfer to a four-year university? Is it your desire to advance in your current job or learn skills to start a new career? Southwestern has the faculty and staff to guide you to your destination. All of us at Southwestern are eager to help you attain your goals! Take advantage of our fantastic, student-centered services (p. 291) which offer every student an array of support.

Our graduates experience much success in the workforce as nurses, chefs, welders, lawyers, teachers, parents and in every occupation imaginable. We look forward to hearing about your success in years to come. Upon graduation, you become a member of Southwestern's Alumni Association (<https://www.socc.edu/alumni>) and are encouraged to participate in the activities to remain a part of the Laker Family!

Patty M. Scott, Ed.D.
President

Southwestern History

Southwestern Oregon Community College is located within two miles of the Pacific Ocean in an area of scenic beauty and mild climate.

The 153-acre institution lies completely within the city of Coos Bay and is bordered on the north and east by the city of North Bend.

The College was formed in a tax district election in May 1961. It included Coos and western Douglas counties. On July 1, 1995, Curry County joined the college district. The district now encompasses 3,648 square miles with a population of more than 92,000. The College is the only public, post-secondary institution in the region.

Enrollment has grown from 266 students in 1961 to nearly 14,500 students annually. Staff has grown from 15 to more than 55 full-time faculty and from 11 to over 275 part-time instructors. Cultural and

athletic events at the College attract over 20,000 men, women, and children each year.

During the early years, Southwestern held classes in surplus U.S. Naval facilities and in Coos Bay and North Bend school district buildings. Today's main campus is located on the shore of Upper Empire Lake in a natural tract of coastal pine.

Permanent campus construction began in 1963. A majority of the campus was built between 1965 and 1969. A second phase of construction, which began in 1979, provided new and remodeled shops and laboratories, and expanded facilities for several programs. The expansion included a student center with a cafeteria, student activity space, student government offices, and meeting rooms for school and community activities.

The College entered a new building phase in 1994 with the construction of a new student services and general classroom building. This was followed immediately by a comprehensive Student First Stop Center, a Family Center, student housing, a new baseball field, an indoor athletic practice facility and a state-of-the-art performing arts and conference center.

The residents of Curry County voted to annex themselves to the district in 1995; the college area nearly doubled in size, extending to the California border. A full range of college services are now offered in Curry County.

As a partner in the South Coast's economic development, Southwestern offers students and industrial partners education that meets their needs. Whether students enroll for a short course, a two-year transfer, or a two-year associate's degree, they are preparing for a rewarding future.

Southwestern Mission Statement and Accreditation

Mission Statement

Southwestern Oregon Community College supports student achievement by providing access to lifelong learning and community engagement in a sustainable manner.

(Adopted November 19, 2012)

Core Themes & Values

- Learning & Achievement
- Access
- Community Engagement
- Sustainability

(Revised February 25, 2015)

Vision Statement

Southwestern leads and inspires lifelong learning.

(Adopted June 26, 2006)

Accreditation

Southwestern Oregon Community College is accredited by the Northwest Commission on Colleges and Universities (<http://www.nwccu.org>) (NWCCU).

Accreditation of an institution of higher education by the NWCCU indicates that it meets or exceeds criteria for the assessment of institutional quality evaluated through a peer review process. An

accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future.

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

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

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

The Northwest Commission on Colleges and Universities officially reaffirmed (https://mylakerlink.socc.edu/ICS/icsfs/2013_Reaffirmation_Letter.pdf?target=2681bbb3-96c6-4b8d-86f8-d038c343f271) Southwestern Oregon Community College's accreditation on July 22, 2013, following a peer evaluation of the 2013 Year One Report. A year three review was recently completed in the form of a Mid-Cycle Evaluation (MCE) report and a site visit in April 2015. The Mid-Cycle report included two parts. For Part I, Southwestern responded to recommendations as related to **Standard 1 - Mission, Core Themes, and Expectations**. Informed and guided by **Standards 1 and 3-5**. For Part II, representative examples of how Southwestern has operationalized its mission and core themes, progressing from objectives to indicators to outcomes were provided. Results of this most recent visit are currently in process.

Copies of the College's accreditation, self-study reports, approvals, and certifications are available for review by contacting the Accreditation Liaison Officer or requesting to review copies of reports which have been made available at the Library (not all reports are available at the Library at this time), located in Tioga Hall. NWCCU accreditation status is granted as an institution; any program specialized accreditation or approvals are granted by other agencies.

Southwestern Program Accreditation Oregon Coast Culinary Institute (OCCI) Culinary and Baking & Pastry Programs Accreditation

The Culinary Arts and the Baking & Pastry Programs were granted accreditation by the American Culinary Federation (<https://www.acfchefs.org>) (ACF). This accreditation is the highest level available for initial accreditation by the ACF – the premier professional chefs' organization in North America, focusing its efforts on offering education, apprenticeship and industry certification. With the accreditation, OCCI's graduates will automatically gain the title of certified culinarian upon graduation, along with their associate's degrees.

Nursing Program Accreditation

The Oregon State Board of Nursing (<https://www.oregon.gov/OSBN/pages>) (OSBN) is the state agency responsible for overseeing the standards for approval of nursing programs in Oregon. Southwestern is

an approved program having submitted the required self-study in Fall 2006. The OSBN website provides the following information:

The Oregon State Board of Nursing monitors continuing compliance with the Standards for Approval. The standards address faculty approval, curriculum approval, and student standards and records as well as several other program specific approvals.

Paramedicine Program Accreditation

The State of Oregon Office of Workforce Development (https://www.oregon.gov/ccwd/Pages/about_us.aspx), in partnership with the State's Emergency Medical Services Office, reviews programs every five years for each college offering Emergency Medical Services (EMS) training. The program approval encompasses all aspects of a training program, including administrative support, curriculum, facilities, funding, instructor credentials, and program management.

Southwestern began offering the two-year paramedic degree in fall 2008. The first on-site visit for program approval took place on May 28 and 29, 2009. To date, the program continues to meet program accreditation expectations.

Medical Assistant Program Accreditation

The Medical Assistant program is accredited by the Accrediting Bureau of Health Education Schools (ABHES). The program was granted programmatic accreditation in 2016. ABHES is recognized by the U.S. Department of Education as an accreditor of private, postsecondary institutions in the United States offering predominantly allied health education programs leading to a certificate, diploma, Associate of Applied Science, Associate of Occupational Science, academic associate degree and/or baccalaureate degree including those offered via distance education.

Childhood Education and Family Studies Program Accreditation

Both the Associate of Science with an emphasis in Childhood Education and Family Studies and our Associate in Applied Science in Childhood Education and Family Studies are now accredited through the National Association for the Education of Young Children (<https://www.naeyc.org>) Early Childhood Associate Degree Accreditation (NAEYC ECADA) organization.

Public Notice of Non-Discrimination

Southwestern Oregon Community College Board of Education Notice of Non-Discrimination

Students, their families, employees and potential employees of the Southwestern Oregon Community College District are hereby notified that Southwestern Oregon Community College does not discriminate on the basis of race, color, gender, sexual orientation, marital status, religion, national origin, age, disability status, gender identity or protected veterans in employment, education, or activities as set forth in compliance with federal and state statutes and regulations.

Any person having inquiries concerning Southwestern's compliance with Titles II and IV of the Americans with Disabilities Act of 1990, Titles VI and VII of the Civil Rights Act of 1964, Title IX of the US Education Amendments of 1972 - Public Law 92-318, or Section 504 of the Rehabilitation Act of 1973 may contact:

Jeff Whitey, Vice President of Administrative Services
Southwestern Oregon Community College

1988 Newmark Ave.
Tioga Hall, Rm 511
Coos Bay, OR 97420
541-888-7402

Southwestern Oregon Community College offers the following career and technical education programs for all students regardless of race, color, gender, sexual orientation, marital status, religion, national origin, age, disability status, gender identity, or protected veteran status, including those with limited English proficiency: Business, Office Technology, Computer Technology, Childhood Education, Criminal Justice, Culinary, Fire Sciences, Health Sciences, and Welding.

Persons seeking further information concerning the vocational education offerings and specific prerequisite criteria should contact:

Dr. Ali Mageehon, Vice President of Instruction
Southwestern Oregon Community College
1988 Newmark Ave.
Tioga Hall, Rm 506
Coos Bay, OR 97420
541-888-7417

While every effort is made to ensure the accuracy of the information in this catalog, Southwestern Oregon Community College has the right to make changes at any time without prior notice. This catalog is not a contract between Southwestern Oregon Community College and current or prospective students. Some policies and procedures are subject to change. See quarterly Schedule of Courses for details.

Equal Opportunity

Southwestern Oregon Community College does not discriminate on the basis of race, color, gender, sexual orientation, marital status, religion, national origin, age, disability status, gender identity, or protected veterans in employment, education, or activities as set forth in compliance with federal and state statutes and regulations

Southwestern Oregon Community College Contact Numbers

1988 Newmark Ave.
Coos Bay, OR 97420
www.socc.edu

Southwestern Main Campus	541-888-2525 or 800-962-2838
Administrative Services	541-888-7206
Admissions	541-888-7636
Athletic Department	541-888-7452
Community Education	541-888-7328
Curry Campus - Brookings	541-813-1667
Curry - Gold Beach Center	541-247-2741
Curry - Port Orford Office (by appointment)	541-247-2741
Deans' Office	541-888-7369
Educational Support Programs and Services (Counseling, Testing and Advising)	541-888-7405
Financial Aid Office	541-888-7337
Federal Work Study/General Student Employment	541-888-7411

Federal Student Aid	800-433-3243
International Student Program	541-888-7185
Office of Instruction	541-888-7424
Oregon Student Assistance Commission	800-452-8807
President's Office	541-888-7400
Student First Stop (Registration, Student Records, Transcripts, Cashier, Student Accounts Receivable and Financial Aid Assistance)	541-888-7352
Student Housing	541-888-7635
Student Support Services	541-888-7419

HOW TO ENROLL

Southwestern has an open-door admission policy and welcomes students who wish to obtain a quality education. In general, students may enroll in classes if they meet any one of the following requirements and have the ability to benefit from instruction:

- Are 18 years of age or older;
- Have graduated from an accredited high school;
- Have completed a General Education Development (GED) certificate or an Adult High School Diploma; or
- Were home schooled and have met state requirements for high school equivalency/ completion.

Students in need of assistance with any part of this process are encouraged to contact the Admissions Office (<https://www.socc.edu/admissions>) staff, Dellwood Hall, Rm 4, 541-888-7636 or 800-962-2838, ext.7636, to schedule an appointment.

Si usted necesita mas ayuda, por favor, llame a Educational Support Programs and Services (<https://www.socc.edu/esps>) al teléfono 541-888-7408 or 541-888-7407.

The College Now (<https://www.socc.edu/highschool>) program provides high school students the opportunity to earn college credits while fulfilling high school graduation requirements. **Students under the age of 18 who have not graduated from high school or earned a GED** must fill out the "Underage Student Agreement" or "High School Partnership" form. Forms and information found at the bottom of the College Now (<https://www.socc.edu/highschool>) webpage.

Steps to Become a Laker

APPLY –

- Visit Southwestern's Admissions webpage (<https://mylakerlink.socc.edu/ICS/Admissions>) to submit the application, and the \$40 fee **electronically**.
- For assistance contact either Student First Stop Center (<https://www.socc.edu/firststop>) location.

SECURE FINANCING –

- Apply for federal and state aid at fafsa.ed.gov (<https://fafsa.ed.gov>).
- Check your email linked to the FAFSA for supporting documents necessary for disbursement.
- Send outside funding information (scholarships, agency support, etc.) to Coos or Curry Student First Stop Center (<https://www.socc.edu/firststop>) location.
- Veterans should contact the Veteran's Clerk at 541-888-7236 or visit the website at [socc.edu/financialaid/contacts](https://www.socc.edu/financialaid/contacts).

COMPLETE THE PLACEMENT PROCESS -

The purpose of the placement process is to determine student's entry-level in math, reading and writing. Multiple components are considered to place students initially into college courses.

- High school completion date and courses completed in high school
- High school overall GPA and/or content area grades
- Standardized test results (those the student has already completed) such as ACT, SAT, Smarter Balanced, to name a few. Applicants who have ACT/SAT scores should submit them to the Admissions Office in Dellwood Hall, Rm 4.

- Courses transferred from other colleges and universities. Send all transcripts to Transcript Evaluator, 1988 Newmark Avenue, Coos Bay, OR 97420.
- Placement testing, if required, is offered at all Southwestern sites.
 - Coos campus students should see an intake advisor in the Educational Support Programs and Services (<https://www.socc.edu/esps>) (ESPS) Office located in Stensland Hall between 8:30 a.m. - 4:00 p.m., Monday through Friday.
 - Intake advisors are available at the Curry Campus (Brookings site) between 9:00 a.m. - 4:00 p.m., Monday through Friday.
 - Intake advising at the Gold Beach Center or the Port Orford office is by appointment. Contact the Curry Student First Stop Center (<https://www.socc.edu/firststop>) at 541-813-1667 for more information.

TRANSFER STUDENTS - Submit your official grade transcripts to:

Southwestern Oregon Community College
C/O Transcript Evaluator
1988 Newmark Ave.
Coos Bay, OR 97420

NEW STUDENT ORIENTATION – Requires a Southwestern ID number

- Complete the online New Student Orientation (<https://www.onlineorientation.net/socc/520>).
- Get to know your student portal (mylakerlink.socc.edu) as well as your ID number and student email.
- Contact the Student First Stop Center (<https://www.socc.edu/firststop>) if you need assistance with an ID number.

SECURE HOUSING –

- First time out-of-district freshmen attending Coos Campus are required to live in student housing.
- Apply for housing (<https://www.socc.edu/housing>) online or call 541-888-7635.

MEET WITH AN ADVISOR –

- Visit or call Educational Support Programs & Services (<https://www.socc.edu/esps>) (ESPS) to make an initial advising appointment, Stensland Hall on Coos Campus at 541-888-7405 or our Curry location at 541-813-1669.
- Discuss your major, placement information, and prospective classes with an advisor.

REGISTER VIA MYLAKERLINK –

- Log on to myLakerLink (<https://mylakerlink.socc.edu/ics>), complete the Personal Info Update Form, if necessary, and add classes.
- For assistance contact the Student First Stop Center (<https://www.socc.edu/firststop>) or email firststop@socc.edu.

TEXTBOOKS –

- Visit the Southwestern Bookstore in Dellwood Hall or bookstore.socc.edu to purchase books and supplies.
- Call the Coos location at 541-888-7264 or the Curry location at 541-888-1667 with questions.

FOLLOW-UP –

- Follow-up on the steps above by using the student portal (<https://mylakerlink.socc.edu/ics>).

- If you need any help contact the Student First Stop Center (<https://www.socc.edu/firststop>) at Coos: 541-888-7352 or Curry: 541-813-1667.
- *Si usted necesita mas ayuda, por favor, llame a Educational Support Programs and Services (<https://www.socc.edu/esps>) (ESPS) al teléfono 541-888-7408 or 541-888-7407.*

Academic Calendar

To view the Academic Calendar (<https://www.socc.edu/academics/calendar>)

To find:

- Registration Deadlines
- Add/Drop Dates
- Financial Aid Dates
- Final Exam Weeks
- And More!

Academic Information

These procedures govern registration and student records

Administrative Withdrawal of Students

In order to assure that all available class seats are filled with students - both registered students and students from the waitlist - Southwestern enforces an attendance policy.

Instructors **may** administratively withdraw students from classes if the students do not attend 100% of class sessions and associated labs during the first week of each term. Additionally, all instructors may administratively withdraw students from sub-term classes (those which do not span the entire term) if students do not attend the first class session. Students who are unable to attend the first class meeting must contact the instructor by phone, e-mail or in person prior to the first class meeting if they wish to avoid an administrative withdrawal. Southwestern Oregon Community College is not responsible for liabilities associated with the administrative withdrawal of students. Ultimately, students are responsible for dropping courses within the drop period to avoid being charged for the class or receiving a failing grade.

Any student whose behavior disrupts the educational process of a course can be administratively withdrawn from that course. It is the procedure of Southwestern Oregon Community College that an individual will be subject to involuntary administrative withdrawal from campus and related instruction if it is determined, by clear and convincing evidence, that the individual is suffering from a physical, emotional and/or behavioral disorder and as a result of the disorder engages or threatens to engage in behavior which:

- Poses a danger of causing physical harm to self or others;
- Could cause property damage; or
- Could directly and substantially impede the educational process and/or the lawful activities of others.

The College reserves the right to request, with good cause, a physical, psychological or psychiatric examination of a student any time the examinations may be in the best interest of the College and/or the student. The College shall pay for the examinations.

Add/Drops

Students must receive Course Authorization via myLakerLink (<https://mylakerlink.socc.edu/ics>) from their instructors to add courses after the first Wednesday of the term. Students may withdraw from a course or from the College through the end of the second Wednesday, 5:00 p.m., of the term or within the course's refund period without responsibility for a grade. Dropping after the refund period will result in "W" grades on transcripts. Students may drop until the Wednesday before finals week. Students are strongly encouraged to consult the instructor before dropping to ascertain their status in the course.

Auditing Courses

Students who are interested in taking a class, but do not need the credit may choose to audit credit classes and pay only 50% of the regular tuition. Students auditing classes participate fully in the class, but are not required to take tests and do not receive grades. To qualify for the audit discount, registration is required within the refund period. Fees and registration procedures are the same as when the students take the class for credit.

**Financial aid may be impacted by auditing a course; please check with the Financial Aid Office for details.*

*Community members wishing to experience a college course or training should contact the Community Education (<https://www.socc.edu/communityed>) Office.

Change of Major or Specialization

To change a major or specialization, students must complete the Change of Major form and return it to the Educational Support Programs & Services (<https://www.socc.edu/esps>) (ESPS) Office or to an advisor in Curry. Changes to majors made by the second Wednesday of the term will apply to the current term. Changes made thereafter will apply to the following term. For graduation and class scheduling purposes, students need to use the catalog year in which they declare their major. Because changing majors may have an impact on financial aid eligibility, students are encouraged to consult with their academic advisor before making any changes.

Course Prerequisites

A course that must be completed prior to another course is a prerequisite. Many courses have prerequisites that can only be waived with instructor consent. Instructors waive prerequisites with a Course Authorization via myLakerLink (<https://mylakerlink.socc.edu/ICS>). Students may be withdrawn from courses if they have not completed the prerequisites from the prior term. Students may request that the prerequisites be waived if they have the knowledge and skills to succeed in the courses. Online students contact Educational Support Programs and Services (<https://www.socc.edu/esps>) (ESPS) at 541-888-7405 or 800-962-2838, ext. 7405 for assistance.

Instructor Consent

Students planning to register for a course that requires instructor consent must be cleared by the instructor with a Course Authorization via myLakerLink (<https://mylakerlink.socc.edu/ICS>), or by submitting a completed and signed add/drop slip.

Waitlisted Courses

When students register for courses that are full, they are placed on waitlists. Students in waitlisted courses will be notified through their college email when seats are available and they have permission to register via myLakerLink (<https://mylakerlink.socc.edu/ICS>) or at a Student First Stop Center (<https://www.socc.edu/firststop>). The waitlist ends the Thursday prior to the first week of classes. After the waitlist period ends, students may register in the waitlisted courses with instructor consent.

Student Records Procedure

The Student First Stop Centers (<https://www.socc.edu/firststop>) maintain all official academic records of students including Applications for Admission, transcripts, registration forms, and transfer credit and degree evaluations. The Financial Aid Office (<https://www.socc.edu/financialaid>) maintains all records of student aid and scholarship records.

FERPA: The Family Education Rights and Privacy Act (<https://www.socc.edu/ferpa>) (FERPA or Buckley amendment) and Oregon Administrative Rules (OARs) protect the confidentiality of student records and student access to those records. Under the provisions of the FERPA and OARs, the educational institution must designate the information it will release without the written consent of the student as directory information, and protect the confidentiality of all other student

records. By being FERPA compliant the College in turn maintains Gramm-Leach-Bliley (GLB) compliance.

It is the intent of Southwestern to designate the following data as directory information: student's full name; the fact that the student is or has been enrolled in the College; local and permanent addresses and telephone number(s); e-mail address; date and place of birth; participation in officially recognized activities and sports; weight and height of members of athletic teams; dates of attendance; class level; major field of study; number of credit hours (not grades or GPA); degrees and awards received; the most recent educational institution attended by the student; job title(s) and dates of employment for student employees who have been or are paid from college administered funds.

Students may prohibit the release of any or all of this directory information by filling out the Restrict or Release form at either Student First Stop (<https://www.socc.edu/firststop>) Center. Requests to withhold this information will remain in effect until the Student First Stop Center receives written instructions from the student to remove the hold.

Directory information and other personally identifiable information may be released to college officials who have a legitimate educational interest, or to comply with a judicial order or lawfully issued subpoena. The President of the College may release personally identifiable student information to appropriate persons in connection with an emergency if knowledge of such information is necessary to protect the health or safety of persons and/or safety of property.

Students have the right, by pre-scheduled appointment with the Registrar, to access their educational records as defined in OAR 582-41-410, as well as to challenge the correctness of those records, to request amendment of those records and, in case of dispute, to obtain a hearing (OAR 581-41-450). Students may not request a hearing under this policy to challenge a grade, only the accuracy of its recording. Students who wish to inspect their records must schedule an appointment with the College Registrar. If students request a copy of any document in the records, a copy charge will be assessed. This does not include transcripts, which can be obtained from either Student First Stop Center. Students may forfeit the right to receive an official transcript if they have an outstanding balance with the College, or have been notified that their transcript may be withheld.

Records Disclosure

OAR 581-41-460 authorizes Southwestern Oregon Community College to ask you to provide your social security number. The College will use your number for reporting, research, and record keeping. Your number will also be provided by the College to the Oregon Community College Unified Reporting System (OCCURS). All students are assigned a student identification number separate from their social security number. OCCURS is a group made up of all community colleges in Oregon, the State's Department of Community Colleges and Workforce Development 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 to support the progress of students and their success in the workplace and other education programs.

OCCURS or the College may provide your social security number to agencies or match it with records from the following systems:

- State and private universities, colleges, and vocational schools to find out how many community college students further their education

and also to find out whether community college courses are a good basis for further education.

- The Oregon Employment Department, which gathers information, including employment and earnings, to help state and local agencies plan education and training services to help Oregon citizens obtain the best jobs available.
- The Oregon Department of Education provides reports to local, state, and federal governments. The information is used to learn about education, training, and job market trends for planning, research, and program improvement. Funding for community colleges is based on this information.
- The Oregon Department of Revenue and collection agencies only for purposes of processing debts and only if credit is extended to you by the College.
- Where applicable (i.e., at colleges which use the ASSET/Compass placement test): The American College Testing Service, if you take the placement test, for educational research purposes.
- The Internal Revenue Service, which is required to be reported for tax credit eligibility determination.

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

OAR (Reglamento Administrativo de Oregon) 581.41.460 autoriza al colegio comunitario Southwestern Oregon Community College que solicite su numero social. El numero sera utilizado por el colegio para la preparacion de reportes, agregados, investigaciones, y para guardar su expediente academico. Ademas, su numero le sera proporcionado por el colegio al Sistema de Reportaje Unificado de Colegios en Oregon (OCCURS), un grupo conformado por todos los colegios comunitarios en Oregon, el Departamento de los Colegios Comunitarios y De desarrollo de Trabajadores y a la Asociacion de Colegios Comunitarios de Oregon. OCCURS recaba informacion sobre los estudiantes y programas para cumplir con los requisitos de reportes federales y estatales. Tambien ayuda a la los colegios en su planificacion, investigacion, y para el desarrollo de programas. Esta informacion ayuda a los colegios a mantener el progreso de los estudiantes y sus exitos en el lugar de trabajo y en otros programas de educacion.

OCCURS o el colegio se pueden proporcionar su numero social a las siguientes agencias o conseguirlo o igualarlo con los archivos de los siguientes sistemas: oLos colegios estatales, universidades privadas, colegios, y colegios vocacionales, para averiguar cuantos estudiantes que asistieron a los colegios comunitarios continuaron con su educacion y para averiguar si los cursos son una buena base para la educacion adicional.

- *El Departamento de Empleo de Oregon, que colecciona informacion para ayudar a las agencias estatales y locales en la planificacion de los servicios educacionales y servicios de entrenamiento para ayudar a la poblacion de Oregon a conseguir los mejores trabajos posibles.*
- *El Departamento de Educacion de Oregon, para proveer reportes al gobierno estatal y federal. Esta informacion se usa para aprender sobre la educacion, el entrenamiento, y la direccion que van tomando los trabajos para planificacion, investigacion, y mejoramiento de los programas. Los fondos que los colegios comunitarios reciben es basada en esta informacion.*
- *El Departamento de Fiscal de Oregon y las agencias de coleccion con el proposito de procesar deudas y solamente si se el extiende credito a la persona por el colegio.*
- *DONDE SEA APLICABLE (por ejemplo en los colegios que usan la prueba ASSET): El Servicio de Pruebas de Colegio Americanos, si usted toma la prueba ASSET Placement Test, para el proposito de investigacion.*

- *De ustedes el numero de seguro social es requerida y se informe a la IRS (rentas internas) para determinacion de aceptablemente credito. Su numero se usara solo para los propositos enlistados arriba. Las leyes estatales y federales protejen su informacion privada. Si necesita mas ayuda, llama EPSE por telefono 541-888-7405; 800-962-2838, ext. 7405.*

Admissions

First-Time Students

Students taking 12 or more credits in a term, receiving financial aid and/or pursuing a degree or certificate are required to submit an Application for Admission. Apply online and submit the application fee online (<https://mylakerlink.socc.edu/ICS/admissions>).

Students taking fewer than 12 credits in a term, and not receiving federal student aid, or attending for personal interest only need to complete a New Student Record Form (<https://www.socc.edu/admissions>).

Once the required information is submitted, please allow three working days to receive your user ID and password by email.

Community Education (<https://www.socc.edu/communityed>): If you are interested in taking a class, but don't want to enroll for credit, you'll want to register for one of our Community Ed courses. You can apply and submit the application fee online (<https://mylakerlink.socc.edu/ICS/admissions>). You can also visit the Student First Stop Center (<https://www.socc.edu/firststop>) and one of our representatives will assist you.

International Student Admission

International students must meet federal immigration and college requirements before being admitted to Southwestern. International students who present Test of English as a Foreign Language (TOEFL) scores with a minimum score of 450 may be admitted to Southwestern. Other tests accepted are listed online (<https://mylakerlink.socc.edu/ICS/admissions>).

Students must complete the International Application for Admission (<https://www.socc.edu/admissions>) form and submit it along with TOEFL scores and a financial statement to the Coordinator of International Student Programs before the I-20 and acceptance letter are issued. Students are also required to send any international transcripts to a third party evaluator for translation.

Southwestern provides a comprehensive array of services. Aside from the special orientation process designed specifically to familiarize our international students with the College and community, we offer TOEFL preparation, personal and academic counseling, special tutoring services to help students progress in their courses, a mentor program that brings international students together with American conversation partners, and a bridge course (Writing 60: College Writing for International Students) designed to provide international students with writing practice in most disciplines. In addition, there is housing assistance, advice about immigration regulations, and activities and field trips which are periodically organized to acquaint our students with the recreational opportunities available in this scenic area. For additional information visit the International Student Program (<https://www.socc.edu/isp>) website.

Southwestern Fact

International transcripts must be mailed to a third party evaluator. A fee is charged for this service. World Education Services Inc. (<https://www.wes.org>) - ask for a "Course by Course Report." WES Inc., P.O. Box 26879, San Francisco, CA 94126, 800-414-0147.

OR

Academic Evaluation Institute Inc (<https://www.acei-global.org>). - Ask for a "Comprehensive Report." ACEI Inc., P.O. Box 6908, Beverly Hills, CA 90212, 310-275-3530.

Special Admissions Programs

There are additional admission processes for restricted-entry courses, programs, and training opportunities which require a separate application:

- Baking and Pastry or Culinary Arts (<https://www.occinet.org/admissions>): 541-888-7700
- Emergency Medical Technician/Paramedic: 541-888-7432
- Medical Assistant (https://www.socc.edu/images/nursing/MA_Application.pdf) and Medical Aide: 541-888-7443
- Nursing (<https://www.socc.edu/nursing>) and Nursing Assistant (https://www.socc.edu/images/nursing/NA_App.pdf): 541-888-7443
- Clinical Laboratory Assistant (https://www.socc.edu/images/nursing/CLA_App.pdf): 541-888-7443

For the specific application process call the numbers indicated above or the Admissions Office (<https://www.socc.edu/admissions>) in Dellwood Hall, Rm 4, 541-888-7636.

Transfer Students

Transfer students who plan to complete a degree and/or receive financial assistance must complete the application (<https://www.socc.edu/admissions/start>) process and have official transcripts sent to Southwestern. Course credits transferred from other accredited colleges or universities are evaluated in terms of equivalency to Southwestern courses and/or applicability to Southwestern programs. All credits used to calculate the cumulative Grade Point Average (GPA) are transferred; however, some of the credits may not apply to a student's Southwestern program.

Southwestern Oregon Community College does not provide students copies of transcripts from other institutions they have attended. Students must contact their prior institutions to obtain copies of their transcripts. Once received by the College, students may view the transcripts from their other institutions at any time by submitting a written request to the Student First Stop Center.

Send all official transcripts to Southwestern Oregon Community College, ATTN: Transcript Evaluator, 1988 Newmark Ave., Coos Bay, OR 97420. Coursework from accredited colleges and universities will be accepted in accordance with college policies.

Tuition and Fees

Student Consumer Information and Student Right To Know

In accordance with 34 CFR Part 668, students have the right to know certain information about Southwestern Oregon Community College including a variety of academic information, financial assistance information, institutional information, institutional security policies and crime statistics, information on completion or graduation rates, and athletic program participation rates and financial support data. To view this data go to Student Consumer Information (<https://www.socc.edu/studentlife/student-consumer-info>). This page provides links to information about Southwestern Oregon Community College in accordance with the Higher Education Act's disclosure requirements.

Tuition and Fees

Tuition and fees are subject to change. Please click here to see current Tuition & Fees. (<https://www.socc.edu/admissions/tuition>)

All courses carry a per course registration fee and a per credit incidental fee. All distance education courses carry a per course fee. These fees allow students access to campus services without additional cost such as:

- Computer labs
- Southwestern's distance learning courses
- Lab courses
- Student Recreation Center
- Student activities

Some courses are offered as self-support and carry a fee amount that is required for course delivery and materials.

All students are charged fees regardless of service utilization. The College reserves the right to change tuition and fees at any time. This does not affect the right of the College President to levy special charges at any time should conditions make this necessary. A late fee may be assessed for original registrations processed after the start of the term. Registrations received after the end of the term may be assessed a \$250 late registration fee.

Responsibility for Payment

Tuition and fees are assessed when students register. Students are ultimately responsible for enrolled courses or dropping them within the time required.

Students are responsible for payment arrangements at the time of registration. Southwestern mails reminder letters with account balances monthly. As a courtesy, account balance statements are emailed monthly. Account balances under \$500 require payment in full or students may be withdrawn if payment is not received within five days of registration. Payments may be made by cash, check, money order, VISA, MasterCard or Discover Card. Please make checks payable to Southwestern Oregon Community College or pay on myLakerLink. Tuition and fees may be billed to an employer or an agency if the College has received the appropriate authorization.

Students have the option to set up a payment plan with monthly payments. A non-refundable fee of \$32 per term is charged for the payment plans. Students who are under 18 years of age, must have

the payment plan made in the parent's or guardian's name. For payment options, please visit the Student First Stop Center (<https://www.socc.edu/firststop>) in Dellwood Hall or call 541-888-7352 or the Curry Campus at 541-813-1667.

Educational Payment Plan Options

Plan Type	Monthly Payments	Fee
Term	3	\$32
Pay in full	At time of registration	none

All delinquent debts will accrue interest at the rate of eighteen percent (18%) per annum in addition to a \$30 per billing cycle (monthly) late fee. Accounts with balances after the term begins will be set up on a payment plan, which has a \$32 per term contract preparation fee. A student who receives any form of financial aid during the loan payback period, will have the funds first applied to the balance to repay this loan. Students will pay all attorney's fees, collection costs, and any other charges necessary for the collection of any monies owed to Southwestern. Students are responsible for all financial obligations regardless of receiving a statement. There is a charge for returned checks per college procedure.

Students who do not meet their financial obligations may be subject to, but not limited to:

- Being administratively withdrawn from course(s) which shall include loss of any tuition and fees paid and the permanent loss of all credits and/or grades for the term in which the withdrawal occurs;
- Withholding a certificate, diploma, or degree; and
- Prohibiting subsequent registrations until debt is paid.

Students who have a delinquent Accounts Receivable (AR) or who are in default on payment plans, Stafford Loans, Title IV, or who have other college debts will be allowed to register once the debt is paid in full or acceptable arrangements are made with the AR Technician. Students who are continuously delinquent or whose account has been sent to a collection agency will be required to pay at the time of registration. Delinquent accounts over 90 days old from the time of registration may be sent to a collection agency.

Refunds

Students who stop attending their courses during the term must formally withdraw by either dropping their courses through myLakerLink or by submitting a drop form with the Student First Stop Center. Refunds are computed from the date of the formal withdrawal, not from the date the student stopped attending.

Refund Deadline

Course Length	Refund Deadline
5 weeks or longer	Second Wednesday of the term at 5 p.m.
1 week to less than 5 weeks	Second day of the first week
1 week or less	Day before course first meets

For courses five weeks or longer, a 100% refund is given if the formal withdrawal is completed by 5:00 p.m. of the end of the second Wednesday of the term.

For courses that are scheduled to meet more than one week and less than five weeks, a 100% refund will be given if the formal withdrawal is

completed by the end of the second day of the first week the course is scheduled to meet.

For courses that are one week or less in duration, a 100% refund will be given if the formal withdrawal is completed by the end of the day before the first meeting. This applies to courses that start on the first day of the regular term (summer, fall, winter, spring) or at some other time during the term; it is possible that a student would have to withdraw from a course before the course actually meets to receive a full refund.

Students who feel that their circumstances are extraordinary and warrant exception from this process may appeal with documentation to the Student First Stop Center by completing a Request for Refund and Exception to Procedure form. Requests must be submitted within the current term with appropriate documentation.

The refund process begins the third week of the term in which the students are enrolled. Students who receive financial aid funds will receive a refund after any funds owed to the College or the U.S. Department of Education are deducted. When the refund amount is less than \$5, students will be notified by mail to come to a Student First Stop Center to receive a cash disbursement.

Students withdrawing from courses after the refund period are responsible to pay the balance due on any federal student loans, payment plans and accounts receivable.

Financial Aid

Financial Aid

Southwestern Oregon Community College offers a number of financial aid programs in the form of grants, loans, tuition scholarships, and employment. Students interested in financial aid must apply online at fafsa.gov (<https://fafsa.gov>). Contact the Financial Aid Office (<https://www.socc.edu/financialaid>) for information. Funds are limited and students should apply early.

Term of Enrollment	Priority Deadline for Submission of Required Paperwork
Summer Term 2017-2018	March 31, 2017 - Contact our office if attending ¹
Fall Term 2017-2018	June 29, 2017 ¹
Winter Term 2017-2018	November 3, 2017 ¹
Spring Term 2017-2018	February 9, 2018 ¹

¹ Dates subject to change.

- Paperwork submitted OR postmarked after the deadline dates will be processed as quickly as possible.
- Be aware that late paperwork may not be processed before the term begins.
- Plan on at least 6 to 12 weeks processing time from the time you turn in your last piece of paperwork. During peak times, especially August through October, the wait could be up to 16 weeks.
- You will need to make payment arrangements with either Student First Stop Center if you have not received your official award letter by the payment deadline date.

Financial aid funds are disbursed by Electronic Funds Transfer (EFT) or by mail after the student accounts have been credited. Disbursement begins Friday of the third week of each term. Further disbursements are processed by each Friday, beginning the fourth week of the term. Students receiving financial aid are to have all add/drops, bookstore charges and required paperwork processed by Wednesday of the second week of the term in order to have an accurate disbursement. Students are responsible for paying all tuition and fees in excess of financial aid funding by the payment/withdrawal deadline date listed in the academic calendar (<https://www.socc.edu/academics/calendar>).

To be awarded federal student loans, or to begin working under Federal Work-Study, students need to have completed all the necessary paperwork and workshops.

Bookstore charges are available for all financial aid students who qualify starting the Monday before the term begins. For information contact one of the Student First Stop Centers (<https://www.socc.edu/firststop>) at 541-888-7352 (Coos) or 541-813-1667 (Curry).

If students are placed on Aid Suspension Status, a request/appeal needs to be submitted to the Financial Aid Office (<https://www.socc.edu/financialaid>), or alternative payment arrangements made with the Student First Stop (<https://www.socc.edu/firststop>) Center by 4:00 p.m. on the second Wednesday of the term. Students who are on Aid Suspension Status and have submitted a request/appeal should continue attending all courses pending a review by the Financial Aid Director. The second Wednesday of the term will be considered the actual date of withdrawal should a request/appeal be denied and the students choose to withdraw. This will result in a 100% refund. Students are responsible

for all bookstore charges. A refund may be available at the bookstore during the first week of the term if items are returned in the condition that they were purchased.

Consumer information (<https://www.socc.edu/studentlife/student-consumer-info>) is available at the Student First Stop Center (<https://www.socc.edu/firststop>) including policies and procedures, application processes, and disbursement information.

Financial Aid on the Web

fafsa.gov (<https://fafsa.gov>)

Southwestern's School Code: 003220

Step 1 – Fill out and submit the FAFSA with Southwestern's school code online at fafsa.gov (<https://fafsa.gov>).

You'll need the following to fill out the form:

- Social security number
- Federal income tax and W-2 forms along with any other records of money earned
- Driver's license (if any)
- Parents' income tax return (if a dependent)
- Current bank statements
- Current mortgage and investment records (if any)
- Alien registration card (if not a U.S. citizen)

Step 2 – Log into your FAFSA and review your Student Aid Report (SAR) after your FAFSA has been processed. Review it carefully. When you file electronically, your SAR should be available in two to three weeks.

Veterans Information

All Southwestern Associate of Arts, Associate of Science, and Associate of Applied Science degree programs are approved for VA benefits by the Veterans Administration. The Veterans Service Office in Dellwood Hall, Rm 19, oversees veteran students' enrollment in these programs.

Veterans Educational Benefits

Veterans Administration (VA) Mission Statement:

To assist our nation's veterans and their eligible dependents in accessing their VA education benefits, while safeguarding the G.I. Bill resources available for those educational programs. Provide consistent service, share knowledge, promote individual growth and support opportunities to access higher education.

Visit SWOCC's award-information (<https://www.socc.edu/financialaid/award-information>) page for more details.

Under 38 U.S.C. 3679(c). Veterans Access, Choice, and Accountability Act of 2014 the following individuals shall be charged a rate of tuition not to exceed the in-state rate for tuition and fees purposes:

- A Veteran using educational assistance under either Chapter 30 (Montgomery G.I. Bill – Active Duty Program) or Chapter 33 (Post-9/11 G.I. Bill), of Title 38, United States Code, who lives in Oregon while attending a school located in Oregon (regardless of his/her formal state of residence) and enrolls in the school within three years of discharge or release from a period of active duty service of 90 days or more.
- Anyone using transferred Post-9/11 G.I. Bill benefits (38 U.S.C. § 3319) who lives in Oregon while attending a school located in Oregon (regardless of his/her formal state of residence) and enrolls in the school within three years of the transferor's discharge or release from a period of active duty service of 90 days or more.
- Anyone described above while he/she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same school. The person so described must have enrolled in the school prior to the expiration of the three year period following discharge or release as described above and must be using educational benefits under either Chapter 30 or Chapter 33, of Title 38, United States Code.
- Anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9)) who lives in Oregon while attending a school located in Oregon (regardless of his/her formal state of residence).
- Anyone using transferred Post-9/11 G.I. Bill benefits (38 U.S.C. § 3319) who lives in Oregon while attending a school located in Oregon (regardless of his/her formal state of residence) and the transferor is a member of the uniformed service who is serving on active duty.
- The policy shall be read to be amended as necessary to be compliant with the requirements of 38 U.S.C. 3679(c) as amended.

Successful Enrollment at Southwestern

The following steps are provided as a guide to ensure veterans have a smooth transition into the academic life here at Southwestern.

- Fill out an online application for veterans benefits: gibill.va.gov (<http://gibill.va.gov>) and bring a printed copy to the Southwestern Oregon Community College Veterans Office along with a copy of your DD-214 (Member 4) and Disability letter (only for Chapter 31 benefits).

- Apply for admission (<https://www.socc.edu/admissions>) and pay the \$40 fee. This fee is non-refundable; however, it does cover the cost of placement processing.
- Any student receiving G.I. Bill education benefits while attending Southwestern Oregon Community College is required to obtain transcripts from military training and all previously attended schools and submit them to the school for evaluation of prior credit and shortening of the program proportionately.
- Talk with the Veteran's/Financial Aid (<https://www.socc.edu/financialaid/contacts>) staff or email (vets@socc.edu), located in Dellwood Hall, to receive all necessary applications and paperwork for processing your financial aid requests.
- Go to Educational Support Programs and Services (<https://www.socc.edu/esps>) (ESPS) located in Stensland Hall, to the Curry Campus or to the Gold Beach Center to complete the placement process and meet with a veterans counselor to schedule your classes.
- Once registered for classes, return to the Veterans Office with a printed schedule so your registration can be verified in the Veterans education database.

Satisfactory Academic Progress

Federal regulations require approved schools to have written standards of academic progress for students receiving VA educational benefits. The following are standards for the Southwestern Oregon Community College "Satisfactory Academic Policy," which is defined as maintaining a minimum 2.0 term GPA. Students who fail to meet the criteria for two quarters will go on "Aid Withheld Status" and failure to meet the criteria for three quarters will result in being placed on "Aid Suspension Status."

Aid Withheld Status

If a student has an Aid Withheld Status, students must come to the Veterans Office in person, after the fourth week of the term, to receive a Blue Book for documenting progress in current classes. Students must have instructors sign and document their current grades before returning it to the Veterans Office. If students have a 'C' or better in all classes, the student may be retroactively certified to receive benefits.

Aid Suspension Status

Students will only be retroactively certified to receive veterans education benefits after grades are released at the end of the term and have successfully passed all classes with a term GPA of 2.0 or better. Upon successfully passing three or more continuous terms, students may request to return to the standard certification process. Blue books are not applicable if students are on Aid Suspension Status.

Dropped Class Policy

Students receiving VA education benefits must assume responsibility for notifying the Veterans Office of any changes in their schedule. Students are cautioned that a reduction in credits during the term may result in a reduction of benefit payments and possible debt to the student.

Students must have the instructors' signatures on add/drop forms or instructor authorizations on myLakerLink to add courses after the first Wednesday of the term. Students may withdraw from a course or from all courses through the end of the second Wednesday of the term or within the course's refund period without responsibility for a grade. Dropping after the refund period will result in "W" grades on transcripts. Students may drop courses until the Wednesday before finals week. Students

are strongly encouraged to consult the instructor before dropping to ascertain their status in the course.

Training Time Management

Full Time – (12 or More Credits)

Three Quarter Time – (9-11 Credits)

Half Time – (6-8 Credits)

Less than Half Time – (6 Credits or Less)

Agency Billing

The College charges a fee for agencies that ask to be billed for tuition, fees, and/or Bookstore charges and to defer the receipt of payments. The fee is variable with a maximum charge of 10% of the total deferred charges. The agency fee is in accordance with Administrative Policy/ Procedure (APP) 9.028(A) - Fee Schedule. For further information call the Business Office at 541-888-7440 or 800-962-2838, ext. 7440.

Housing

Student Housing

- 541-888-7635
- Lighthouse Depot
- www.socc.edu/housing

Southwestern Oregon Community College is one of only a few community colleges in the State of Oregon to provide housing and meal plans for students. Our 18 buildings offer apartment-style accommodations and quality living/learning opportunities that are sure to be an integral part of your college experience.

All full-time students have the privilege to live in student housing. Students who are from out-of-district or from out-of-state are required to live in housing during their freshman year. Living in student housing is the best way to ensure academic success, to collaborate with other students, faculty and staff and to get the full "college experience."

Prospective residents must be 18 years of age before December 15 of the current academic year to live in housing. Visit the Housing Office (<https://www.socc.edu/housing>) for the Room and Board Agreement and the Housing Application or stop by our office in the Lighthouse Depot.

Students who are required to live in student housing may request a waiver for exception by emailing the Student Housing Office at housing@socc.edu. Pre-approved exemptions include having a dependent, being 21 years of age prior to the first day of class, being a veteran, or transferring with 45 or more quarter credits.

Student Housing Eligibility

1. All out-of-district/out-of-state first-time freshman students choosing to attend Southwestern must live in Student Housing during their freshman year unless:
 - a. You have a dependent or are married.
 - b. You are a veteran.
 - c. You are 21 years of age prior to the first day of class.
 - d. Student Housing is filled.
 - e. You have passed 45 credit hours of college courses. Credits taken during High School do not count toward this total.
 - f. You are approved to enroll in a specific 100% online degree program.
2. Students must be 18 years old before December 15 of the school year they are attending.
3. Students must be enrolled full-time to remain in Student Housing.
4. First-time freshman living in Student Housing will enroll in a designated College Success course.

Policy exceptions must be requested in writing to the Student Housing Office (<https://www.socc.edu/housing>) or via email to housing@socc.edu.

Application Process

The list below is provided to help you complete the application process. The deposit is refundable according to the "Room and Board Rates and Deadlines (<https://www.socc.edu/housing>)" policy. There is no deadline to apply, but room assignments are based on the date all materials are

received and subject to room availability. For this reason it is to your advantage to submit everything as early as possible.

1. Read the complete packet of housing information available at Student Housing Office (<https://www.socc.edu/housing>).
2. Complete the online application and pay the \$250 housing deposit at myLakerLink (<https://mylakerlink.socc.edu/ics>).
3. Submit copies of MMR Immunization records to Admissions or Student Housing.
4. Submit your Financial Aid paperwork by the deadline listed on the Financial Aid webpages (<https://www.socc.edu/financialaid>).
5. Receive an official Financial Aid award letter.
6. Make payment arrangements on any balance not covered by Financial Aid prior to arrival.
7. If you are applying for a student loan, please visit the Financial Aid webpage (<https://www.socc.edu/financialaid>) to complete the loan steps.

Room and Board Rates and Deadlines*

*For the most up-to-date room and board rate information check the Student Housing website (<https://www.socc.edu/housing>).

Move-In Day for Fall Term 2017 is Thursday, September 21.

No early check-ins will be allowed. Anyone who arrives early will be charged a \$100 per day fee.

Meal Plan Options

19 Meals per Week

15 Meals per Week

Flex Plan*

*The Flex Plan offers 88 meals for the term and \$125 in scrip money. Flex Plan participants may purchase additional scrip money in \$110 increments at the cash price of \$100. Unused scrip money only carries over from Fall to Winter and Winter to Spring terms as long as you continue on the Flex Plan. Unused meals do NOT carry from term to term. Upon completion of agreement, unused scrip meals or money will not be refunded.

There is no meal service during Thanksgiving or term breaks.

Schedule of Deposits and Charges

\$250 Housing Deposit

\$30 Social Fee (per term)

The housing deposit must be submitted with a signed Student Housing Application and Room and Board Agreement. Room assignments will only be made upon receipt of the above agreement and deposit. Deposit refunds typically require 15 days to process.

Refund Schedule

All room rate refunds are based upon the student being formally released from the agreement by the Housing Office. After the first official day of class, charges are determined on a weekly basis ending each Friday on the following schedule.¹

Move-outs during the second week: Prorated refund of room and board rate and loss of room reservation deposit.

Move-outs after second week: Charged 100% of the quarter room rate and loss of room reservation deposit.

¹ Federal Financial Aid students are subject to a different policy. Refer to the Financial Aid-Return of Title IV Funds Policy available online (<https://www.socc.edu/financialaid/policies>).

Room Reservation and Cancellation

For first-time students applying for housing, the housing deposit is refundable (less \$30 application fee) if cancelled in writing prior to the following dates: Fall term – second Friday in August; winter term – last Friday before Thanksgiving; spring term – last Friday in February. Any room reservation cancelled after these deadlines or during any term at any time (other than the scheduled cancellation period each term) will result in forfeiture of the \$250 housing deposit. This does not apply to students on the housing waiting list where no deposit is required.

Returning and Current Students

Students cancelling during the reservation period posted at the end of the fall and winter terms will forfeit \$125 of the housing deposit. The remaining deposit balance will be applied to their student accounts or refunded (a form is provided). At the end of the spring term, students' housing deposits will be applied to their student accounts or refunded unless they reserve for a future term. Students failing to indicate they are not returning to housing or Southwestern during any reservation period will forfeit the \$250 housing deposit. Students failing to indicate they are returning to housing during the reservation period could result in loss of their room.

INTEREST AREAS

- 1 Year Certificates
- Articulated Degrees
- Arts & Humanities
- Business
- Culinary & Baking
- Education
- Health Care
- Information Technology
- Public Safety
- Science & Math
- Social Sciences
- Trades & Technical

PROGRAMS A to Z

1 Year Certificates

At Southwestern Oregon Community College we understand the need and desire to offer a full compliment of short-term educational opportunities that will allow our students to enter the workforce in a short period of time. Once these certificates are completed the students can enter the employment field of their choice and may determine to further their education while working. We support these students from a scheduling perspective as well as offering a broad choice of career choice options.

Certificates are eligible for financial aid.

Major	Degree/Certificate
Accounting Clerk (p. 57)	Certificate of Completion
Baking and Pastry Arts (p. 81)	Certificate of Completion
Bookkeeping (p. 83)	Certificate of Completion
Childhood Education and Family Studies (p. 96)	Certificate of Completion
Clinical Laboratory Assistant (p. 105)	Certificate of Completion
Computer Information Systems (p. 109)	Certificate of Completion
Culinary Arts (p. 119)	Certificate of Completion
Dental Assisting (p. 123)	Certificate of Completion
Digital Design (p. 124)	Certificate of Completion
Emergency Medical Technician (EMT) (p. 128)	Certificate of Completion
Forest Technology (p. 136)	Certificate of Completion
Pharmacy Technician (p. 166)	Certificate of Completion
Welding (p. 178)	Certificate of Completion

Articulated Degrees

Southwestern Oregon Community College offers several opportunities to transfer degrees to four-year universities. The transfer degrees are articulated with the universities and our advisors are well-trained to ensure our students complete their associate's degrees with all transfer requirements completed to enter their junior year at the four-year institution of their choice.

Major	Degree/Certificate
Business (p. 84)	Associate of Science Oregon Transfer (ASOT-Bus)
Childhood Education and Family Studies (p. 98)	Associate of Applied Science
Childhood Education and Family Studies (p. 101)	Associate of Science
Computer Science (p. 110)	Associate of Science Oregon Transfer (ASOT-CS)
Criminal Justice (p. 116)	Associate of Science
Elementary Ed (p. 129)	Associate of Science
Fire Science (p. 135)	Associate of Science
Forestry (p. 137)	Associate of Science
Marine Biology (p. 143)	Associate of Arts
Natural Resources (p. 150)	Associate of Science
Nursing (p. 154)	Associate of Applied Science
AA/OT (p. 66)	Associate of Arts/Oregon Transfer
AS (p. 74)	Associate of Science
OTM (https://ecatalog.socc.edu/programsaz/oregon-transfer-module-otm)	Oregon Transfer Module

Arts & Humanities

Southwestern Oregon Community College offers several opportunities to transfer degrees to four-year universities. The transfer degrees are articulated with the universities and our advisors are well-trained to ensure our students complete their associate's degrees with all transfer requirements completed to enter their junior year at the four-year institution of their choice.

Major	Degree/Certificate
AA/OT Oregon Transfer Degree (p. 66)	Associate of Arts
Associate of General Studies (p. 71)	Associate of General Studies
CIS Digital Design (p. 90)	Associate of Applied Science
Digital Design (p. 124)	Certificate of Completion
Digital Image Foundations (p. 125)	Career Pathway Certificate of Completion
Digital Interactive Foundations (p. 126)	Career Pathway Certificate of Completion
Oregon Transfer Module (OTM) (p. 157)	

Business

There are many paths to choose from in the field of business. These career choices include pathway certificates and transfer degree options. A student could be easily employed in a business field in less than a year or choose to proceed to a four-year institution with a transfer degree.

Major	Degree/Certificate
Accounting Clerk (p. 57)	Certificate of Completion
Accounting Clerk, Entry Level (p. 58)	Career Pathway Certificate of Completion
Accounting (p. 59)	Associate of Applied Science
Administrative Assistant (p. 61)	Career Pathway Certificate of Completion
Administrative Office Professional (p. 62)	Associate of Applied Science
Bookkeeping Clerical (p. 83)	Certificate of Completion
Business (ASOT-BUS) (p. 84)	Associate of Science Oregon Transfer
Business Management/ Entrepreneurship (p. 88)	Associate of Applied Science
Clerical (p. 104)	Certificate of Completion
Marketing (p. 145)	Career Pathway Certificate of Completion
Office Specialist (p. 156)	Career Pathway Certificate of Completion
Retail Management (p. 170)	Less Than One Year Certificate of Completion
Supervision (p. 172)	Career Pathway Certificate of Completion
General Degree (p. 64)	Associate of Applied Science

Culinary & Baking

Southwestern Oregon Community College is very fortunate to be the home of the renowned Oregon Coast Culinary Institute (<https://www.occ.net>) (OCCI). A variety of certificates and degrees are offered, including two management degrees which articulate into Southern Oregon University's hospitality and tourism program. In addition, OCCI students have opportunities to hone their skills outside the classroom through culinary competitions. Students and faculty compete throughout the year, having won many awards regionally, nationally, and internationally.

Major	Degree/Certificate
Baking and Pastry Arts (p. 81)	Certificate of Completion
Baking and Pastry Arts (p. 79)	Associate of Applied Science
Baking Management (p. 77)	Associate of Applied Science
Culinary Arts (p. 119)	Certificate of Completion
Culinary Arts (p. 118)	Associate of Applied Science
Culinary Management (p. 120)	Associate of Applied Science

Education

Southwestern Oregon Community College offers several childhood education certificates and degrees to satisfy any level of training and education or path the student desires. We have infant and toddler programs all the way to elementary education. Southwestern's AS in Elementary Education articulates to Southern Oregon University's (SOU) Bachelor of Science degree, fulfilling the first two years of the SOU program.

Major	Degree/Certificate
Childhood Ed/Family Studies (p. 101)	Associate of Science Transfer Degree
Childhood Ed/Family Studies (p. 98)	Associate of Applied Science
Childhood Ed/Family Studies (50 credits) (p. 96)	Certificate of Completion
Childhood Ed/Family Studies (30 credits) (p. 95)	Career Pathway Certificate of Completion
Childhood Ed/Family Studies (18 credits) (p. 94)	Career Pathway Certificate of Completion
Elementary Ed (p. 129)	Associate of Science Transfer Degree
Infant Toddler Development (p. 142)	Career Pathway Certificate of Completion
Parenting Educator and Early Childhood Home Visitor (p. 163)	Career Pathway Certificate of Completion

Health Care

The health care industry is booming, especially here on Oregon's South Coast with many employment opportunities as clinical laboratory assistants, dental assistants, pharmacy techs, as well as clerical and nursing opportunities. Southwestern has many pathways and degrees to support your interest.

Major	Degree/Certificate
Advanced Nursing Assistant (p. 152)	Career Pathway Certificate of Completion
Basic Allied Health Care (p. 82)	Career Pathway Certificate of Completion
Basic Nursing Assistant (p. 153)	Career Pathway Certificate of Completion
Clinical Laboratory Assistant (p. 105)	Certificate of Completion
Dental Assisting (p. 123)	Certificate of Completion
Health Care Career Core (p. 140)	Career Pathway Certificate of Completion
Home Health Care Aide (p. 141)	Career Pathway Certificate of Completion
Medical Aide (p. 146)	Career Pathway Certificate of Completion
Medical Assistant (p. 147)	Associate of Applied Science
Medical Clerical (p. 149)	Certificate of Completion
Nursing (p. 154)	Associate of Applied Science
Pharmacy Technician (p. 166)	Certificate of Completion

Information Technology

Information technology jobs include some of the best jobs in America, according to CNNMoney. Southwestern Oregon Community College offers a robust selection of certificates and degrees to prepare the student for a rewarding career in information technology.

Major	Degree/Certificate
CIS Digital Design (p. 90)	Associate of Applied Science
Computer Information Systems (p. 107)	Associate of Applied Science
Computer Information Systems (p. 109)	Certificate of Completion
Database Programming (p. 122)	Career Pathway Certificate of Completion
Digital Design (p. 124)	Certificate of Completion
Digital Image Foundations (p. 125)	Career Pathway Certificate of Completion
Digital Interactive Foundations (p. 126)	Career Pathway Certificate of Completion
Geographic Information Systems (p. 139)	less than 1 Year Certificate
Programming Basics (p. 168)	Career Pathway Certificate of Completion
Programming Technician (p. 169)	Certificate of Completion
Software Support (p. 171)	Career Pathway Certificate of Completion
Support Technician (p. 173)	Career Pathway Certificate of Completion

Public Safety

The public safety sector has many opportunities in demanding fields. They include emergency medical fields, fire science and criminal justice in both performing and supervising roles.

Major	Degree/Certificate
Criminal Justice (p. 114)	Associate of Applied Science
Criminal Justice (p. 116)	Associate of Science
Emergency Medical Technician (EMT) (p. 131)	Certificate of Completion
Paramedicine (p. 161)	Associate of Applied Science
EMS Technician I (p. 127)	Career Pathway Certificate of Completion
EMS Technician II (p. 128)	Certificate of Completion
Fire Science Technology (p. 133)	Associate of Applied Science
Fire Science (p. 135)	Associate of Science

Science & Math

Southwestern Oregon Community College has a wide variety of science and math related fields. Certificates and degrees are available in the areas of forestry, natural resources, computer science, and nursing, as well as programs supporting transfer to four-year institutions.

Major	Degree/Certificate
Computer Science OR Transfer (AS-OT) (p. 110)	Associate of Science
Digital Design (p. 124)	Certificate of Completion
Emergency Medical Technician (EMT) (p. 131)	Career Pathway Certificate of Completion
EMS Technician I (p. 127)	Career Pathway Certificate of Completion
EMS Technician II (p. 128)	Certificate of Completion
Paramedicine (p. 161)	Associate of Applied Science
Field Surveying and Mapping (p. 132)	Career Pathway Certificate of Completion
Forestry (p. 137)	Associate of Science
Forest Technology (p. 136)	Certificate of Completion
Geographic Information Systems (p. 139)	Less Than One Year Certificate of Completion
Marine Biology (p. 143)	Associate of Arts
Medical Assistant (p. 147)	Associate of Applied Science
Natural Resources (p. 150)	Associate of Science
Nursing (p. 154)	Associate of Applied Science
AA/OT Oregon Transfer (p. 66)	Associate of Arts
Associate of General Studies (p. 71)	Associate General Studies
Oregon Transfer Module (p. 157)	

Social Sciences

Southwestern Oregon Community College offers several opportunities to transfer degrees to four- year universities. The transfer degrees are articulated with the universities and our advisors are well-trained to ensure our students complete their associate's degrees with all transfer requirements completed to enter their junior year at the four-year institution of their choice.

Major	Degree/Certificate
AA/OT Oregon Transfer (p. 66)	Associate of Arts
Associate of General Studies (p. 71)	Associate General Studies
Oregon Transfer Module (OTM) (p. 157)	
Parenting Educator& Early Child Home Visitor (p. 163)	Career Pathway Certificate of Completion

Trades & Technical

Trade and technical degrees provide exciting opportunities in the fields of welding, digital design, forestry, paramedicine, and personal training! These certificates offer employment opportunities in as little as a year, but also offer the flexibility to complete an associate's degree and a transfer to a four-year institution.

Major	Degree/Certificate
CIS Digital Design (p. 90)	Associate of Applied Science
CIS Software Development (p. 92)	Associate of Applied Science
Digital Design (p. 124)	Certificate of Completion
Digital Image Foundations (p. 125)	Career Pathway Certificate of Completion
Digital Interactive Foundations (p. 126)	Career Pathway Certificate of Completion
Paramedicine (p. 131)	Associate of Applied Science
Field Surveying and Mapping (p. 132)	Career Pathway Certificate of Completion
Forest Technology (p. 136)	Certificate of Completion
Forestry (p. 137)	Associate of Science
Geographic Information Systems (GIS) (p. 139)	Less Than One Year Certificate of Completion
Natural Resources (p. 150)	Associate of Science
Personal Trainer/ Aging Adult Specialty (p. 164)	Less Than One Year Certificate of Completion
Personal Trainer/ Group Exercise Leader (p. 165)	Less Than One Year Certificate of Completion
Pipe Fitting (p. 167)	Career Pathway Certificate of Completion
Welding Assistant (p. 174)	Career Pathway Certificate of Completion
Welding Technician (p. 175)	Career Pathway Certificate of Completion
Welding (p. 176)	Associate of Applied Science
Welding (p. 178)	Certificate of Completion

PROGRAMS, DEGREES, CERTIFICATES AND PATHWAYS

Southwestern offers many kinds of programs to serve your needs!

Career Pathways allow students to gain skills and build toward a degree or certificate program in stages.

Certificates of Completion provide a more in-depth experience in a discipline or field. Often Career Pathways are steps toward Certificates of Completion.

Full degree programs provide students with a well-rounded background to pursue advanced industry and professional training or to transfer to a four-year institution. In some cases, students can earn certificates along the way to their degrees. In other cases, a Southwestern degree is articulated with specific four-year universities.

Take a look at the components of programs, degrees, certificates, and career pathways that Southwestern offers!

General Education

Philosophy of General Education

Southwestern holds that general education should accomplish two major objectives. The first objective is to provide students with knowledge that will help them attain their full potential as informed and responsible members of society. General education courses offer knowledge that enables students to communicate effectively, to explain relationships among societies, to articulate what it is to be human, to develop artistic expression, to analyze the natural world, and to make informed decisions about physical and mental health.

The second objective of general education is to equip students with the mental skills they must possess if they are to learn independently. Mental skills such as listening, speaking, writing, computing, analyzing, synthesizing, and deliberating logically will enable students to learn on their own throughout their lives.

Southwestern intends that students who complete general education classes shall possess the knowledge and the mental skills essential if they are to develop their potential as individuals and as citizens. General education requirements are aimed at conveying to students the knowledge that each person is valuable and that communities of people are valuable. They are designed to prepare students to promote their own personal well-being and that of society.

A core of general education instruction permeates each of the College's transfer degrees (AAS, AGS, AA/OT, AS, ASOT-BUS, ASOT-CS, AS-Ed), offering students many opportunities to acquire the knowledge and mental skills they must possess to become lifelong learners and responsible citizens.

Student Learning Outcomes

Student learning outcomes are incorporated into all of Southwestern's degrees and programs. All graduates of Southwestern programs will have gained the appropriate discipline, program, foundational, and general student outcomes.

Discipline Studies Learning Outcomes (p. 37)

Foundational Requirement Outcomes (p. 38)

General Student Learning Outcomes (p. 39)

Related Instruction Outcomes (p. 40)

Discipline Studies Learning Outcomes

Discipline Studies Learning Outcomes

Upon successful completion of this program the student will be able to:

Arts and Letters

- Distinguish and apply terminologies, methodologies, processes, epistemologies, and traditions specific to the disciplines.
- Perceive and understand formal, conceptual, and technical elements specific to the discipline.
- Analyze, evaluate, and interpret texts, objects, events, or ideas in their cultural, intellectual, or historical contexts.
- Interpret artistic and/or humanistic works through the creation of art or performance.
- Develop critical perspectives or arguments about the subject matter, grounded in evidence-based analysis.
- Demonstrate self-reflection, intellectual elasticity, widened perspective, and respect for diverse viewpoints.

Social Sciences

- Demonstrate knowledge of the theoretical and conceptual frameworks of a particular Social Science discipline.
- Utilize Social Science approaches, such as research methods, inquiry, or problem solving, to examine the variety of perspectives about human experiences.
- Demonstrate an understanding and appreciation of similarities, differences and changes over time among and between individuals, groups and societies as they shape and are shaped by history, culture, institutions, and ideas.

Science, Mathematics, Computer Science

- Apply foundational knowledge and models of a natural or physical science to analyze and/or predict phenomena.
- Understand the scientific method and apply scientific reasoning to critically evaluate arguments.
- Interpret and communicate scientific information via written, spoken, and/or visual representations.
- Describe the relevance of specific scientific principles to the human experience.
- Form and test a hypothesis in the laboratory or field using discipline-specific tools and techniques for data collection and/or analysis.

Cultural Literacy

- Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

Foundational Requirement Outcomes

Foundational Requirement Outcomes

Upon successful completion of this program the student will be able to:

Writing

- Use multiple writing strategies to explore, clarify, and effectively communicate ideas to appropriate audiences.
- Demonstrate consistent use of conventions particular to a specific writing task including organization, content, presentation, and stylistic choices.
- Incorporate critical thinking at all steps in the writing process.
- Write effectively for diverse audiences within a specific area or discipline using appropriate standards and conventions.

Information Literacy

- Formulate a problem statement.
- Determine the nature and extent of the information.
- Access relevant information effectively and efficiently.
- Evaluate information and its source critically.
- Understand many of the economic, legal, and social issues surrounding the use of information.

Communication

- Research, discover, and develop information resources and structure verbal messages to increase knowledge and understanding.
- Research, discover, and develop evidence-based reasoning and persuasive appeals for influencing attitudes, values, beliefs, or behaviors.
- Demonstrate an understanding of interpersonal rules, roles, and strategies in varied contexts.
- Effectively listen and adapt verbal messages to the personal, ideological, and emotional perspectives of the audience.
- Employ effective verbal and nonverbal behaviors that support communication goals.
- Effectively recognize and critically evaluate the reasoning, evidence, and communication strategies of self and others.

Mathematics

- Read, interpret, write, and communicate mathematical concepts with understanding, clarity, and precision.
- Demonstrate proficiency in the use of symbolic, graphical, numerical, and written representations of mathematical ideas.
- Use mathematical reasoning to identify, apply, and explain an appropriate mathematical structure or method when solving problems.
- Estimate and check solutions to problems and determine reasonableness, implications, and limitations of the methods used in context.
- Use appropriate technology to enhance mathematical thinking and understanding.
- Demonstrate an appreciation for mathematics as a rich theoretical and applied discipline.

Health, Wellness and Fitness

- Demonstrate an ability to develop principles related to the development and maintenance of wellness behaviors and lifelong behaviors.
- Demonstrate an ability to develop skills and to select practices and activities that contribute to lifetime health-enhancing behaviors.
- Demonstrate an ability to develop, to implement, to monitor, and to evaluate a personal fitness and wellness program.

Digital Literacy

- Discuss basic hardware and software concepts and demonstrate use of an operating system.
- Demonstrate care, skill and knowledge of contemporary office productivity software.
- Discuss networks and the Internet, and their impact on society.

General Student Learning Outcomes

General Student Learning Outcomes

Students graduating from Southwestern with a two-year degree are expected to have gained the knowledge, skills and attitudes (dispositions) and to demonstrate competency for the following institutional general learning outcomes:

Communication

Students completing a degree will be able to demonstrate effective knowledge, skills, and attitudes in reading, writing, speaking, and listening, presentation of self and information.

Computation

Students completing a degree will be able to demonstrate effective knowledge, skills, and attitudes in technology skills, computer proficiency, math proficiency, decision analysis (synthesis & evaluation), understanding of and ability to apply mathematical concepts and reasoning, analyzing and using numerical data.

Creative, Critical and Analytical Thinking

Students completing a degree will be able to demonstrate effective knowledge, skills and attitudes using curiosity, learning strategies, information gathering, analysis, synthesis, evaluation, creativity, research, and problem solving.

Community/Global Consciousness and Responsibility

Students completing a degree will be able to demonstrate effective knowledge, skills, and attitudes involving respect, citizenship, cultural awareness, interpersonal skills, ethics, lifelong learning, community service, self-esteem, integrity, and empathy.

Discipline Content

Students completing a degree will be able to demonstrate effective skills and attitudes that are specific to a discipline or career.

Related Instruction Outcomes

Related Instruction Outcomes

Upon successful completion of a certificate the student will be able to:

Communication

- Engage in ethical communication processes that allow people to accomplish goals.
- Respond to the needs of diverse audiences and contexts.
- Build and manage personal and community relationships.

Computation

- Analyze and evaluate real-world problems in a logical manner.
- Model, analyze, and solve real-world problems in a mathematical context.
- Utilize technology for analyzing and evaluating real-world problems.

Human Relations

- Understand the importance of goal setting, planning, and the impact of a positive mental outlook in both one's personal and professional life.
- Recognize and respect diversity as a vital component of effective human relation skills.

Articulated Degrees

Transferring to Another Institution

Transfer without a degree is an option for Southwestern students. A student may select a major and transfer school, then take only the specific courses required for that major and/or college. Students in certain majors may need to transfer after one year to take advantage of critical major courses offered in the sophomore year at the transfer institution. When a student opts for direct transfer, Southwestern courses are evaluated and accepted on a course-by-course basis by the transfer institution.

Direct transfer students must meet the transfer schools' "freshman" or "transfer admission" requirements. Catalogs from transfer institutions contain information about credit hour and Grade Point Average (GPA) requirements, as well as transfer application procedures. For assistance, contact the University Center (<https://www.socc.edu/uc>).

Successful Transfer

Success in the transfer process is largely the result of careful planning. It is each student's responsibility to learn the program requirements of any prospective transfer school and to keep up-to-date on changes in those requirements. Therefore, students should periodically contact the University Center (<https://www.socc.edu/uc>) and/or the transfer institution for updates. Prudent use of available resources and advising can help ensure smooth transition to a four-year institution.

Students can benefit from following these tips for successful transfer:

- **Plan Ahead:** Consider enrolling in HD100 College Success and Survival and/or contact an advisor during your first term at Southwestern to develop an education plan. If you need help with choosing a major or career, consider enrolling in HD140 Career/Education Exploration or HD208 Career/Life Plan. Consider taking HD215 Transfer Success.
- **Maintain Contact:** Establish early contact with admissions representatives and major advisors at Southwestern and transfer institutions. Keep in touch with them in order to keep up-to-date on major and transfer requirements.
- **Know the Rules:** Pay attention to GPA and transfer credit policies, application deadlines and both general education and major course requirements of transfer institutions.
- **Confirm Transferability of Courses:** Not all 100-200 level courses transfer to all four-year schools. Transfer colleges have the "last say" on transferability. Transfer course policies and articulation information can often be found on the transfer school's registrar or admission's webpage.
- **Utilize Transfer Resources:** This catalog, the University Center (<https://www.socc.edu/uc>), the Educational Support Programs and Services (<https://www.socc.edu/esps>) (ESPS) Office, quarterly Transfer Days and Southwestern advisors are key sources of information and guidance.
- **Ask for Help:** Make sure you have current and complete information; ask for what you need to complete the transfer process successfully.

Transfer Problems?

If a student has a problem transferring classes to a college or university, the student should first try to resolve the problem through contact with the transfer institution. Southwestern advisors may be of assistance in

such cases. University Center (<https://www.socc.edu/uc>) staff can also assist you with transfer inquiries.

Emphasis	Degree or Direct Transfer	Articulated Agreement
Associate of Arts/ Oregon Transfer (p. 66)	AA/OT	Eastern Washington University Oregon Public Universities
Business (p. 84)	ASOT-BUS	Oregon Public Universities
Computer Science (p. 110)	ASOT-CS	Oregon Public Universities
Associate of Applied Science (p. 64)	AAS	Southern Oregon University
Childhood Education and Family Studies (p. 101)	AS	Western Oregon University
Childhood Education and Family Studies (p. 98)	AAS	Southern Oregon University
Criminal Justice (p. 116)	AS	Southern Oregon University
Fire Science (p. 135)	AS	Eastern Oregon University
Forestry (p. 137)	AS	Oregon State University University of Idaho
Marine Biology (p. 143)	AA/OT	University of Oregon
Natural Resources (p. 150)	AS	Oregon State University
Nursing (p. 154)	AAS	Oregon Health & Science University
Oregon Transfer Module (p. 157)	OTM	Oregon Community Colleges Oregon Public Universities

AA/OT College Transfer, Recommended Course Work for Specific Majors

Many students wish to transfer into a specific field of study or major at a university after completing an AA/OT at Southwestern Oregon Community College. In order to be prepared for upper division courses at the university, students should consider the following course suggestions. These are **suggested** AA/OT courses for several fields of study. *Please check* with the University Center (<https://www.socc.edu/uc>), ESPS (<https://www.socc.edu/esps>), or the institution to which you plan to transfer for specific transfer guidelines.

All AA/OT students must complete one course designated as meeting the cultural diversity requirement. If a cultural diversity course is NOT specified, make sure to include one in the program.

ANTHROPOLOGY

Suggested courses to meet AA/OT requirements and electives

ANTH101	Physical Anthropology and Evolution	3
ANTH102	Introduction to Archaeology	3
ANTH221	Intro to Cultural Anthropology ¹	3

ANTH222	Intro to Cultural Anthropology ¹	3
ANTH223	Intro to Cultural Anthropology ¹	3
ART204	History of Western Art:	3
ART205	History of Western Art:	3
ART206	History of Western Art:	3
BI101	General Biology	4
BI102	General Biology	4
BI103	General Biology	4
G201	Physical Geology I	4
G202	Physical Geology II	4
G203	Historical Geology	4
GEOG105	Cultural Geography ¹	3
MTH105	Math in Society	4
or MTH111	College Algebra	
PSY201	General Psychology	3
or PSY201H	General Psychology w/Honors	
PSY202	General Psychology	3
or PSY202H	General Psychology w/Honors	
PSY203	General Psychology	3
or PSY203H	General Psychology w/Honors	
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ²		3
1 Arts & Letters course (different prefix than ART)		3
PE/Wellness courses ³		3
Elective courses ⁴		8

¹ Course meets the cultural diversity requirement.

² Speech courses include SP 100, 111, 218, 219, excludes SP 220.

³ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

⁴ Check transfer college/university requirements.

ARCHITECTURE

Suggested courses to meet AA/OT requirements and electives

ART115	Basic Design I, Intro to Elements	4
ART116	Basic Design II, Color Theory	4
ART117	Basic Design III, Intro to 3D Desgn	4
ART204	History of Western Art:	3
ART205	History of Western Art:	3
ART206	History of Western Art:	3
CIS120	Concepts of Computing	4
DRFT110	Computer Assisted Drafting I	3
DRFT111	Computer Assisted Drafting II	3
DRFT112	Computer Assisted Drafting III	3
MTH112	Trigonometry	4
or MTH112H	Trigonometry w/Honors	
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5
PH203	Gen Physics III: Elect & Magnetism	5

WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ¹		3
1 Arts & Letters course (different prefix than ART)		3
4 Social Science courses (2 different prefixes)		12
PE/Wellness courses ²		3
Electives ³		8

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

³ Check transfer college/university requirements.

ART

Suggested courses to meet AA/OT requirements and electives

ART115	Basic Design I, Intro to Elements	4
ART116	Basic Design II, Color Theory	4
ART117	Basic Design III, Intro to 3D Desgn	4
ART131	Introduction to Drawing I	3
ART132	Introduction to Drawing II	3
ART133	Introduction to Drawing III	3
ART204	History of Western Art:	3
ART205	History of Western Art:	3
ART206	History of Western Art:	3
CIS120	Concepts of Computing	4
MTH105	Math in Society	4
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ¹		3
3 Lab Science courses (Biological or Physical)		12
1 Arts & Letters course (different prefix than ART)		3
4 Social Science courses (2 different prefixes)		12
PE/Wellness courses ²		3
Electives (studio art courses recommended) ³		11

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

³ Check transfer college/university requirements.

ART HISTORY

Suggested courses to meet AA/OT requirements and electives

ART115	Basic Design I, Intro to Elements	4
ART116	Basic Design II, Color Theory	4
ART117	Basic Design III, Intro to 3D Desgn	4
ART131	Introduction to Drawing I	3
ART132	Introduction to Drawing II	3
ART133	Introduction to Drawing III	3

ART204	History of Western Art:	3
ART205	History of Western Art:	3
ART206	History of Western Art:	3
CIS120	Concepts of Computing	4
ENG107	World Literature ¹	3
ENG108	World Literature ¹	3
ENG109	World Literature ¹	3
HST101	History of Western Civilization	3
HST102	History of Western Civilization	3
HST103	History of Western Civilization	3
MTH105	Math in Society	4
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ²		3
3 Lab Science courses (Biology or Physical)		12
Social Science courses (different prefix than HST)		3
PE/Wellness courses ³		3
Elective credits ⁴		5

¹ Course meets the cultural diversity requirement.

² Speech courses include SP 100, 111, 218, 219, excludes SP 220.

³ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

⁴ Check transfer college/university requirements.

ARTS AND LETTERS

Suggested courses to meet AA/OT requirements and electives

CIS120	Concepts of Computing	4
ENG104	Introduction to Literature Fiction	3
ENG105	Introduction to Literature Drama	3
ENG106	Introduction to Literature Poetry	3
ENG107	World Literature ¹	3
or ENG107H	World Literature w/Honors	
ENG108	World Literature ¹	3
ENG109	World Literature ¹	3
HST101	History of Western Civilization	3
HST102	History of Western Civilization	3
HST103	History of Western Civilization	3
MTH105	Math in Society	4
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ²		3
3 Lab Science courses (Biological or Physical)		12
1 Social Science course (different prefix than HST)		3
2nd year Foreign Language sequence		12
PE/Wellness courses ³		3

Electives ⁴	13
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¹ Course meets the cultural diversity requirement.

² Speech courses include SP 100, 111, 218, 219, excludes SP 220.

³ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

⁴ Check transfer college/university requirements.

BIOCHEMISTRY/BIOPHYSICS

Suggested courses to meet AA/OT requirements and electives

MTH251	Calculus I Differential Calculus	4
or MTH251H	Calculus I w/Honors	
MTH252	Calculus II Integral Calculus	4
or MTH252H	Calculus II w/Honors	
MTH253	Calculus III	4
or MTH253H	Calculus III w/Honors	
PH211	Gen Physics w/Calculus I	5
PH212	Gen Physics w/Calculus II	5
PH213	Gen Physics w/Calculus III	5
Introductory Biology sequence or General Chem sequence ¹		12-15
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ²		3
3 Arts & Letters courses (two different prefixes)		9
4 Social Science courses (two different prefixes)		12
PE/Wellness courses ³		3
Electives ⁴		12-15

¹ Must take full sequence of BI 201, 202, 203 **OR** CHEM 221, 222, 223.

² Speech courses include SP 100, 111, 218, 219, excludes SP 220.

³ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

⁴ Check transfer college/university requirements.

BIOLOGY

Suggested courses to meet AA/OT requirements and electives

BI201	Introductory Biology	4
BI202	Introductory Biology	4
BI203	Introductory Biology	4
CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
MTH251	Calculus I Differential Calculus	4
or MTH251H	Calculus I w/Honors	
MTH252	Calculus II Integral Calculus	4
or MTH252H	Calculus II w/Honors	
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5
PH203	Gen Physics III: Elect & Magnetism	5
WR121	English Composition	3
or WR121H	English Composition w/Honors	

WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ¹		3
3 Arts & Letters courses (two different prefixes)		9
4 Social Science courses (two different prefixes)		12
PE/Wellness courses ²		3
Electives ³		4

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

³ Check transfer college/university requirements.

CHEMISTRY

Suggested courses to meet AA/OT requirements and electives

CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
MTH251	Calculus I Differential Calculus	4
or MTH251H	Calculus I w/Honors	
MTH252	Calculus II Integral Calculus	4
or MTH252H	Calculus II w/Honors	
MTH253	Calculus III	4
or MTH253H	Calculus III w/Honors	
MTH256	Differential Equations	4
PH211	Gen Physics w/Calculus I	5
PH212	Gen Physics w/Calculus II	5
PH213	Gen Physics w/Calculus III	5
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ¹		3
3 Art & Letters courses (two different prefixes)		9
4 Social Science courses (two different prefixes)		12
PE/Wellness courses ²		3
Electives ³		8

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

³ Check transfer college/university requirements.

COMMUNICATIONS/SPEECH

Suggested courses to meet AA/OT requirements and electives

CIS120	Concepts of Computing	4
HST101	History of Western Civilization	3
HST102	History of Western Civilization	3
HST103	History of Western Civilization	3
MTH105	Math in Society	4
or MTH111	College Algebra	
SP100	Basic Speech Communications	3

SP111	Fundamentals of Public Speaking	3
SP218	Interpersonal Communication	3
SP219	Small Group Discussion	3
SP220	Gender and Communication ¹	3
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
WR243	Imaginative Writing Explorations	3
3 Lab Science courses (Biological or Physical)		12-15
1 Social Science course (different prefix than HST)		3
PE/Wellness courses ¹		3
Electives ²		25-28

¹ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

² Check transfer college/university requirements.

DENTISTRY

Suggested courses to meet AA/OT requirements and electives

BI201	Introductory Biology	4
BI202	Introductory Biology	4
BI203	Introductory Biology	4
CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
MTH111	College Algebra	4
or MTH111H	College Algebra w/Honors	
MTH112	Trigonometry	4
or MTH112H	Trigonometry w/Honors	
MTH251	Calculus I Differential Calculus	4
or MTH251H	Calculus I w/Honors	
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5
PH203	Gen Physics III: Elect & Magnetism	5
PSY201	General Psychology	3
or PSY201H	General Psychology w/Honors	
PSY202	General Psychology	3
or PSY202H	General Psychology w/Honors	
PSY203	General Psychology	3
or PSY203H	General Psychology w/Honors	
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ¹		3
3 Arts & Letters courses (two different prefixes)		9
1 Social Science course (different prefix from PSY)		3
PE/Wellness course ²		3

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

EDUCATION, ELEMENTARY

Suggested courses to meet AA/OT requirements and electives; this is a general list for students planning to transfer to a Teacher Licensing program in Oregon. Students interested in transferring to Southern Oregon University should see the University Center (<https://www.socc.edu/uc>) staff for the articulated program.

ED134	Children Who are Dual Lang Learners	2
ED169	Overview of Student Special Needs	3
ED200	Introduction to Education	3
ED201	Music Education for Elementary Ed	3
ED202	Art Education for Elementary Ed	3
ED258	Multicultural Education ¹	3
ED280	CWE: Education & Tutoring	1
GEOG105	Cultural Geography ¹	3
HST201	History of the United States	3
HST202	History of the United States	3
HST203	History of the United States	3
HE250	Personal Health	3
or PE231	Wellness for Life	
HDFS247	Preschool Child Development	3
HDFS229	Development in Middle Childhood	3
MTH211	Fundamentals of Elementary	4
MTH212	Fundamentals of Elementary	4
MTH213	Fundamentals of Elementary	4
PSY201	General Psychology	3
or PSY202	General Psychology	
SP111	Fundamentals of Public Speaking	3
or SP219	Small Group Discussion	
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
3 Lab Science courses (two different prefixes)		12
2 Literature courses (ENGL prefix)		6
Music or Art Appreciation/History course		3
Elective ²		6

¹ Course meets the cultural diversity requirement.

² Check transfer college/university requirements.

ENGLISH

Suggested courses to meet AA/OT requirements and electives

CIS120	Concepts of Computing	4
ENG107	World Literature ¹	3
or ENG107H	World Literature w/Honors	
ENG108	World Literature ¹	3
ENG109	World Literature ¹	3
MTH105	Math in Society	4
WR121	English Composition	3

or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
Full sequence Survey of Literature ²		9
1 Speech course ³		3
3 Lab Science courses		12
4 Social Science courses (two different prefixes)		12
Second-Year Foreign Language		12
PE/Wellness courses ⁴		3
Electives ⁵		13

¹ Course meets the cultural diversity requirement.

² Choose one 200-level literature sequence: ENG 253, 254, 255, American Lit, or ENG 204, 205, 206, English Lit

³ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

⁴ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

⁵ Check transfer college/university requirements.

ENVIRONMENTAL HEALTH & SAFETY

Suggested courses to meet AA/OT requirements and electives

BI101	General Biology	4
BI102	General Biology	4
BI103	General Biology	4
CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
HE250	Personal Health	3
MTH111	College Algebra	4
or MTH111H	College Algebra w/Honors	
MTH241	Calculus for Bus and Soc Science I	4
or MTH112	Trigonometry	
PH201	Gen Physics I: Mechanics	5
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
or WR227	Report Writing	
1 Speech course ¹		3
3 Arts & Letters courses		9
4 Social Science courses		12
Electives ²		14

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² Check transfer college/university requirements.

ENVIRONMENTAL SCIENCE

Suggested courses to meet AA/OT requirements and electives

BI201	Introductory Biology	4
BI202	Introductory Biology	4
BI203	Introductory Biology	4

CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
CIS120	Concepts of Computing	4
ECON201	Microeconomics	4
ECON202	Macroeconomics	4
MTH111	College Algebra	4
or MTH111H	College Algebra w/Honors	4
MTH243	Intro to Probability and Statistics	4
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5
PH203	Gen Physics III: Elect & Magnetism	5
PHL102	Ethics	3
WR121	English Composition	3
or WR121H	English Composition w/Honors	3
WR122	English Composition	3
or WR122H	English Composition w/Honors	3
WR227	Report Writing	3
1 Speech course ¹		3
2 Arts & Letters courses (at least 1 different prefix than PHL)		6
2 Social Science courses (different prefix than ECON)		6
PE/Wellness courses ²		3

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

FOREIGN LANGUAGE

Suggested courses to meet AA/OT requirements and electives

ANTH221	Intro to Cultural Anthropology ¹	3
ANTH222	Intro to Cultural Anthropology ¹	3
ART204	History of Western Art:	3
CIS120	Concepts of Computing	4
ENG107	World Literature ¹	3
or ENG107H	World Literature w/Honors	3
ENG108	World Literature ¹	3
ENG109	World Literature ¹	3
HST101	History of Western Civilization	3
HST102	History of Western Civilization	3
HST103	History of Western Civilization	3
HUM204	World Mythlgy & Religion ¹	3
HUM205	World Mythlgy & Religion ¹	3
HUM206	World Mythlgy & Religion ¹	3
MTH105	Math in Society	4
WR121	English Composition	3
or WR121H	English Composition w/Honors	3
WR122	English Composition	3
or WR122H	English Composition w/Honors	3
WR123	English Composition	3
1 Speech course ²		3
Second-Year Foreign Language sequence		12
3 Lab Science courses		12
PE/Wellness courses ³		3

Electives ⁴		7
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¹ Course meets the cultural diversity requirement.

² Speech courses include SP 100, 111, 218, 219, excludes SP 220.

³ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

⁴ Check transfer college/university requirements.

GEOGRAPHY

Suggested courses to meet AA/OT requirements and electives

CIS120	Concepts of Computing	4
GEOG105	Cultural Geography ¹	3
GEOG209	Physical Geography Weather/Climate	4
GEOG265	Intro to Geographical Info Systems	3
GEOG270	Adv Topics in Geog Info Systems	3
GEOG275	Fundamentals of Cartography	3
MTH111	College Algebra	4
or MTH111H	College Algebra w/Honors	4
MTH243	Intro to Probability and Statistics	4
WR121	English Composition	3
or WR121H	English Composition w/Honors	3
WR122	English Composition	3
or WR122H	English Composition w/Honors	3
WR123	English Composition	3
1 Speech course ²		3
3 Lab Science courses		12
3 Arts & Letters courses		9
3 Social Science courses		9
PE/Wellness courses ³		3
Electives ⁴		17

¹ Course meets the cultural diversity requirement.

² Speech courses include SP 100, 111, 218, 219, excludes SP 220.

³ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

⁴ Check transfer college/university requirements.

GEOLOGY

Suggested courses to meet AA/OT requirements and electives

CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
G145	Regional Field Geology	3
G201	Physical Geology I	4
G202	Physical Geology II	4
G203	Historical Geology	4
MTH251	Calculus I Differential Calculus	4
or MTH251H	Calculus I w/Honors	4
MTH252	Calculus II Integral Calculus	4
or MTH252H	Calculus II w/Honors	4
MTH253	Calculus III	4
or MTH253H	Calculus III w/Honors	4
PH201	Gen Physics I: Mechanics	5
or PH211	Gen Physics w/Calculus I	5

PH202	Gen Physics II: Heat, Waves, Rel	5	CIS120	Concepts of Computing	4
or PH212	Gen Physics w/Calculus II		ECON201	Microeconomics	4
PH203	Gen Physics III: Elect & Magnetism	5	ECON202	Macroeconomics	4
or PH213	Gen Physics w/Calculus III		HST101	History of Western Civilization	3
WR121	English Composition	3	HST102	History of Western Civilization	3
or WR121H	English Composition w/Honors		HST103	History of Western Civilization	3
WR122	English Composition	3	HST201	History of the United States	3
or WR122H	English Composition w/Honors		HST202	History of the United States	3
WR123	English Composition	3	HST203	History of the United States	3
1 Speech course ¹		3	MTH105	Math in Society	4
3 Arts & Letters courses (two different prefixes)		9	MTH243	Intro to Probability and Statistics	4
4 Social Science courses		12	WR121	English Composition	3
PE/Wellness courses ²		3	or WR121H	English Composition w/Honors	

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

HEALTH CARE ADMINISTRATION

Suggested courses to meet AA/OT requirements and electives

AH152	Medical Law and Ethics	2	WR122	English Composition	3
BA211	Principles of Accounting I	4	or WR122H	English Composition w/Honors	
BA212	Principles of Accounting II	4	WR123	English Composition	3
BA285	Human Relations in Organizations	3	Second-Year foreign language sequence		12
BI231	Human Anatomy and Physiology I	4	1 Speech course ¹		3
BI234	Microbiology	4	3 Lab Science courses		12
CHEM110	Found of Gen, Organic & Biochem ¹	4-5	1 Arts & Letters course (other than foreign language prefix)		3
or CHEM221	General Chemistry I		PE/Wellness courses ²		3
ECON201	Microeconomics	4	Electives ³		10
ECON202	Macroeconomics	4			
HE250	Personal Health	3			
MTH111	College Algebra	4			
or MTH111H	College Algebra w/Honors				
MTH243	Intro to Probability and Statistics	4			
PSY201	General Psychology	3			
or PSY201H	General Psychology w/Honors				
WR121	English Composition	3			
or WR121H	English Composition w/Honors				
WR122	English Composition	3			
or WR122H	English Composition w/Honors				
WR227	Report Writing	3			
1 Speech course ²		3			
3 Arts & Letters courses (two different prefixes)		9			
1 Social Science course		3			
Electives ³		18-19			

¹ If applying CHEM 110, student will need to complete another Lab Science course to meet AA/OT degree requirements.

² Speech courses include SP 100, 111, 218, 219, excludes SP 220.

³ Check transfer college/university requirements.

HISTORY

Suggested courses to meet AA/OT requirements and electives

WR121	English Composition	3			
or WR121H	English Composition w/Honors				
WR122	English Composition	3			
or WR122H	English Composition w/Honors				
WR123	English Composition	3			
Second-Year foreign language sequence		12			
1 Speech course ¹		3			
3 Lab Science courses		12			
1 Arts & Letters course (other than foreign language prefix)		3			
PE/Wellness courses ²		3			
Electives ³		10			

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

³ Check transfer college/university requirements.

HORTICULTURE

Suggested courses to meet AA/OT requirements and electives

ART115	Basic Design I, Intro to Elements	4			
BI101	General Biology	4			
BI102	General Biology	4			
BI103	General Biology	4			
CHEM221	General Chemistry I	5			
CIS120	Concepts of Computing	4			
ENV110	Introduction Environmental Science	3			
ENV145	Environmental Sampling	3			
ENV235	Introduction to Soil Science	4			
MTH105	Math in Society	4			
SP218	Interpersonal Communication	3			
WR121	English Composition	3			
or WR121H	English Composition w/Honors				
WR122	English Composition	3			
or WR122H	English Composition w/Honors				
WR227	Report Writing	3			
2 Arts & Letters courses		6			
4 Social Science courses		12			
PE/Wellness courses ¹		3			
Electives ²		18			

¹ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

² Check transfer college/university requirements.

HOSPITALITY, TOURISM, & RECREATION

Suggested courses to meet AA/OT requirements and electives

BA101	Introduction to Business	4
BA211	Principles of Accounting I	4
BA212	Principles of Accounting II	4
BA213	Principles of Accounting III	4
BA285	Human Relations in Organizations	3
CIS120	Concepts of Computing	4
ECON201	Microeconomics	4
ECON202	Macroeconomics	4
MTH105	Math in Society	4
MTH243	Intro to Probability and Statistics	4
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
or WR227	Report Writing	
1 Speech course ¹		3
3 Lab Science courses		12
3 Arts & Letters courses (two different prefixes)		9
2 Social Science courses (different prefix from ECON)		6
PE/Wellness courses ²		3
Electives ³		9

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

³ Check transfer college/university requirements.

HUMAN SERVICES/SOCIAL WORK

Suggested courses to meet AA/OT requirements and electives

CIS120	Concepts of Computing	4
HS100	Introduction to Human Services	3
HS154	Community Resources	3
HS155	Interviewing Theory and Techniques	4
MTH105	Math in Society	4
or MTH111	College Algebra	
MTH243	Intro to Probability and Statistics	4
PSY201	General Psychology	3
or PSY201H	General Psychology w/Honors	
PSY202	General Psychology	3
or PSY202H	General Psychology w/Honors	
PSY203	General Psychology	3
or PSY203H	General Psychology w/Honors	
SOC204	Introduction to Sociology	3
SOC206	Social Problems and Issues	3
or SOC205	Social Institutions and Change	
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	

WR123	English Composition	3
or WR227	Report Writing	
1 Speech course ¹		3
3 Lab Science courses		12
3 Arts & Letters courses (two different prefixes)		9
PE/Wellness courses ²		3
Electives ³		17

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

³ Check transfer college/university requirements. Students should consider taking three (3) credits of internship in a human services agency.

INTERIOR DESIGN

Suggested courses to meet AA/OT requirements and electives

ART115	Basic Design I, Intro to Elements	4
ART116	Basic Design II, Color Theory	4
ART117	Basic Design III, Intro to 3D Design	4
BA101	Introduction to Business	4
CIS120	Concepts of Computing	4
CIS125DM	Digital Media Applications	3
DD160	Digital Design Orientation	3
DD250	Projects in Digital Media	3
ECON201	Microeconomics	4
MTH111	College Algebra	4
or MTH105	Math in Society	
MTH243	Intro to Probability and Statistics	4
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
or WR227	Report Writing	
1 Art History course ¹		3
1 Speech course ²		3
3 Lab Science courses		12
3 Social Science courses (one different prefix from ECON)		9
PE/Wellness courses ³		3
Electives ⁴		11

¹ Choose one art history course from ART 204, 205, or 206.

² Speech courses include SP 100, 111, 218, 219, excludes SP 220.

³ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

⁴ Check transfer college/university requirements.

INTERNATIONAL STUDIES

Suggested courses to meet AA/OT requirements and electives

CIS120	Concepts of Computing	4
HST101	History of Western Civilization	3
HST102	History of Western Civilization	3
HST103	History of Western Civilization	3

HUM204	World Mythlgy & Religion ¹	3
HUM205	World Mythlgy & Religion ¹	3
HUM206	World Mythlgy & Religion ¹	3
MTH105	Math in Society	4
or MTH111	College Algebra	
PS205	Intrnl Relations: US Foreign Policy	3
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
Second year foreign language courses ²		12
1 Speech course ³		3
3 Lab Science courses		12
1 Arts & Letters course ⁴		3
PE/Wellness courses ⁵		3
Electives ⁶		19

¹ Course meets the cultural diversity requirement.

² Many International Studies BA programs require study of two foreign languages.

³ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

⁴ Course in World Literature, ENG 107, 108, or 109 recommended.

⁵ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

⁶ Check transfer college/university requirements. Suggested elective course choices: ANTH 101, 102, 103; ART 204, 205, 206; ECON 201, 202; HST 104; PSY 201, 202, 203; SOC 204, 205, 206

JOURNALISM

Suggested courses to meet AA/OT requirements and electives

CIS120	Concepts of Computing	4
CIS125DM	Digital Media Applications	3
ECON201	Microeconomics	4
ECON202	Macroeconomics	4
ENG104	Introduction to Literature Fiction	3
ENG105	Introduction to Literature Drama	3
ENG106	Introduction to Literature Poetry	3
HST101	History of Western Civilization	3
HST102	History of Western Civilization	3
HST103	History of Western Civilization	3
J203	Writing for Media I	3
J205	Writing for Media II	3
J215	Publishing Lab	3
MTH105	Math in Society	4
or MTH111	College Algebra	
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ¹		3
3 Lab Science courses		12

PE/Wellness courses ²	3
Electives ³	17

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

³ Check transfer college/university requirements. Suggestions: additional writing courses; courses in ANTH, HIS, PS, PSY, or SOC; software application & design courses from ART, CIS, or DD.

MEDICAL IMAGING

Suggested courses to meet AA/OT requirements and electives

AH111	Medical Terminology I	3
AH112	Medical Terminology II	3
BA285	Human Relations in Organizations	3
BI231	Human Anatomy and Physiology I	4
BI232	Human Anatomy and Physiology II	4
BI233	Human Anatomy and Physiology III	4
CIS120	Concepts of Computing	4
CHEM110	Found of Gen, Organic & Biochem	4
or CHEM221	General Chemistry I	
MTH111	College Algebra	4
or MTH111H	College Algebra w/Honors	
MTH112	Trigonometry	4
or MTH112H	Trigonometry w/Honors	
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5
PH203	Gen Physics III: Elect & Magnetism	5
PSY201	General Psychology	3
or PSY201H	General Psychology w/Honors	
PSY202	General Psychology	3
or PSY202H	General Psychology w/Honors	
PSY203	General Psychology	3
or PSY203H	General Psychology w/Honors	
SP111	Fundamentals of Public Speaking	3
SP218	Interpersonal Communication	3
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR227	Report Writing	3
3 Arts & Letters courses (different prefix than SP)		9
1 Social Science course (different prefix than PSY)		3
PE/Wellness courses ¹		3

¹ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

MEDICINE

Suggested courses to meet AA/OT requirements and electives

BI201	Introductory Biology	4
BI202	Introductory Biology	4
BI203	Introductory Biology	4
CHEM221	General Chemistry I	5

CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
MTH251	Calculus I Differential Calculus	4
or MTH251H	Calculus I w/Honors	
MTH252	Calculus II Integral Calculus	4
or MTH252H	Calculus II w/Honors	
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5
PH203	Gen Physics III: Elect & Magnetism	5
PSY201	General Psychology	3
or PSY201H	General Psychology w/Honors	
PSY202	General Psychology	3
or PSY202H	General Psychology w/Honors	
PSY203	General Psychology	3
or PSY203H	General Psychology w/Honors	
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ¹		3
3 Arts & Letters courses (two different prefixes)		9
1 Social Science course (different prefix than PSY)		3
PE/Wellness courses ²		3
Electives ³		4

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

³ Check transfer college/university requirements.

MICROBIOLOGY

Suggested courses to meet AA/OT requirements and electives

BI201	Introductory Biology	4
BI202	Introductory Biology	4
BI203	Introductory Biology	4
CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
MTH251	Calculus I Differential Calculus	4
or MTH251H	Calculus I w/Honors	
MTH252	Calculus II Integral Calculus	4
or MTH252H	Calculus II w/Honors	
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5
PH203	Gen Physics III: Elect & Magnetism	5
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ¹		3
3 Arts & Letters courses (two different prefixes)		9

4 Social Science courses (two different prefixes)	12
PE/Wellness courses ²	3
Electives ³	4

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

³ Check transfer college/university requirements.

MUSIC

Suggested courses to meet AA/OT requirements and electives

MTH105	Math in Society	4
MUS111	Music Theory I	3
MUS112	Music Theory II	3
MUS113	Music Theory III	3
MUS114	Aural Skills I	1
MUS115	Aural Skills I	1
MUS116	Aural Skills I	1
MUS211	Advanced Music Theory I	3
MUS212	Advanced Music Theory II	3
MUS213	Advanced Music Theory III	3
MUP Ensemble courses ¹		6-12
MUP Individual Lessons ²		3-6
MUS History/Culture course ³		3
1 Speech course ⁴		3
3 Lab Science courses		12
2nd year Foreign Language sequence		12
PE/Wellness courses ⁵		3
Electives ⁶		14-23

¹ Six terms of appropriate ensemble participation.

² Three terms of private study.

³ Choose from: MUS 201, 202, 203, 205, 206, or 207.

⁴ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

⁵ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

⁶ Check transfer college/university requirements.

NUTRITION

Suggested courses to meet AA/OT requirements and electives

BI201	Introductory Biology	4
BI202	Introductory Biology	4
BI203	Introductory Biology	4
CIS120	Concepts of Computing	4
CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
FN225	Nutrition	4
HE250	Personal Health	3
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5
PSY201	General Psychology	3
or PSY202H	General Psychology w/Honors	
PSY202	General Psychology	3

or PSY202H	General Psychology w/Honors	
PSY203	General Psychology	3
or PSY203H	General Psychology w/Honors	
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
or WR227	Report Writing	
1 Speech course ¹		3
3 Arts & Letters courses (two different prefixes)		9
1 Social Science course (different prefix than PSY)		3
Electives ²		9

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² Check transfer college/university requirements. Recommendations: AH 152, BI 149, BI 234, MTH 251, PSY 237.

OCCUPATIONAL THERAPY

Suggested courses to meet AA/OT requirements and electives. Prerequisites vary widely by school. Research specific schools that interest you to be sure you meet any additional requirements.

BI231	Human Anatomy and Physiology I	4
BI232	Human Anatomy and Physiology II	4
BI233	Human Anatomy and Physiology III	4
CHEM221	General Chemistry I	5
CIS120	Concepts of Computing	4
MTH105	Math in Society	4
MTH243	Intro to Probability and Statistics	4
PH201	Gen Physics I: Mechanics	5
PSY201	General Psychology	3
PSY237	Life Span Development	3
PSY239	Introduction to Abnormal Psychology	3
SOC204	Introduction to Sociology	3
SOC205	Social Institutions and Change	3
or SOC206	Social Problems and Issues	
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ¹		3
3 Arts & Letters courses		9
PE/Wellness courses ²		3
Electives ³		17

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

³ Check transfer college/university requirements.

OPTOMETRY

Suggested courses to meet AA/OT requirements and electives

BI201	Introductory Biology	4
BI202	Introductory Biology	4
BI203	Introductory Biology	4
CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
MTH111	College Algebra	4
or MTH111H	College Algebra w/Honors	
MTH112	Trigonometry	4
or MTH112H	Trigonometry w/Honors	
MTH243	Intro to Probability and Statistics	4
MTH251	Calculus I Differential Calculus	4
or MTH251H	Calculus I w/Honors	
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5
PH203	Gen Physics III: Elect & Magnetism	5
PSY201	General Psychology	3
or PSY201H	General Psychology w/Honors	
PSY202	General Psychology	3
or PSY202H	General Psychology w/Honors	
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR227	Report Writing	3
1 Speech course ¹		3
3 Arts & Letters courses (two different prefixes)		9
2 Social Science courses (prefix different than PSY)		6
PE/Wellness courses ²		3

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

PHARMACY

Suggested courses to meet AA/OT requirements and electives

BI201	Introductory Biology	4
BI202	Introductory Biology	4
BI203	Introductory Biology	4
CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
ECON201	Microeconomics	4
or ECON202	Macroeconomics	
MTH111	College Algebra	4
or MTH111H	College Algebra w/Honors	
MTH112	Trigonometry	4
or MTH112H	Trigonometry w/Honors	
MTH251	Calculus I Differential Calculus	4
or MTH251H	Calculus I w/Honors	
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5
PH203	Gen Physics III: Elect & Magnetism	5

PSY201	General Psychology	3
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR227	Report Writing	3
1 Speech course ¹		3
3 Arts & Letters courses (two different prefixes)		9
2 Social Science courses		6
PE/Wellness courses ²		3

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

PHILOSOPHY

Suggested courses to meet AA/OT requirements and electives

CIS120	Concepts of Computing	4
MTH105	Math in Society	4
PHL101	Introduction to Philosophy	3
PHL102	Ethics	3
PHL103	Intro to Logic and Critical Thnkg	3
PS202	American Government Policy Issues	3
SP220	Gender and Communication ¹	3
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
2nd Year Foreign Language		12
1 Speech course ²		3
3 Lab Science courses		12
3 Social Sciences courses (one not PS prefix)		9
PE/Wellness courses ³		3
Electives ⁴		19

¹ Course meets the cultural diversity requirement.

² Speech courses include SP 100, 111, 218, 219, excludes SP 220.

³ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

⁴ Check transfer college/university requirements.

PHYSICAL THERAPY

Suggested courses to meet AA/OT requirements and electives

BI201	Introductory Biology	4
BI202	Introductory Biology	4
BI203	Introductory Biology	4
CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
MTH111	College Algebra	4
MTH112	Trigonometry	4
MTH243	Intro to Probability and Statistics	4
MTH251	Calculus I Differential Calculus	4

or MTH251H	Calculus I w/Honors	
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5
PH203	Gen Physics III: Elect & Magnetism	5
PSY201	General Psychology	3
or PSY201H	General Psychology w/Honors	
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR227	Report Writing	3
1 Speech course ¹		3
3 Arts & Letters courses (two different prefixes)		9
3 Social Science courses (one not PSY prefix)		9
PE/Wellness courses ²		3

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

PHYSICS

Suggested courses to meet AA/OT requirements and electives

CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
MTH251	Calculus I Differential Calculus	4
or MTH251H	Calculus I w/Honors	
MTH252	Calculus II Integral Calculus	4
or MTH252H	Calculus II w/Honors	
MTH253	Calculus III	4
or MTH253H	Calculus III w/Honors	
MTH254	Vector Calculus I	4
or MTH254H	Vector Calculus I w/Honors	
MTH255	Vector Calculus II	4
MTH256	Differential Equations	4
PH211	Gen Physics w/Calculus I	5
PH212	Gen Physics w/Calculus II	5
PH213	Gen Physics w/Calculus III	5
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ¹		3
3 Arts & Letters courses (two different prefixes)		9
4 Social Science courses (two different prefixes)		12
PE/Wellness courses ²		3

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

POLITICAL SCIENCE

Suggested courses to meet AA/OT requirements and electives

CIS120	Concepts of Computing	4
MTH105	Math in Society	4
or MTH111	College Algebra	
PHL101	Introduction to Philosophy	3
PHL102	Ethics	3
PHL103	Intro to Logic and Critical Thnkg	3
PS201	American Government Political	3
PS202	American Government Policy Issues	3
PS203	Local Politics and Government	3
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
2nd year Foreign Language sequence		12
1 Speech course ¹		3
3 Lab Science courses		12
1 Social Science course (different prefix than PS)		3
PE/Wellness courses ²		3
Electives ³		22

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

³ Check transfer college/university requirements.

PSYCHOLOGY

Suggested courses to meet AA/OT requirements and electives

CIS120	Concepts of Computing	4
MTH105	Math in Society	4
MTH243	Intro to Probability and Statistics	4
PHL102	Ethics	3
PSY201	General Psychology	3
or PSY201H	General Psychology w/Honors	
PSY202	General Psychology	3
or PSY202H	General Psychology w/Honors	
PSY203	General Psychology	3
or PSY203H	General Psychology w/Honors	
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ¹		3
3 Lab Science courses (Biological or Physical)		12
2 Arts & Letters courses (one different prefix from PHL)		6
1 Social Science course (different prefix than PSY)		3
PE/Wellness courses ²		3
Electives ³		30

¹ Speech courses include SP 100, 111, 218, 219, excludes SP 220.

² PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

³ Check transfer college/university requirements. Recommended elective courses in Science, Math, and Psychology.

RELIGIOUS STUDIES

Suggested courses to meet AA/OT requirements and electives

CIS120	Concepts of Computing	4
GEOG105	Cultural Geography ¹	3
HST101	History of Western Civilization	3
HST102	History of Western Civilization	3
HST103	History of Western Civilization	3
HUM204	World Mythlgy & Religion ¹	3
HUM205	World Mythlgy & Religion ¹	3
HUM206	World Mythlgy & Religion ¹	3
MTH105	Math in Society	4
PHL102	Ethics	3
PHL103	Intro to Logic and Critical Thnkg	3
PSY201	General Psychology	3
or PSY201H	General Psychology w/Honors	
PSY202	General Psychology	3
or PSY202H	General Psychology w/Honors	
PSY203	General Psychology	3
or PSY203H	General Psychology w/Honors	
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ²		3
3 Lab Science courses		12
PE/Wellness courses ³		3
Electives ⁴		19

¹ Course meets the cultural diversity requirement.

² Speech courses include SP 100, 111, 218, 219, excludes SP 220.

³ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

⁴ Check transfer college/university requirements.

SOCIOLOGY

Suggested courses to meet AA/OT requirements and electives

CIS120	Concepts of Computing	4
ENG107	World Literature ¹	3
or ENG107H	World Literature w/Honors	
ENG108	World Literature ¹	3
ENG109	World Literature ¹	3
GEOG105	Cultural Geography ¹	3
HST201	History of the United States	3
HST202	History of the United States	3
HST203	History of the United States	3
MTH105	Math in Society	4
or MTH111	College Algebra	
MTH243	Intro to Probability and Statistics	4
SOC204	Introduction to Sociology	3

SOC205	Social Institutions and Change	3
SOC206	Social Problems and Issues	3
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
1 Speech course ²		3
3 Lab Science courses		12
1 Arts & Letters course (different prefix from ENG)		3
PE/Wellness courses ³		3
Electives ⁴		18

¹ Course meets the cultural diversity requirement.

² Speech courses include SP 100, 111, 218, 219, excludes SP 220.

³ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

⁴ Check transfer college/university requirements. Additional courses in ANTH, SOC, WS, or other social sciences recommended.

VETERINARY MEDICINE

Suggested courses to meet AA/OT requirements and electives

BI201	Introductory Biology	4
BI202	Introductory Biology	4
BI203	Introductory Biology	4
CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
MTH112	Trigonometry	4
MTH243	Intro to Probability and Statistics	4
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5
PH203	Gen Physics III: Elect & Magnetism	5
SP111	Fundamentals of Public Speaking	3
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
or WR227	Report Writing	
3 Arts & Letters courses (two different prefixes)		9
4 Social Science courses (two different prefixes)		12
PE/Wellness courses ¹		3
Electives ²		4

¹ PE/Wellness fulfilled with 3 credits of PE 185 or PE 231 or HE 250.

² Check transfer college/university requirements. Course in organic chemistry recommended.

Career Pathways

Career Pathways

Explore different career areas and develop skills to start a career. Most Career Pathway programs require **three** terms or less to complete!

Students earning Career Pathways are advised into a specific schedule of courses. The Pathways are linked with specific certificates and degrees. Completing a Career Pathway allows a student to move seamlessly into a Southwestern certificate or degree program. Alternatively, earning a Career Pathway Certificate provides the student with new skills and knowledge that broaden job search possibilities.

The Career Pathway programs are listed in the Programs A-Z list.

Explore your college options through Career Pathways at Southwestern!

What is a Career Pathway Certificate of Completion?

A Career Pathway Certificate of Completion is an Oregon community college credential comprised of 12-44 credits that are wholly contained in an approved Associate of Applied Science (AAS) degree/option or an independent Certificate of Completion (45+ credits). The Career Pathway Certificate provides a state-sanctioned credential for a course of study that: 1) acknowledges a specific skill proficiency to help students qualify for a job or enhanced employment opportunities; 2) is centered on the needs of students by providing educational options; and 3) provides the flexibility to achieve specific competencies within a longer term career path. These certificates lead to an AAS degree - or even beyond. For more information see the Career Pathway Certificate of Completion (<https://www.socc.edu/pathways>) webpage.

How do Students Enroll in a Pathway?

All courses included in a Pathway are college courses. Students register for courses through the usual Southwestern registration process.

See Southwestern's <https://mylakerlink.socc.edu/ICS/Admissions/>.

When are Courses Offered?

Courses included in Career Pathway Certificates of Completion are offered at a variety of times including daytime, evenings, and online. See Southwestern's Schedule of Classes (<https://mylakerlink.socc.edu/ics>).

How do Students Learn More?

Students can find more information about Southwestern certificates (<https://www.socc.edu/pathways>) by visiting the Student First Stop Center in Coos Bay, 541-888-7352; Curry, 541-469-5017.

Do Students Take a Placement Test?

Students who will be full-time, who will be pursuing a degree or certificate program, or receiving financial aid must complete the placement process prior to registration. The placement process determines the student's entry-level for reading, writing and math. Multiple components are considered to place students initially into college courses and a placement test may not be required.

If students have prior college work, have taken a placement test at another college, or have recent ACT or SAT scores, check with

Educational Support Programs and Services (<https://www.socc.edu/esps>) in Stensland Hall on the Coos Bay campus, 541-888-7405. Placement testing, if required, is offered at all Southwestern sites.

How do Students Pay for College Credit While in High School?

Check with the guidance counselor at your high school for specific options! These include College Now (<https://www.socc.edu/highschool>) options including: Dual Credit, Expanded Options, Enhanced Options, personal payment and other opportunities.

Are Employers Willing to Assist Employees in Attaining the Courses Necessary for the Certificate?

Some employers are willing to provide flexible schedules, partial tuition, and other support. For example, hospitals and other health care businesses are funding professional development at higher levels now than in previous years. Larger retail chains are willing to assist employees who show management potential. See the individual employer for more information.

Is Financial Aid Available for Students Studying Toward a Certificate?

Financial aid may be available. If you have any questions, please email the Financial Aid Office (fao@socc.edu) or call 541-888-7352.

How Much Does it Cost to Earn a Certificate?

The cost varies depending upon how many courses are in the certificate. The cost of tuition and fees (<https://www.socc.edu/admissions/tuition>) can be found on Southwestern's website.

For more information contact the Student First Stop Center (<https://www.socc.edu/firststop>) in Dellwood Hall or on the Brookings campus.

What is a Career Pathway Roadmap?

A Career Pathway Roadmap (<https://www.socc.edu/pathways/roadmapsaz>) is a graphic display of the path from the first Certificate of Completion to the two-year degree and beyond with career opportunities.

Certificate of Completion

A Certificate of Completion is awarded for a specific curriculum of fewer than 90 credits and is approved by the Office of Community Colleges and Workforce Development in accordance with the Higher Education Coordinating Commission (HECC) policy. Programs that are at least 45 credits are considered One-Year Certificates of Completion and are eligible for federal financial aid. Programs that are fewer than 45 credits are considered Less Than One-Year Certificates of Completion. These programs are state approved but may not be eligible for federal financial aid.

Graduation Requirements

- The One-Year Certificate of Completion will be awarded to students who satisfy the following requirements:
 - a. Complete the credit hours indicated with a minimum Grade Point Average (GPA) of 2.0 or better. Complete one credit-bearing course at Southwestern before the Certificate of Completion is awarded.
 - b. Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).
- The Less Than One-Year Certificate of Completion and Career Pathway Certificate of Completion will be awarded to students who satisfy the following requirements:
 - a. Complete the credit hours indicated with a minimum Grade Point Average (GPA) of 2.0 or better. Complete one credit-bearing course at Southwestern before the Certificate of Completion is awarded.
 - b. Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Accounting Clerk, Certificate of Completion

The Certificate of Completion Accounting Clerk is designed to prepare students to complete typical accounting clerk responsibilities such as journalizing, posting, assisting with tax, audit and other accounting procedures, preparing reports, communicating results and general office responsibilities.

Career opportunities include accounts payable clerk, accounts receivable clerk and data entry clerk for small and medium-sized service businesses.

All courses in the program transfer to the AAS Accounting as a part of a Career Pathway, to view the Career Pathway click here (<https://www.socc.edu/pathways/roadmapsaz/140-accounting-roadmap>).

Gainful Employment Disclosure

Southwestern is required by federal regulations to disclose information related to the College's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with certificate programs.

Gainful employment information for the Certificate of Completion Accounting Clerk (<https://www.socc.edu/images/ge/accounting.html>) can be found online.

Graduation Requirements

Students must complete a minimum of 49 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. One course must be completed at Southwestern before the Certificate of Completion Accounting Clerk is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH20	Basic Mathematics	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
Fall		
BA101	Introduction to Business	4
BA211	Principles of Accounting I	4
BA284	Job Readiness	1
CIS120	Concepts of Computing	4

WR115	Introduction to Expository Writing (or higher)	3
Credits		16
Winter		
BA120	Leadership Development ¹	3
BA212	Principles of Accounting II	4
BA222	Finance	3
CIS125S	Spreadsheet Applications	3
MTH82	Business Mathematics ²	4
Credits		17
Spring		
BA206	Management Fundamentals	3
BA213	Principles of Accounting III	4
BA217	Accounting Process	3
BA240	Fund Accounting Governmental	3
SP219	Small Group Discussion ³	3
Credits		16
Total Credits		49

¹ BA110 Group Dynamics for Teams, BA285 Human Relations in Organizations; PSY100 Introduction to Psychology, PSY201 General Psychology, PSY201H General Psychology w/Honors, PSY203 General Psychology, or PSY203H General Psychology w/Honors may be substituted for BA120 Leadership Development.

² MTH60 Algebra I, MTH65 Algebra II, MTH95 Intermediate Algebra or higher may be substituted for MTH82 Business Mathematics.

³ SP100 Basic Speech Communications or higher may be substituted for SP219 Small Group Discussion.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate an ability to organize workloads to meet reporting deadlines.
- Analyze and record transactions including general accounting transactions and payroll accounting.
- Prepare financial reports using select small business computerized accounting software and spreadsheet programs.
- Communicate effectively in a professional accounting workplace environment.
- Identify and appraise situations in professional accounting where the applications of ethical judgements are required.

Accounting Clerk, Entry-Level, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Entry-Level Accounting Clerk provides students with a basic understanding of accounting principles and procedures, computers and accounting software. Upon completion of this certificate, a student will be able to successfully complete on-the-job training for business positions requiring basic accounting clerk responsibilities such as journalizing, posting, assisting with taxes, audit, and other accounting procedures, preparing reports, communicating results and general office responsibilities.

All courses in the program transfer to the Certificate of Completion Accounting and the AAS Accounting as a part of a Career Pathway. Click here (<https://www.socc.edu/pathways/roadmapsaz/140-accounting-roadmap>) to learn how this Career Pathway Certificate can lead to an AAS in Accounting.

Graduation Requirements

Students must complete a minimum of 14 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Accounting Clerk Entry-Level is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH60	Algebra I	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
BA101	Introduction to Business	4
BA211	Principles of Accounting I	4
	Credits	8
Winter		
CIS125S	Spreadsheet Applications	3
	Credits	3
Spring		
BA217	Accounting Process	3
	Credits	3
	Total Credits	14

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Analyze and record transactions including general accounting transactions and payroll accounting.
- Prepare financial reports using select small business computerized accounting software and spreadsheet programs.
- Communicate effectively in a professional accounting workplace environment.

Accounting, Associate of Applied Science

The Associate of Applied Science (AAS) Accounting degree is designed to prepare students for entry-level positions in a variety of accounting-related positions in small businesses, governmental agencies and public accounting firms. The program offers students the opportunity to gain a combination of knowledge and practical hands-on experience in accounting. The program includes accounting and business-specific classes as well as a range of supporting courses designed to strengthen the students' self-assurance and leadership qualities.

Students completing the AAS Accounting will be prepared to maintain the accounting records of a business, analyze financial reports, or may be responsible for specific areas such as budgeting, accounts payable, payroll, or accounts receivable. This degree also prepares students for occupations such as full-charge bookkeeper, GS8 Accountant I, data-entry clerk, financial staff accountant, cost accountant, and general office clerk.

An AAS Accounting is part of a Career Pathway. To see how this program links to others in the Pathway click here (<https://www.socc.edu/pathways/roadmapsaz/140-accounting-roadmap>).

Graduation Requirements

Students must complete a minimum of 93 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AAS Accounting degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

WR90	Paragraph Fundamentals	3-4
or WR90R	Academic Literacy	
MTH20	Basic Mathematics	4
CIS90	Computer Basics	2

Program Guide

Course	Title	Credits
First Year		
Fall		
BA101	Introduction to Business	4
BA211	Principles of Accounting I	4
BA284	Job Readiness	1
CIS120	Concepts of Computing	4
WR115	Introduction to Expository Writing	3
	Credits	16
Winter		
BA120	Leadership Development ¹	3
BA212	Principles of Accounting II	4

BA222	Finance	3
CIS125S	Spreadsheet Applications	3
MTH82	Business Mathematics ²	4
	Credits	17
Spring		
BA206	Management Fundamentals	3
BA213	Principles of Accounting III	4
BA217	Accounting Process	3
BA240	Fund Accounting Governmental	3
SP219	Small Group Discussion ³	3
	Credits	16
Second Year		
Fall		
BA230	Business Law	4
ECON201	Microeconomics	4
CIS125W	Word Processing Applications	3
Select a course from specific electives ⁴		3
	Credits	14
Winter		
BA205	Solving Communication Problems	4
BA220	Tax Accounting	3
ECON202	Macroeconomics	4
Select a course from specific electives ⁴		3
	Credits	14
Spring		
BA177	Payroll Records and Accounting	3
BA277 or PHL102	Business Ethics or Ethics	3
AC280	CWE: Accounting	4
PE231	Wellness for Life ⁵	3
Select a course from specific electives ⁴		3
	Credits	16
	Total Credits	93

¹ BA110 Group Dynamics for Teams, BA285 Human Relations in Organizations, PSY100 Introduction to Psychology, PSY201 General Psychology, PSY201H General Psychology w/Honors, PSY203 General Psychology, or PSY203H General Psychology w/Honors may be substituted for BA120 Leadership Development.

² MTH60 Algebra I, MTH65 Algebra II, MTH95 Intermediate Algebra or higher may be substituted for MTH82 Business Mathematics.

³ SP100 Basic Speech Communications or higher may be substituted for SP219 Small Group Discussion.

⁴ Specific Electives: Any CS/CIS, BA, AC course not required for the degree; OA121 Beginning Keyboarding, OA124 Keyboard Skill Building, OA220 Electronic Calculators; MTH65 Algebra II, MTH95 Intermediate Algebra, or higher; WR227 Report Writing.

⁵ Three (3) credits of PE185 sport/activity courses or HE250 Personal Health may be substituted for PE231 Wellness for Life.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Communicate effectively in oral and written forms in a business environment.
- Practice within the legal and ethical frameworks of a given business or industry.
- Participate in learning opportunities that contribute to personal and professional growth.
- Adequately identify and record business transactions.
- Verify accuracy of accounting data.
- Make basic decisions regarding accounting functions.
- Produce basic financial statements (e.g. balance sheets, income statements, cash flows).
- Prepare budgets, payroll, and other quarterly tax reports.
- Communicate effectively with tax and accounting professionals.
- Effectively and efficiently use current and emerging technologies and software to solve workplace problems.
- Interact effectively with co-workers in ways that contribute to the organization's goals and your advancement in business opportunities.

Administrative Assistant, Career Pathway Certificate of Completion

The Career Pathways Certificate of Completion: Administrative Assistant is a one-year certificate to prepare students for immediate employment in a variety of industries, such as health care, finance, construction, and technical services. Graduates will have obtained skills most often requested by employers, including written and oral communication, organization, customer service, problem solving, and computer proficiency, including Microsoft Word and Excel.

Click here (<https://www.socc.edu/pathways/roadmapsaz/152-administrative-office-professional>) to learn how this Career Pathway Certificate can lead to earning an AAS Administrative Office Professional.

Graduation Requirements

Students must complete a minimum of 42 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Administrative Assistant is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS120	Concepts of Computing	4
MTH20	Basic Mathematics	4
OA121	Beginning Keyboarding	3
WR90 or WR90R	Paragraph Fundamentals Academic Literacy	3-4

Program Guide

Course	Title	Credits
First Year		
Fall		
BA284	Job Readiness	1
CIS125W	Word Processing Applications	3
MTH98 or MTH82	Math Literacy or Business Mathematics	4
OA124	Keyboard Skill Building	3
WR115 or WR121	Introduction to Expository Writing or English Composition	3
Credits		14
Winter		
BA285	Human Relations in Organizations	3
CIS125DW or CIS125DB	Computer Applications: Dreamweaver or Database Applications	3
CIS125S	Spreadsheet Applications	3
CIS135W	Advanced Word Processing	3

OA220	Electronic Calculators	1
Credits		13
Spring		
BA205	Solving Communication Problems	4
BA280	CWE: Business Admin	2
OA116	Office Procedures	3
OA205	Proofreading and Editing	3
OA240	Filing and Records Management	3
Credits		15
Total Credits		42

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Use computers and office equipment proficiently.
- Organize and protect information resources to meet business needs.
- Perform routine bookkeeping tasks for a small sole proprietorship, partnership, or corporation, including payroll.
- Diplomatically, tactfully, and respectfully interact with diverse populations.
- Integrate use of contemporary software tools to organize and complete specialized tasks.
- Research technical issues using library, Internet, and specialized reference works.
- Demonstrate effective time management techniques.
- Model professional and ethical behaviors.

Administrative Office Professional, Associate of Applied Science

The Associate of Applied Science (AAS) Administrative Office Professional degree prepares the student for entry into administrative office positions leading to increasing levels of managerial responsibilities. These positions have titles such as: Administrative assistant, secretary, office assistant, and support specialist.

The program provides a strong foundation of office and technology skills as well as coursework in business communications, business theory, interpersonal relations, and business law. Program emphasis is placed on preparing the student to perform complex tasks including the integration of workplace skills that emphasize communication, teamwork, project management, and problem-solving.

This degree is a statewide program that provides connected instruction and pathways for completion between participating Oregon community colleges. Students may start at Southwestern, but complete and transfer credits to any of the participating colleges. Consult an advisor for complete information.

Students may choose to enter the program by completing one of four certificates within the Career Pathway. To see how this program links to others in the Pathway click here (<https://www.socc.edu/pathways/roadmapsaz/152-administrative-office-professional>).

Graduation Requirements

Students must complete a minimum of 91 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a grade of 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AAS Administrative Office Professional degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply winter).

Note: There are four (4) separate paths to an AAS Administrative Office Professional degree.

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics	2
MTH20	Basic Mathematics	4
OA121	Beginning Keyboarding	3
WR90 or WR90R	Paragraph Fundamentals Academic Literacy	3-4

Program Guide

Course	Title	Credits
First Year		
Fall		
BA285	Human Relations in Organizations	3
CIS120	Concepts of Computing	4
CIS125W	Word Processing Applications	3
OA124	Keyboard Skill Building	3

OA220	Electronic Calculators	1
Credits		14
Winter		
AC2764 or BA212	Small Business Accounting or Principles of Accounting II	4
BA101	Introduction to Business	4
BA288	Customer Service	3
MTH82	Business Mathematics ¹	4
OA240	Filing and Records Management	3
Credits		18
Spring		
BA206	Management Fundamentals	3
BA217	Accounting Process	3
CIS135W	Advanced Word Processing	3
OA116	Office Procedures	3
WR121 or WR121H	English Composition ² or English Composition w/Honors	3
Credits		15
Second Year		
Fall		
BA230	Business Law	4
BA284	Job Readiness	1
OA205	Proofreading and Editing	3
PE231	Wellness for Life ³	3
Specific Electives ⁴		3
Credits		14
Winter		
BA205	Solving Communication Problems	4
CIS125S	Spreadsheet Applications	3
SP111	Fundamentals of Public Speaking ⁵	3
Specific Electives ⁴		6
Credits		16
Spring		
BA224	Human Resource Management	3
CIS235	Integrated Computer Projects	4
OA280B	CWE: Office Admin AAS AOP	4
Specific Electives ⁴		3
Students must complete 91 credits or more to graduate.		
Credits		14
Total Credits		91

¹ MTH60 Algebra I, MTH65 Algebra II, MTH95 Intermediate Algebra or higher may be substituted for MTH82 Business Mathematics.

² WR115 Introduction to Expository Writing may be substituted for WR121 English Composition.

³ HE250 Personal Health or three (3) credits of PE185 sport/activity courses may be substituted for PE231 Wellness for Life.

⁴ Specific Electives: Select from any 100 level or higher AC, BA, CIS, CS, PSY, SOC, WR227 Report Writing or any MTH except MTH20 Basic Mathematics not otherwise required by the degree.

⁵ SP100 Basic Speech Communications, SP218 Interpersonal Communication, or SP219 Small Group Discussion may be substituted for SP111 Fundamentals of Public Speaking.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Apply human relations, organizational development, and critical thinking skills to solve problems in an office setting.
- Compose, proofread, and produce a wide range of business documents using appropriate software and equipment.
- Follow professional business procedures and standards.
- Store, retrieve, distribute, and manage information to support office and management personnel.
- Integrate computer, computation, communication, and critical thinking skills to accomplish complex office tasks and solve problems.
- Apply knowledge of the internal organization and management of an office.
- Work both independently and as part of a team.

Associate of Applied Science (AAS) Career Technical Programs

The Associate of Applied Science (AAS) is a state-approved Associate's degree that is intended to prepare graduates for direct entry into the workforce. An AAS may also help to prepare students for career advancements, occupational licensure, or further study toward a bachelor's degree.

The program is fully articulated with Southern Oregon University's (SOU) Bachelor of Applied Science in Management program and allows students to transfer and become admitted into the School of Business at SOU with no loss of credits to pursue a bachelor's degree. See the details of the articulation on the University Center (<https://www.socc.edu/uc/souc-programs>)'s webpage.

Graduation Requirements

Complete a minimum of 90 credits of specified courses (see individual curriculum for listing) with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in the program must be completed with a 'C' grade or better. Twenty-four (24) credits must be completed at Southwestern before the AAS degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Related Instruction

Courses must be selected from the approved list of Related Instruction (General Education) courses. All Related Instruction (General Education) courses must be completed with a grade of 'C' or better.

Health, Wellness and Fitness

Three (3) credit hours of Health/Physical Education: PE185 sport/activity courses (3 courses) or one (1) three-credit course from HE250 Personal Health or PE231 Wellness for Life.

Three (3) credit hours of PE185 sport/activity courses may be granted toward an AAS degree for completion of military basic training. A copy of the military transcript or DD-214 is required.

A maximum of six (6) credits of PE185 sport/activity courses may be applied to the AAS degree.

Writing

Three (3) credits of writing at a level equivalent to WR 115 or higher:

WR115	Introduction to Expository Writing	3
WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3

Communication

Three (3) credit hours at a level equivalent to SP 100 or higher:

SP100	Basic Speech Communications	3
SP111	Fundamentals of Public Speaking	3
SP218	Interpersonal Communication	3

SP219	Small Group Discussion	3
SP220	Gender and Communication	3

Computation

Three to four (3-4) credit hours at a level equivalent to MTH 60 or higher:

MTH60	Algebra I	4
MTH65	Algebra II	4
MTH80	Technical Mathematics I	4
MTH81	Applied Mathematics for Culinary	4
MTH82	Business Mathematics	4
MTH98	Math Literacy	4
MTH105	Math in Society	4
MTH111	College Algebra	4
or MTH111H	College Algebra w/Honors	
MTH112	Trigonometry	4
or MTH112H	Trigonometry w/Honors	
MTH212	Fundamentals of Elementary	4
MTH213	Fundamentals of Elementary	4
MTH231	Elements of Discrete Mathematics I	4
MTH232	Elements of Discrete Mathematics II	4
MTH241	Calculus for Bus and Soc Science I	4
MTH242	Calculus for Bus and Soc Science II	4
MTH243	Intro to Probability and Statistics	4
MTH251	Calculus I Differential Calculus	4
or MTH251H	Calculus I w/Honors	
MTH252	Calculus II Integral Calculus	4
or MTH252H	Calculus II w/Honors	
MTH253	Calculus III	4
or MTH253H	Calculus III w/Honors	
MTH254	Vector Calculus I	4
MTH255	Vector Calculus II	4
MTH256	Differential Equations	4
MTH260	Matrix Methods and Linear Algebra	4

Human Relations

Three (3) credit hours or as specified in the AAS degree program:

BA110	Group Dynamics for Teams	3
BA120	Leadership Development	3
BA285	Human Relations in Organizations	3
PSY100	Introduction to Psychology	4
PSY201	General Psychology	3
or PSY201H	General Psychology w/Honors	
PSY203	General Psychology	3
or PSY203H	General Psychology w/Honors	

Digital Literacy

Four (4) credit hours:

CIS120	Concepts of Computing	4
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Complete the Above Requirements Plus Electives

The balance of the requirements may not be a pre-program course to the degree/program requirements and may not include remedial or developmental courses. Pre-program courses are listed before the year courses.

Supportive Courses

Note: The College has determined that the following supportive courses may be necessary to assist students to successfully complete their program; they count as electives only.

CIS125W	Word Processing Applications	3
HD0529	Math Success	1
HD100	College Success and Survival	3
HD111	Math Success	2
HD112	Study Skills	3
HD113	Stop Test Anxiety Now	1
HD140	Career/Education Exploration	1
HD147	Decision Making	1
HD152	Stress Management	1
HD154	Self-Esteem	1
HD204	Living Consciously	3
HD208	Career/Life Plan	3
HD215	Transfer Success	1
LIB127	Navigating the 24/7 Library	1
OA121	Beginning Keyboarding	3

Note: A maximum number of 45 credits is allowed for basic, developmental, or supportive courses under federal financial aid guidelines.

Associate of Arts/Oregon Transfer (AA/OT)

The Associate of Arts/Oregon Transfer (AA/OT) degree is a program of study that community college students can follow to fulfill all their lower division general education requirements for a bachelor's degree at Oregon Public Universities. Completion of the AA/OT degree can lead to junior standing, for registration purposes, for any student admitted to a public university in Oregon (University of Oregon, Oregon State University, Portland State University, Western Oregon University, Southern Oregon University, Oregon Institute of Technology and Eastern Oregon University).

The AA/OT does not necessarily meet specific institutional, departmental, or major requirements with regard to courses or grade point average. Students may transfer between 90 and 124 community college credits to four-year Oregon public institutions. Students should plan carefully with the four-year institution to which they plan to transfer in order to meet individual institutional requirements. Students considering transfer to private and out-of-state institutions will find the AA/OT to be excellent preparation for upper division study. Please contact the University Center (<https://www.socc.edu/uc>) for specific transfer requirements.

Upon enrolling at Southwestern, students need to be ready for college-level mathematics, writing and science in order to complete the AA/OT in two years. If students lack the necessary skills, Southwestern offers excellent developmental courses and tutorial assistance to help them get on track quickly.

The AA/OT degree is designed for students planning to transfer into a bachelor's degree program at an Oregon public university. These universities accept the AA/OT as a "block transfer," enabling a student to enter with junior standing having all of the transfer school's lower division general education requirements met. The AA/OT offers students the flexibility to choose courses that interest them while fulfilling requirements at their transfer schools.

Several Oregon private institutions and a limited number of out-of-state institutions also accept the AA/OT. These include Concordia University, Pacific University, Warner Pacific College, George Fox University and Marylhurst University in the Portland area, as well as Western Baptist College, BYU - Hawaii, Hawaii Pacific University, Boise State University, Seattle Pacific University, and Washington State University.

It is important to note that the AA/OT may not be the best degree option for all majors. Students should consult advisors in their major areas for educational planning related to required courses in their majors.

Graduation Requirements

Complete a minimum of 90 credit hours, distributed across general education categories listed below. All courses must be passed with a grade of 'C' or better. Students must have a minimum cumulative GPA of 2.0 at the time the AA/OT is awarded. Twenty-four (24) credits must be completed at Southwestern before the AA/OT degree is awarded.

Successfully complete the following courses (except for elective credits) from the list of approved general education courses for the AA/OT degree.

Students may take any college-level course that would bring total credits to 90 quarter hours, including up to 12 credits of college-designated career and technical education (CTE) courses. Note: Some courses are

considered career technical courses and have limitations within this degree, they are designated with "CTE" next to the course number in the Course Descriptions area of this catalog. A maximum of nine (9) credits of PE185 sport/activity courses may be applied to the AA/OT degree.

Courses that are developmental in nature (designed to prepare students for college transfer courses) are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Foundational Requirements

All courses must be completed with a grade of 'C' or better.

Writing

Three (3) courses from:

WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
WR227	Report Writing	3

Mathematics

One (1) course from:

MTH105	Math in Society (with a prerequisite of MTH98)	4
MTH111	College Algebra (or higher with a prerequisite of MTH95, excluding MTH211)	4
or MTH111H	College Algebra w/Honors	

Communication

One (1) course from:

SP100	Basic Speech Communications	3
SP111	Fundamentals of Public Speaking	3
SP218	Interpersonal Communication	3
SP219	Small Group Discussion	3

Health, Wellness and Fitness

Three (3) credits of PE185 sport/activity courses or HE250 Personal Health or PE231 Wellness for Life.

Discipline Studies Requirements

All courses must be completed with a grade of 'C' or better.

Arts and Letters

Three (3) courses chosen from two (2) or more disciplines:

ART115	Basic Design I, Intro to Elements	4
ART116	Basic Design II, Color Theory	4
ART117	Basic Design III, Intro to 3D Design	4
ART131	Introduction to Drawing I	3
ART132	Introduction to Drawing II	3
ART133	Introduction to Drawing III	3
ART191	Beginning Sculpture	3

PSY231	Human Sexuality	3	CHEM110	Found of Gen, Organic & Biochem	4
PSY237	Life Span Development	3	or CHEM110H	Fnds of Gen, Org & Biochem w/Honors	
PSY239	Introduction to Abnormal Psychology	3	CS160	Computer Science Orientation	4
PSY243	Drugs and Behavior	3	CS161	Introduction to Computer Science I	4
SOC105	Introduction to Criminology	4	CS162	Introduction to Computer Science II	4
SOC204	Introduction to Sociology	3	CS261	Data Structures	4
SOC205	Social Institutions and Change	3	ENV110	Introduction Environmental Science	3
SOC206	Social Problems and Issues	3	G146	Geology of Southwestern Oregon	3
SOC208	Sociology of Sport	3	G207	Geology of the Pacific Northwest	3
SOC210	Marriage and Family	3	G221	General Geology	3
SOC213	Racial and Ethnic Relations	3	G246	Geological Hazards	3
WS101	Introduction to Women's Studies	3	MTH105	Math in Society	4

Science/Mathematics/Computer Science

Four (4) courses from two (2) or more disciplines including at least three (3) laboratory courses in biological and/or physical science.

Laboratory Courses

BI101	General Biology	4	MTH105	Math in Society	4
BI102	General Biology	4	MTH111	College Algebra	4
BI103	General Biology	4	or MTH111H	College Algebra w/Honors	
BI142	Habitats: Marine Biology	4	MTH112	Trigonometry	4
BI201	Introductory Biology	4	or MTH112H	Trigonometry w/Honors	
BI202	Introductory Biology	4	MTH212	Fundamentals of Elementary	4
BI203	Introductory Biology	4	MTH213	Fundamentals of Elementary	4
BI231	Human Anatomy and Physiology I	4	MTH231	Elements of Discrete Mathematics I	4
BI232	Human Anatomy and Physiology II	4	MTH232	Elements of Discrete Mathematics II	4
BI233	Human Anatomy and Physiology III	4	MTH241	Calculus for Bus and Soc Science I	4
BI234	Microbiology	4	MTH242	Calculus for Bus and Soc Science II	4
CHEM221	General Chemistry I	5	MTH243	Intro to Probability and Statistics	4
CHEM222	General Chemistry II	5	MTH251	Calculus I Differential Calculus	4
CHEM223	General Chemistry III	5	or MTH251H	Calculus I w/Honors	
CHEM245	Organic Chemistry I	4	MTH252	Calculus II Integral Calculus	4
CHEM246	Organic Chemistry II	4	or MTH252H	Calculus II w/Honors	
CHEM247	Organic Chemistry III	4	MTH253	Calculus III	4
ENV235	Introduction to Soil Science	4	or MTH253H	Calculus III w/Honors	
G201	Physical Geology I	4	MTH254	Vector Calculus I	4
G202	Physical Geology II	4	MTH255	Vector Calculus II	4
G203	Historical Geology	4	MTH256	Differential Equations	4
GS104	Physical Science	4	MTH260	Matrix Methods and Linear Algebra	4
GS105	Physical Science	4			
GS106	Introduction to Earth Science	4			
GS107	Astronomy	4			
GS108	Oceanography	4			
PH201	Gen Physics I: Mechanics	5			
PH202	Gen Physics II: Heat, Waves, Rel	5			
PH203	Gen Physics III: Elect & Magnetism	5			
PH211	Gen Physics w/Calculus I	5			
PH212	Gen Physics w/Calculus II	5			
PH213	Gen Physics w/Calculus III	5			

Other Approved Courses

BI140	Practical Ecology	3	ANTH221	Intro to Cultural Anthropology	3
BI149	Introduction to Human Genetics	3	ANTH222	Intro to Cultural Anthropology	3
			ANTH223	Intro to Cultural Anthropology	3
			ANTH224	Intro to Medical Anthropology	3
			ANTH230	Native North Americans: Oregon	3
			ANTH231	Native North Americans: PNW	3
			ANTH232	Native North Americans	3
			ED258	Multicultural Education	3
			ENG107	World Literature	3
			or ENG107H	World Literature w/Honors	
			ENG108	World Literature	3
			ENG109	World Literature	3
			GEOG105	Cultural Geography	3
			HDFS140	Contemporary American Families	3

Cultural Literacy

Students must select one course from any of the discipline studies that is designated as meeting the statewide criteria for cultural literacy. Courses below meet the Cultural Literacy requirement.

HUM204	World Mythlgy & Religion	3
HUM205	World Mythlgy & Religion	3
HUM206	World Mythlgy & Religion	3
HST104	History of the Middle East	3
MUS205	Intro to Jazz History	3
MUS206	Intro to History of Rock and Roll	3
PSY216	Social Psychology	3
PSY231	Human Sexuality	3
SOC208	Sociology of Sport	3
SOC210	Marriage and Family	3
SOC213	Racial and Ethnic Relations	3
SP220	Gender and Communication	3
WS101	Introduction to Women's Studies	3

Electives

- All courses must be completed with a grade of 'C' or better.
- Students may take any college-level course that would bring total credits to 90 quarter hours including up to 12 credits of college designated Career and Technical Education courses.
- *A maximum of nine (9) credits of any PE185 sport/activity courses may be applied to the AA/OT degree.*
- *Three (3) credit hours of PE185 may be granted toward the AA/OT degree for completion of military basic training. A copy of the military transcript or DD-214 is required.*
- *Courses numbered 199/299 will qualify as elective credit only.*

Supportive Courses

Note: The College has determined that the following supportive courses may be necessary to assist students to successfully complete their program; they count as electives only.

CIS125W	Word Processing Applications	3
HD0529	Math Success	1
HD100	College Success and Survival	3
HD111	Math Success	2
HD112	Study Skills	3
HD113	Stop Test Anxiety Now	1
HD140	Career/Education Exploration	1
HD147	Decision Making	1
HD152	Stress Management	1
HD154	Self-Esteem	1
HD204	Living Consciously	3
HD215	Transfer Success	1
HD208	Career/Life Plan	3
LIB127	Navigating the 24/7 Library	1
OA121	Beginning Keyboarding	3
RD101	College Reading I	1-3
RD102	College Reading II	1-3
RD103	College Reading III	1-3

A maximum of 45 credits is allowed for basic, developmental, or supportive courses under federal financial aid guidelines.

Program Notes

1. Community colleges may not add requirements at the local level. The total credits should not exceed the number required to meet these course requirements within the College's credit structure.
2. Writing courses must meet the specific course outcomes as identified by Oregon Writing and English Advisory Council (OWEAC). In addition, the group of courses that is sufficient for meeting this requirement must, together, provide all of the content recommended by the OWEAC, including a research component.
3. Although they are important in terms of preparation, courses that are developmental in nature are designed to prepare students for college-level work and are not counted in the 90-quarter hours required for the AA/OT.
4. The "Foundational Requirements" above represent minimal skill competencies. As such, they may be open to demonstration of competency. Each community college is encouraged to establish how students may demonstrate competency in lieu of completing the course(s).
5. Computer Science courses used in the Science/Math/Computer Science area must meet Oregon Council of Computer Chairs criteria for a science course. Math courses listed in the Science/Math/Computer Science area must meet the outcomes and criteria for Mathematics.
6. All Foundational Requirement courses and Discipline Studies courses must meet the statewide outcomes and criteria for the specific area.
7. Only second year foreign language courses may be included among courses that count toward the Arts and Letters requirement. American Sign Language (ASL) is considered a foreign language.
8. WR115 may be included in the AA/OT degree as an elective.
9. The principal advantage of the AA/OT is that it fulfills the lower division (freshman/sophomore) general education requirements for bachelor's degrees at all Oregon public universities. It does not necessarily meet all of the degree requirements that Oregon public universities might have beyond the requirements for majors. The AA/OT guarantees that all general education credits that a student earned will be accepted as the general education requirements at the receiving institution.
10. In some cases, students may also be able to use AA/OT general education courses to meet certain lower division requirements in their intended majors. However, caution is required since the AA/OT degree was not intended for this purpose. Students who have a major in mind and also want to maximize the amount of AA/OT coursework that will count toward it, should work closely with an academic advisor and/or the University Center (<https://www.socc.edu/uc>) when designing their AA/OT degrees.
11. Because the amount of coursework required for an AA/OT degree corresponds to two academic years, degree recipients are considered juniors for purposes of registration at an Oregon public universities. Students should keep in mind, however, that the AA/OT does not guarantee that two additional years will suffice to earn a bachelor's degree, that is because the AA/OT does not give students junior-standing in their majors. Neither does it guarantee entrance into a competitive major. Students may need to take additional introductory work to prepare for certain majors and should check with an advisor regarding availability at their local community colleges. In addition, it's common for students to change their majors and find that they must go back and take introductory work in the new area.
12. Students and academic advisors should recognize that although the AA/OT provides an excellent structure for many students—

particularly those who are unsure of their primary academic focus –it is not ideal for everyone. In particular, it does not articulate well with certain majors such as engineering, biological and physical sciences, and the fine and performing arts. Students contemplating these majors cannot easily accommodate their highly-specific prerequisite coursework into the AA/OT framework. In general, an AA/OT recipient who is pursuing any course of study that is credit-heavy at the major lower division level may have to take additional lower division coursework, specific to the major, after transfer. Students contemplating such majors should consult closely with an advisor and/or the University Center (<https://www.socc.edu/uc>).

13. When transferring courses to a university that include CLEP, Challenge, Credit for Prior Learning (CPL), or other non-traditionally earned credits, the student should talk with the university about transferability.

Associate of General Studies (AGS)

The purpose of the Associate of General Studies (AGS) degree is to provide students an opportunity to pursue a broad general education during the two years at a community college. It is intended as a flexible program for the student who is not pursuing a specified curriculum in the lower division transfer or career technical areas. The AGS degree may, in addition to including the number of hours in the divisional areas as listed below, include courses in lower division collegiate transfer and career technical education. Because of the flexibility and broad approach of this degree, a student may find that it may not fulfill all of the requirements of full junior standing when transferred to a four-year institution.

This flexible degree option enables a student to complete an associate's degree that is tailored to the general education requirements of the transfer school. Students must exercise caution in using the AGS option, as the degree does not guarantee transferability of courses completed. Educational planning for the AGS should be done with the help of an advisor.

Graduation Requirements

Complete a minimum of 90 credit hours of specified courses with a minimum Grade Point Average (GPA) of 2.0 or better. Twenty-four (24) credits must be completed at Southwestern before the AGS degree is awarded. In addition to the General Education Requirements and the Distribution Requirements, students must complete enough elective courses to reach a total of 90 credits. All courses must be numbered 100 or above to counts towards an AGS degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

General Education Requirements

Writing

Two (2) courses at a level equivalent to courses below:

WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	

Communication

One (1) course in speech at a level equivalent to SP100 Basic Speech Communications or higher.

Mathematics

One (1) course of college level mathematics from MTH105 Math in Society or higher, excluding MTH211 Fundamentals of Elementary.

Health, Wellness and Fitness

Three (3) credits of PE185 sport/activity or choose one (1) three-credit course from HE250 Personal Health or PE231 Wellness for Life.

Digital Literacy

One (1) course from:

CIS120	Concepts of Computing	4
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Distribution Requirements

Arts and Letters

Three (3) courses from:

Note: A second year foreign language may be included, but not first year.

ART115	Basic Design I, Intro to Elements	4
ART116	Basic Design II, Color Theory	4
ART117	Basic Design III, Intro to 3D Design	4
ART131	Introduction to Drawing I	3
ART132	Introduction to Drawing II	3
ART133	Introduction to Drawing III	3
ART191	Beginning Sculpture	3
ART192	Beginning Sculpture	3
ART204	History of Western Art:	3
ART205	History of Western Art:	3
ART206	History of Western Art:	3
ART225	Computer Art I	3
ART244	Bronze Casting	3
ART253	Ceramics I	3
ART256	Ceramics II	3
ART281	Painting I Beginning	3
ART282	Painting II Beginning	3
ART283	Painting III Beginning	3
ART284	Painting I Intermediate	3
ART285	Painting II Intermediate	3
ART286	Painting III Intermediate	3
ASL201	2nd Yr American Sign Language I	4
ASL202	2nd Yr American Sign Language II	4
ASL203	2nd Yr American Sign Language III	4
ENG104	Introduction to Literature Fiction	3
ENG105	Introduction to Literature Drama	3
ENG106	Introduction to Literature Poetry	3
ENG107	World Literature	3
or ENG107H	World Literature w/Honors	
ENG108	World Literature	3
ENG109	World Literature	3
ENG201	Shakespeare	3
ENG204	Survey of English Literature	3
or ENG204H	Survey of English Lit w/Honors	
ENG205	Survey of English Literature	3
ENG206	Survey of English Literature	3
HUM204	World Mythlgy & Religion	3
HUM205	World Mythlgy & Religion	3
HUM206	World Mythlgy & Religion	3
J203	Writing for Media I	3
J205	Writing for Media II	3
J215	Publishing Lab	3
MUS101	Music Fundamentals	3
MUS111	Music Theory I	3
MUS112	Music Theory II	3
MUS113	Music Theory III	3
MUS201	Intro to Music and its Literature	3

MUS202	Intro to Music and its Literature	3	PS202	American Government Policy Issues	3
MUS203	Intro to Music and its Literature	3	PS203	Local Politics and Government	3
MUS205	Intro to Jazz History	3	PSY100	Introduction to Psychology	4
MUS206	Intro to History of Rock and Roll	3	PSY201	General Psychology	3
MUS211	Advanced Music Theory I	3	or PSY201H	General Psychology w/Honors	
MUS212	Advanced Music Theory II	3	PSY202	General Psychology	3
MUS213	Advanced Music Theory III	3	or PSY202H	General Psychology w/Honors	
PHL101	Introduction to Philosophy	3	PSY203	General Psychology	3
PHL102	Ethics	3	or PSY203H	General Psychology w/Honors	
PHL103	Intro to Logic and Critical Thnkg	3	PSY216	Social Psychology	3
SP100	Basic Speech Communications	3	PSY228	Introduction to Social Science	3
SP111	Fundamentals of Public Speaking	3	PSY231	Human Sexuality	3
SP218	Interpersonal Communication	3	PSY237	Life Span Development	3
SP219	Small Group Discussion	3	PSY239	Introduction to Abnormal Psychology	3
SP220	Gender and Communication	3	SOC105	Introduction to Criminology	4
SPAN201	Second Year Spanish	4	SOC204	Introduction to Sociology	3
SPAN202	Second Year Spanish	4	SOC205	Social Institutions and Change	3
SPAN203	Second Year Spanish	4	SOC206	Social Problems and Issues	3
WR241	Imaginative Creative Writing	3	SOC208	Sociology of Sport	3
WR242	Imaginative Writing Poetry Writing	3	SOC210	Marriage and Family	3
WR243	Imaginative Writing Explorations	3	SOC213	Racial and Ethnic Relations	3
			WS101	Introduction to Women's Studies	3

Social Sciences

Three (3) courses from:

ANTH101	Physical Anthropology and Evolution	3
ANTH102	Introduction to Archaeology	3
ANTH221	Intro to Cultural Anthropology	3
ANTH222	Intro to Cultural Anthropology	3
ANTH223	Intro to Cultural Anthropology	3
ANTH224	Intro to Medical Anthropology	3
ANTH230	Native North Americans: Oregon	3
ANTH231	Native North Americans: PNW	3
ANTH232	Native North Americans	3
CJ101	Intro to Criminology	4
ECON201	Microeconomics	4
ECON202	Macroeconomics	4
ED169	Overview of Student Special Needs	3
ED258	Multicultural Education	3
GEOG105	Cultural Geography	3
HDFS140	Contemporary American Families	3
HDFS222	Family Relations	3
HDFS229	Development in Middle Childhood	3
HDFS247	Preschool Child Development	3
HST101	History of Western Civilization	3
HST102	History of Western Civilization	3
HST103	History of Western Civilization	3
HST104	History of the Middle East	3
HST201	History of the United States	3
HST202	History of the United States	3
HST203	History of the United States	3
HST240	Hist of Oregon and the South Coast	3
PS201	American Government Political	3

Science/Mathematics/Computer Science

Select three (3) courses with a minimum of two (2) laboratory courses in biological or physical sciences:

Laboratory Courses

BI101	General Biology	4
BI102	General Biology	4
BI103	General Biology	4
BI142	Habitats: Marine Biology	4
BI201	Introductory Biology	4
BI202	Introductory Biology	4
BI203	Introductory Biology	4
BI231	Human Anatomy and Physiology I	4
BI232	Human Anatomy and Physiology II	4
BI233	Human Anatomy and Physiology III	4
BI234	Microbiology	4
CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
ENV235	Introduction to Soil Science	4
G201	Physical Geology I	4
G202	Physical Geology II	4
G203	Historical Geology	4
GS104	Physical Science	4
GS105	Physical Science	4
GS106	Introduction to Earth Science	4
GS107	Astronomy	4
GS108	Oceanography	4
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5

PH203	Gen Physics III: Elect & Magnetism	5
PH211	Gen Physics w/Calculus I	5
PH212	Gen Physics w/Calculus II	5
PH213	Gen Physics w/Calculus III	5

Other Approved Courses

BI140	Practical Ecology	3
BI149	Introduction to Human Genetics	3
CHEM110	Found of Gen, Organic & Biochem	4
or CHEM110H	Fnds of Gen, Org & Biochem w/Honors	
CS160	Computer Science Orientation	4
CS161	Introduction to Computer Science I	4
CS162	Introduction to Computer Science II	4
CS261	Data Structures	4
ENV110	Introduction Environmental Science	3
G146	Geology of Southwestern Oregon	3
G207	Geology of the Pacific Northwest	3
G221	General Geology	3
G246	Geological Hazards	3
MTH105	Math in Society	4
MTH111	College Algebra	4
or MTH111H	College Algebra w/Honors	
MTH112	Trigonometry	4
or MTH112H	Trigonometry w/Honors	
MTH212	Fundamentals of Elementary	4
MTH213	Fundamentals of Elementary	4
MTH231	Elements of Discrete Mathematics I	4
MTH232	Elements of Discrete Mathematics II	4
MTH241	Calculus for Bus and Soc Science I	4
MTH242	Calculus for Bus and Soc Science II	4
MTH243	Intro to Probability and Statistics	4
MTH251	Calculus I Differential Calculus	4
or MTH251H	Calculus I w/Honors	
MTH252	Calculus II Integral Calculus	4
or MTH252H	Calculus II w/Honors	
MTH253	Calculus III	4
or MTH253H	Calculus III w/Honors	
MTH254	Vector Calculus I	4
MTH255	Vector Calculus II	4
MTH256	Differential Equations	4
MTH260	Matrix Methods and Linear Algebra	4

Electives

- Students may take any college-level course including Career and Technical Education courses without limitation that would bring total credits to 90 quarter hours.
- A maximum of nine (9) credits of PE185 sport/activity courses may be applied toward an AGS degree.
- Three (3) credits hours of PE185 may be granted toward an AGS degree for completion of military basic training. A copy of the military transcript or DD-214 is required.
- Courses numbered 199/299 will qualify as elective credit only.

Supportive Courses

Note: The College has determined the following supportive courses may be necessary to assist students to successfully complete their program; they count as electives only.

CIS125W	Word Processing Applications	3
HD100	College Success and Survival	3
HD111	Math Success	2
HD112	Study Skills	3
HD113	Stop Test Anxiety Now	1
HD140	Career/Education Exploration	1
HD147	Decision Making	1
HD152	Stress Management	1
HD154	Self-Esteem	1
HD204	Living Consciously	3
HD208	Career/Life Plan	3
LIB127	Navigating the 24/7 Library	1
OA121	Beginning Keyboarding	3
RD101	College Reading I	1-3
RD102	College Reading II	1-3
RD103	College Reading III	1-3

A maximum number of 45 credits is allowed for basic, developmental, or supportive courses under federal financial aid guidelines.

Associate of Science (AS)

The Associate of Science (AS) degree is designed for students who plan to transfer and complete a Bachelor of Science degree at a four-year institution. The degree requirements allow students more flexibility in course selection, allowing them to focus on their discipline requirements.

NOTE: Completion of this degree does not guarantee that all lower division general education requirements have been met for a bachelor's degree (i.e., this is not a block transfer degree as is the AA/OT). In selecting courses for this degree, students are highly encouraged to consult the specific transfer curriculum pages in this catalog, a faculty advisor, the University Center (<https://www.socc.edu/uc>), and the institution to which they intend to transfer in order to determine if it is an appropriate choice. Students are encouraged to complete an articulation agreement with the school they intend to transfer to.

The following curricula are governed by formal transfer agreements with specific four-year universities and must be followed specifically to satisfy AS degree requirements:

- Childhood Education and Family Studies
- Criminal Justice
- Elementary Education
- Fire Science
- Forestry
- Marine Biology
- Natural Resources

Graduation Requirements

Complete a minimum of 90 credit hours of specified courses with a minimum Grade Point Average (GPA) of 2.0 or better. All courses counting towards the degree must have a grade of 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AS degree is awarded.

Complete elective courses to reach a total of 90 credits. The courses must be numbered 100 or above. Career technical courses may only be applied to the AS degree in the following curricula which are governed by formal transfer agreements with four-year universities and are part of a current, formal transfer agreement with a four-year institution. Career technical courses offered at Southwestern are designated by "CTE" in the course description section of this catalog.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

General Education Requirements

All courses must be completed with a grade of 'C' or better.

Writing

Six (6) credit hours at a level equivalent to:

WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR227	Report Writing	3

Communication

One (1) course taken from

SP100	Basic Speech Communications	3
SP111	Fundamentals of Public Speaking	3
SP218	Interpersonal Communication	3
SP219	Small Group Discussion	3

Mathematics

Select four (4) credit hours of college level mathematics from MTH105 Math in Society or higher, excluding MTH211 Fundamentals of Elementary.

Health, Wellness and Fitness

Three (3) credits of health/PE: three (3) credits of PE 185 sport/activity courses or HE250 Personal Health or PE231 Wellness for Life.

Distribution Requirements

Complete six (6) credits from each of the following Related Area of Instruction Requirements. All courses must be completed with a grade of 'C' or better.

Arts and Letters

Six (6) credit hours from:

Only second year foreign language may be used to fulfill the Arts and Letters requirement.

ART115	Basic Design I, Intro to Elements	4
ART116	Basic Design II, Color Theory	4
ART117	Basic Design III, Intro to 3D Design	4
ART131	Introduction to Drawing I	3
ART132	Introduction to Drawing II	3
ART133	Introduction to Drawing III	3
ART191	Beginning Sculpture	3
ART192	Beginning Sculpture	3
ART204	History of Western Art:	3
ART205	History of Western Art:	3
ART206	History of Western Art:	3
ART225	Computer Art I	3
ART244	Bronze Casting	3
ART253	Ceramics I	3
ART256	Ceramics II	3
ART281	Painting I Beginning	3
ART282	Painting II Beginning	3
ART283	Painting III Beginning	3
ART284	Painting I Intermediate	3
ART285	Painting II Intermediate	3
ART286	Painting III Intermediate	3
ASL201	2nd Yr American Sign Language I	4
ASL202	2nd Yr American Sign Language II	4
ASL203	2nd Yr American Sign Language III	4
ENG104	Introduction to Literature Fiction	3
ENG105	Introduction to Literature Drama	3
ENG106	Introduction to Literature Poetry	3
ENG107	World Literature	3

or ENG107H	World Literature w/Honors		CJ101	Intro to Criminology	4
ENG108	World Literature	3	ECON201	Microeconomics	4
ENG109	World Literature	3	ECON202	Macroeconomics	4
ENG201	Shakespeare	3	ED169	Overview of Student Special Needs	3
ENG204	Survey of English Literature	3	ED258	Multicultural Education	3
or ENG204H	Survey of English Lit w/Honors		GEOG105	Cultural Geography	3
ENG205	Survey of English Literature	3	HDFS140	Contemporary American Families	3
ENG206	Survey of English Literature	3	HDFS222	Family Relations	3
HUM204	World Mythlgy & Religion	3	HDFS229	Development in Middle Childhood	3
HUM205	World Mythlgy & Religion	3	HDFS247	Preschool Child Development	3
HUM206	World Mythlgy & Religion	3	HST101	History of Western Civilization	3
J203	Writing for Media I	3	HST102	History of Western Civilization	3
J205	Writing for Media II	3	HST103	History of Western Civilization	3
J215	Publishing Lab	3	HST104	History of the Middle East	3
MUS101	Music Fundamentals	3	HST201	History of the United States	3
MUS111	Music Theory I	3	HST202	History of the United States	3
MUS112	Music Theory II	3	HST203	History of the United States	3
MUS113	Music Theory III	3	HST240	Hist of Oregon and the South Coast	3
MUS201	Intro to Music and its Literature	3	PS201	American Government Political	3
MUS202	Intro to Music and its Literature	3	PS202	American Government Policy Issues	3
MUS203	Intro to Music and its Literature	3	PS203	Local Politics and Government	3
MUS205	Intro to Jazz History	3	PSY100	Introduction to Psychology	4
MUS206	Intro to History of Rock and Roll	3	PSY201	General Psychology	3
MUS211	Advanced Music Theory I	3	or PSY201H	General Psychology w/Honors	
MUS212	Advanced Music Theory II	3	PSY202	General Psychology	3
MUS213	Advanced Music Theory III	3	or PSY202H	General Psychology w/Honors	
PHL101	Introduction to Philosophy	3	PSY203	General Psychology	3
PHL102	Ethics	3	or PSY203H	General Psychology w/Honors	
PHL103	Intro to Logic and Critical Thnkg	3	PSY216	Social Psychology	3
SP100	Basic Speech Communications	3	PSY228	Introduction to Social Science	3
SP111	Fundamentals of Public Speaking	3	PSY231	Human Sexuality	3
SP218	Interpersonal Communication	3	PSY237	Life Span Development	3
SP219	Small Group Discussion	3	PSY239	Introduction to Abnormal Psychology	3
SP220	Gender and Communication	3	SOC105	Introduction to Criminology	4
SPAN201	Second Year Spanish	4	SOC204	Introduction to Sociology	3
SPAN202	Second Year Spanish	4	SOC205	Social Institutions and Change	3
SPAN203	Second Year Spanish	4	SOC206	Social Problems and Issues	3
WR241	Imaginative Creative Writing	3	SOC208	Sociology of Sport	3
WR242	Imaginative Writing Poetry Writing	3	SOC210	Marriage and Family	3
WR243	Imaginative Writing Explorations	3	SOC213	Racial and Ethnic Relations	3
			WS101	Introduction to Women's Studies	3

Social Sciences

Six (6) credit hours from:

ANTH101	Physical Anthropology and Evolution	3
ANTH102	Introduction to Archaeology	3
ANTH221	Intro to Cultural Anthropology	3
ANTH222	Intro to Cultural Anthropology	3
ANTH223	Intro to Cultural Anthropology	3
ANTH224	Intro to Medical Anthropology	3
ANTH230	Native North Americans: Oregon	3
ANTH231	Native North Americans: PNW	3
ANTH232	Native North Americans	3

Science/Mathematics/Computer Science

Six (6) credit hours from:

Laboratory Courses

BI101	General Biology	4
BI102	General Biology	4
BI103	General Biology	4
BI142	Habitats: Marine Biology	4
BI201	Introductory Biology	4
BI202	Introductory Biology	4
BI203	Introductory Biology	4

BI231	Human Anatomy and Physiology I	4
BI232	Human Anatomy and Physiology II	4
BI233	Human Anatomy and Physiology III	4
BI234	Microbiology	4
CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
ENV235	Introduction to Soil Science	4
G201	Physical Geology I	4
G202	Physical Geology II	4
G203	Historical Geology	4
GS104	Physical Science	4
GS105	Physical Science	4
GS106	Introduction to Earth Science	4
GS107	Astronomy	4
GS108	Oceanography	4
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5
PH203	Gen Physics III: Elect & Magnetism	5
PH211	Gen Physics w/Calculus I	5
PH212	Gen Physics w/Calculus II	5
PH213	Gen Physics w/Calculus III	5

Other Approved Courses

BI140	Practical Ecology	3
BI149	Introduction to Human Genetics	3
CHEM110	Found of Gen, Organic & Biochem	4
or CHEM110H	Fnds of Gen, Org & Biochem w/Honors	
CS160	Computer Science Orientation	4
CS161	Introduction to Computer Science I	4
CS162	Introduction to Computer Science II	4
CS261	Data Structures	4
ENV110	Introduction Environmental Science	3
G146	Geology of Southwestern Oregon	3
G207	Geology of the Pacific Northwest	3
G221	General Geology	3
G246	Geological Hazards	3
MTH105	Math in Society	4
MTH111	College Algebra	4
or MTH111H	College Algebra w/Honors	
MTH112	Trigonometry	4
or MTH112H	Trigonometry w/Honors	
MTH212	Fundamentals of Elementary	4
MTH213	Fundamentals of Elementary	4
MTH231	Elements of Discrete Mathematics I	4
MTH232	Elements of Discrete Mathematics II	4
MTH241	Calculus for Bus and Soc Science I	4
MTH242	Calculus for Bus and Soc Science II	4
MTH243	Intro to Probability and Statistics	4
MTH251	Calculus I Differential Calculus	4
or MTH251H	Calculus I w/Honors	
MTH252	Calculus II Integral Calculus	4
or MTH252H	Calculus II w/Honors	

MTH253	Calculus III	4
or MTH253H	Calculus III w/Honors	
MTH254	Vector Calculus I	4
MTH255	Vector Calculus II	4
MTH256	Differential Equations	4
MTH260	Matrix Methods and Linear Algebra	4

Electives

- All courses must be completed with a grade of 'C' or better.
- Students may take any college-level course that would bring total credits to 90 quarter hours. Career and Technical Education courses may only be applied to the AS degree in the designated emphasis areas which are governed by agreements with four-year universities and are part of a current, formal transfer agreement with a four-year institution (see specific catalog program page).
- A maximum of nine (9) credits of PE185 sport/activity courses may be applied to the AS degree.
- Three (3) credit hours of PE185 sport/activity courses may be granted toward an AS degree for completion of military basic training. A copy of the military transcript or DD-214 is required.
- Courses numbered 199/299 will qualify as elective credit only.
- A maximum number of 45 credits is allowed for basic, developmental, or supportive courses under federal financial aid guidelines.

Baking Management, Associate of Applied Science

The Associate of Applied Science (AAS) Baking Management program provides a broad foundation of baking and pastry theory and practical training necessary for success in the food service industry. Students will learn the art of creating tasty baked goods, pastries, and confections, from traditional bread baking to beautiful showpieces. Students will also learn to use sugar, syrups, icings and chocolate. This program curriculum prepares students for a career as a professional baker or pastry chef in a bakery, restaurant, hotel or resort.

This degree utilizes the same curriculum as the Baking and Pastry Arts degree, except that during the final terms the Baking Management student will take up to an additional 27 academic credits. This will allow the student to transfer into the Bachelor of Applied Science in Hospitality and Tourism program at Southern Oregon University with junior standing for registration purposes.

Oregon Coast Culinary Institute (OCCI) at Southwestern was granted accreditation by the American Culinary Federation (ACF (<https://www.acfchefs.org>)). This accreditation is the highest level available for initial accreditation by the ACF – the premier professional chefs' organization in North America, focusing its efforts on offering education, apprenticeship and industry certification. With the ACF accreditation, OCCI's graduates will automatically gain the title of Certified Culinarian upon graduation, along with their associate's degrees.

Entry Requirements

For application and fee information, contact OCCI Admissions (<https://www.occinet.net/admissions>) at 541-888-7195.

Graduation Requirements

Students must complete a minimum of 106 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a grade of 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AAS Baking Management degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	
MTH95	Intermediate Algebra	4
or MTH105	Math in Society	

Program Guide

Course	Title	Credits
First Year		
Fall		
CRT2015	Sanitation and Safety for Managers	3
CRT2031	Bakery and Pastry Fundamentals	6
CRT2032	Baking and Pastry Fundamentals II	7
CRT2039	Prof Pres for the Culinary Wrkfrc	3
Credits		19
Winter		
CRT2016	Culinary Nutrition	3
CRT2027	Introduction to Sugar	1
CRT2028	Basic Chocolate	1
CRT2033	Classic and Contemporary Cakes	4
CRT2040	Culinary Arts for Baking and Pastry	6
CIS120	Concepts of Computing	4
Credits		19
Spring		
CRT2007	Inventory Control and Purchasing	1
CRT2017	Restaurant Management Supervision	3
CRT2018	Culinary Arts Career Planning	1
CRT2024	Frozen Desserts	3
CRT2026	Dessert Menu Development	1
CRT2030	Bakery Design	3
CRT2045	Retail Baking	7
Credits		19
Second Year		
Summer		
CRT2034	Advanced Sugar and Chocolate	2
CRT2037	Plated Desserts	6
CRT2038	Applied Visual Principles	1
CRT2042	Wedding Cakes	3
HE250	Personal Health	3
Credits		15
Fall		
CRT280B1	CWE: Baking and Pastry Arts	6
ECON201	Microeconomics	4
BA211	Principles of Accounting I	4
WR121 or WR121H	English Composition or English Composition w/Honors	3
Credits		17
Winter		
CRT280B1	CWE: Baking and Pastry Arts	6
ECON202	Macroeconomics	4
WR122 or WR122H	English Composition or English Composition w/Honors	3
MTH243	Intro to Probability and Statistics	4
Credits		17
Total Credits		106

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate understanding of safe and effective kitchen equipment use and maintenance.
- Demonstrate expert-level operation of professional kitchen tools and equipment.
- Demonstrate knife skills, knife sharpening techniques, handling a steel, and cutting techniques.
- Understand the basic principles for using seasoning and flavoring to create good tasting food.
- Obtain ServSafe Certification.
- Demonstrate food preparation for the following cooking methods - saute, broil, grill, braise, deep and stir fry, and poach.
- Understand basic principles of baking through formulas and measurement, mixing and gluten development and the baking process.
- Prepare a variety of pastry products.
- Become familiar with regional and international cuisine. Develop an appreciation for native products, herbs, and foods.
- Understand the basic principles of emulsification and all aspects of the elements of cold food pantry.
- Utilize concept of menu planning, cost control, purchasing, receiving, quality standards, profit, and staffing costs.
- Describe and apply the principles of nutrition to maximize nutrient retention in food preparation.
- Demonstrate supervisory skills and abilities utilizing critical thinking skills.

Program Note

The articulated SOU Hospitality & Tourism Management degree will require an additional 9 credits in humanities, 4 credits in social sciences, and 11 credits in science to meet SOU's University Studies Requirements (<https://inside.sou.edu/advising/transfers.html>).

Baking and Pastry Arts, Associate of Applied Science

The Associate of Applied Science (AAS) Baking and Pastry Arts provides a broad foundation of baking and pastry theory and practical training necessary for success in the food service industry. Students will learn the art of creating tasty baked goods, pastries, and confections, from traditional bread baking to beautiful showpieces. Students will also learn to use sugar, syrups, icings and chocolate. Prepares students for a career as a professional baker or pastry chef in a bakery, restaurant, hotel or resort.

Oregon Coast Culinary Institute (OCCI) at Southwestern was granted accreditation by the American Culinary Federation (ACF (<https://www.acfchefs.org>)). This accreditation is the highest level available for initial accreditation by the ACF – the premier professional chefs' organization in North America, focusing its efforts on offering education, apprenticeship and industry certification. With the ACF accreditation, OCCI's graduates will automatically gain the title of Certified Culinarian upon graduation, along with their associate's degrees.

Entry Requirements

For application and fee information, contact OCCI Admissions (<https://www.occi.net/admissions>) at 541-888-7195.

Graduation Requirements

Students must complete a minimum of 91 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a grade of 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AAS Baking and Pastry Arts degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	
MTH20	Basic Mathematics	4

Program Guide

Course	Title	Credits
First Year		
Fall		
CRT2015	Sanitation and Safety for Managers	3
CRT2031	Bakery and Pastry Fundamentals	6
CRT2032	Baking and Pastry Fundamentals II	7
CRT2039	Prof Pres for the Culinary Wrkfrc (or college level Speech course)	3

MTH81	Applied Mathematics for Culinary	4
Credits		23

Winter

CRT2016	Culinary Nutrition ¹	3
CRT2027	Introduction to Sugar	1
CRT2028	Basic Chocolate	1
CRT2033	Classic and Contemporary Cakes	4
CRT2040	Culinary Arts for Baking and Pastry	6
CIS120	Concepts of Computing	4
Credits		19

Spring

CRT2007	Inventory Control and Purchasing	1
CRT2017	Restaurant Management Supervision	3
CRT2018	Culinary Arts Career Planning	1
CRT2024	Frozen Desserts	3
CRT2026	Dessert Menu Development	1
CRT2030	Bakery Design	3
CRT2045	Retail Baking	7
WR115	Introduction to Expository Writing (or higher writing course)	3
Credits		22

Second Year

Summer

CRT2034	Advanced Sugar and Chocolate	2
CRT2037	Plated Desserts	6
CRT2038	Applied Visual Principles	1
CRT2042	Wedding Cakes	3
HE250	Personal Health ²	3
Credits		15

Fall

CRT280B2	CWE: Baking and Pastry Arts	12
Credits		12
Total Credits		91

¹ FN225 Nutrition may be substituted for CRT2016 Culinary Nutrition.

² PE231 Wellness for Life or three (3) credits of PE185 sport/activity courses may be substituted for HE250 Personal Health.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Prepare yeast-raised products to include breads, yeast-leavened pastries to include laminated doughs, breakfast pastries and leavened cakes.
- Prepare a variety of cakes, fillings and icings to include chemical and mechanical leavening techniques.
- Prepare a variety of egg- and dairy-based products to include meringue, sponge, soufflés, mousses, custards, and creams.
- Prepare a variety of fried baked goods to include fritters and doughnuts.
- Prepare a variety of pastry products to include pies, tarts, pate a choux, crepes, puff pastry, and fillo dough.
- Identify, select and demonstrate the use of various chocolates and sugar and the common uses for the decoration processes.

- List and explain the application of mixes and other convenience products pertaining to the baking process.
- Utilize concept of cost control, purchasing, receiving, quality standards, profit, and staffing costs.
- Describe and apply the principles of nutrition to maximize nutrient retention in baking preparation.
- Demonstrate supervisory skills and abilities utilizing critical thinking skills.
- Obtain ServSafe Certification.

Baking and Pastry Arts, Certificate of Completion

The Certificate of Completion Baking and Pastry Arts provides a broad foundation of baking and pastry theory and practical training necessary for success in the food service industry. Students will learn the art of creating tasty baked goods, pastries, and confections, from traditional bread baking to beautiful showpieces. Students will also learn to use sugar, syrups, icings and chocolate. Prepares students for an entry-level baking position such as a pastry cook or baker in a bakery, restaurant, hotel or resort.

Entry Requirements

For application and fee information, contact OCCI Admissions (<https://www.occ.net/admissions>) at 541-888-7195.

Gainful Employment Disclosure

Southwestern is required by federal regulations to disclose information related to the College's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with certificate programs.

Gainful employment information for the Certificate of Completion Baking and Pastry Arts (<https://www.socc.edu/images/ge/baking.html>) can be found online.

Graduation Requirements

Students must complete a minimum of 73 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in the program must be completed with a 'C' or better. One course must be completed at Southwestern before the Certificate of Completion Baking and Pastry Arts is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Program Guide

Course	Title	Credits
First Year		
Fall		
CRT2015	Sanitation and Safety for Managers	3
CRT2031	Bakery and Pastry Fundamentals	6
CRT2032	Baking and Pastry Fundamentals II	7
Credits		16
Winter		
CRT2016	Culinary Nutrition ¹	3
CRT2027	Introduction to Sugar	1
CRT2028	Basic Chocolate	1
CRT2033	Classic and Contemporary Cakes	4
CRT2040	Culinary Arts for Baking and Pastry	6
Credits		15
Spring		
CRT2007	Inventory Control and Purchasing	1
CRT2017	Restaurant Management Supervision	3

CRT2018	Culinary Arts Career Planning	1
CRT2024	Frozen Desserts	3
CRT2026	Dessert Menu Development	1
CRT2030	Bakery Design	3
CRT2045	Retail Baking	7
Credits		19
Second Year		
Summer		
CRT2034	Advanced Sugar and Chocolate	2
CRT2037	Plated Desserts	6
CRT2042	Wedding Cakes	3
Credits		11
Fall		
CRT280B2	CWE: Baking and Pastry Arts	12
Credits		12
Total Credits		73

¹ FN225 Nutrition may be substituted for CRT2016 Culinary Nutrition.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Prepare yeast-raised products to include breads, yeast-leavened pastries to include laminated doughs, breakfast pastries and leavened cakes.
- Prepare a variety of cakes, fillings and icings to include chemical and mechanical leavening techniques.
- Prepare a variety of egg- and dairy-based products, fried baked goods, and a variety of pastry products to include but not limited to meringue, fritters, and pies.
- Identify, select and demonstrate the use of various chocolates and sugar and the common uses for the decoration processes.
- List and explain the application of mixes and other convenience products pertaining to the baking process.
- Describe and apply the principles of nutrition to maximize nutrient retention in baking preparation.
- Obtain ServSafe Certification.

Basic Allied Health Care, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Basic Allied Health Care was created in response to the region's need for skilled healthcare workers. The Pathway Certificate consists of an evidence-based curriculum, including a minimum 33-hour internship that gives students a solid foundation in the allied health field. The program supports candidates to move into advanced training programs in the healthcare profession. This certificate provides students with the chance to gain entry-level skills in a high demand career field.

Click here (<https://www.socc.edu/pathways/roadmapsaz/314-medical-assistant-roadmap>) to learn how this Career Pathway Certificate can lead you to an AAS Medical Assistant. This Career Pathway also gains 'points' toward Southwestern's Nursing Program application (<https://www.socc.edu/images/nursing/2017Info.pdf>).

Graduation Requirements

Students must complete a minimum of 16 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Basic Allied Health Care is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	
MTH20	Basic Mathematics	4

Program Guide

Course	Title	Credits
First Year		
Fall		
AH100	Introduction to Health Care Careers	2
AH111	Medical Terminology I	3
	Credits	5
Winter		
AH112	Medical Terminology II	3
AH121	Body Structures and Functions I	3
	Credits	6
Spring		
AH122	Body Structures and Functions II	3
AH152	Medical Law and Ethics	2
	Credits	5
	Total Credits	16

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate general knowledge of medical terminology, anatomy and physiology, and medical law and ethics.
- Demonstrate comprehensive knowledge of clinical practice.
- Practice professionalism as it relates to health care.

Bookkeeping Clerical, Certificate of Completion

The Certificate of Completion Bookkeeping Clerical is a one-year certificate to prepare students for entry into general clerical and bookkeeping positions. This occupation is one of the largest growth occupations in the economy. The large size of this occupation ensures plentiful job openings, including many opportunities for temporary and part-time work.

Graduates of the program are qualified for entry into positions such as: General bookkeeper, accounts receivable, accounts payable, payroll clerk, file clerk, civil service employee, and many general and combination office positions requiring some knowledge of bookkeeping.

Click here (<https://www.socc.edu/pathways/roadmapsaz/152-administrative-office-professional>) to learn how the Certificate of Completion Bookkeeping Clerical can be a starting point for completion of the AAS Administrative Office Professional degree.

Southwestern is required by federal regulations to disclose information related to the College's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with certificate programs.

Gainful employment information for the Certificate of Completion Bookkeeping Clerical (<https://www.socc.edu/images/ge/bookkeeping.html>) can be found online.

Graduation Requirements

Students must complete a minimum of 46 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. One course must be completed at Southwestern before the Certificate of Completion Bookkeeping Clerical is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics	2
MTH20	Basic Mathematics	4
OA121	Beginning Keyboarding	3
WR90 or WR90R	Paragraph Fundamentals Academic Literacy	3-4

Program Guide

Course	Title	Credits
First Year		
Fall		
BA285	Human Relations in Organizations	3
CIS120	Concepts of Computing	4
CIS125W	Word Processing Applications	3

OA124	Keyboard Skill Building	3
OA220	Electronic Calculators	1
Credits		14
Winter		
AC2764 or BA212	Small Business Accounting or Principles of Accounting II	4
BA288	Customer Service	3
CIS125S	Spreadsheet Applications	3
MTH82	Business Mathematics ¹	4
OA240	Filing and Records Management	3
Credits		17
Spring		
BA177	Payroll Records and Accounting	3
BA217	Accounting Process	3
OA116	Office Procedures	3
OA280A	CWE: Office Admin Certification	3
WR121 or WR121H	English Composition ² or English Composition w/Honors	3
Credits		15
Total Credits		46

¹ MTH60 Algebra I, MTH65 Algebra II, MTH95 Intermediate Algebra or higher may be substituted for MTH82 Business Mathematics.

² WR115 Introduction to Expository Writing may be substituted for WR121 English Composition.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Use appropriate computer software applications to record, present, and summarize financial activities.
- Organize and store information at current workplace standards.
- Perform routine bookkeeping tasks for a variety of business entities.
- Maintain basic payroll record keeping.
- Diplomatically, tactfully, and respectfully interact with diverse populations.

Business, Associate of Science Oregon Transfer

The Associate of Science/Oregon Transfer Business (ASOT-BUS) is a degree that is intended to prepare students for transfer into a bachelor-level business program at a public Oregon university. Students who receive this degree will have met all lower division general education requirements of that institution's bachelor's degree programs. Students transferring with this degree will have junior standing for registration purposes. Admission to the business school/program of any public Oregon university is not guaranteed upon completion of the ASOT-BUS degree.

It is strongly recommended that students review the list of university-specific prerequisites and recommendations and contact the specific Oregon university business school/program early in the first year of their ASOT-BUS program at Southwestern to be advised about additional requirements and procedures for admission consideration to the public Oregon university and the business school/program. For specifics, please contact an advisor at the University Center (<https://www.socc.edu/uc>) or Educational Support Programs and Services (ESPS) (<https://www.socc.edu/esps>).

Students holding this degree are not guaranteed admission to the business school/program of any institution. The student must contact the four-year institution of interest to determine any university-specific requirements. Examples of such university-specific requirements are: minimum GPA requirements, a limitation of non-graded courses (Pass/No Pass), or specific additional courses. Check transfer school program requirements or contact the University Center (<https://www.socc.edu/uc>) for more information.

Graduation Requirements

Complete a minimum of 91 credit hours with a minimum cumulative Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the ASOT-BUS degree is awarded.

Successfully complete the following courses (except for elective credits) from the list of approved courses for the ASOT-BUS. The list is available on the following pages and in Admissions, the Student First Stop Center, Educational Support Programs and Services (ESPS) or from the program advisor.

Students may take any college-level course that would bring total credits to 90 quarter hours including up to 12 credits of college designated Career and Technical Education courses. A maximum of nine (9) credits of PE185 may be applied to the ASOT-BUS degree.

Courses that are developmental in nature (designed to prepare students for college transfer courses) are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
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MTH95	Intermediate Algebra	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide Foundational Requirements

All courses must be completed with a grade of "C" or better.

Writing

Three (3) courses from:

WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR227	Report Writing	3

Information Literacy is included through embedding the appropriate content and analytic activity in foundational writing courses.

Mathematics

A minimum of two (2) courses for which MTH 95 is a prerequisite, plus one (1) course in statistics:

Total of three (3) math courses required.

Communication

A minimum of one (1) course in fundamentals of speech or communication:

SP100	Basic Speech Communications	3
SP111	Fundamentals of Public Speaking	3
SP218	Interpersonal Communication	3
SP219	Small Group Discussion	3

Computer Literacy

CIS120	Concepts of Computing	4
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Discipline Study Requirements

All courses must be completed with a grade of 'C' or better.

Arts and Letters

Three (3) courses chosen from two (2) or more disciplines:

Second year foreign language may be included, but not first year.

ART115	Basic Design I, Intro to Elements	4
ART116	Basic Design II, Color Theory	4
ART117	Basic Design III, Intro to 3D Desgn	4
ART131	Introduction to Drawing I	3
ART132	Introduction to Drawing II	3
ART133	Introduction to Drawing III	3
ART191	Beginning Sculpture	3
ART192	Beginning Sculpture	3
ART204	History of Western Art:	3
ART205	History of Western Art:	3

SOC105	Introduction to Criminology	4
SOC204	Introduction to Sociology	3
SOC205	Social Institutions and Change	3
SOC206	Social Problems and Issues	3
SOC208	Sociology of Sport	3
SOC210	Marriage and Family	3
SOC213	Racial and Ethnic Relations	3
WS101	Introduction to Women's Studies	3

Science/Mathematics/Computer Science

Four (4) courses from two (2) or more disciplines including at least three (3) laboratory courses in biological and/or physical science.

Laboratory Courses

BI101	General Biology	4
BI102	General Biology	4
BI103	General Biology	4
BI142	Habitats: Marine Biology	4
BI201	Introductory Biology	4
BI202	Introductory Biology	4
BI203	Introductory Biology	4
BI231	Human Anatomy and Physiology I	4
BI232	Human Anatomy and Physiology II	4
BI233	Human Anatomy and Physiology III	4
BI234	Microbiology	4
CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
ENV235	Introduction to Soil Science	4
G201	Physical Geology I	4
G202	Physical Geology II	4
G203	Historical Geology	4
GS104	Physical Science	4
GS105	Physical Science	4
GS106	Introduction to Earth Science	4
GS107	Astronomy	4
GS108	Oceanography	4
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5
PH203	Gen Physics III: Elect & Magnetism	5
PH211	Gen Physics w/Calculus I	5
PH212	Gen Physics w/Calculus II	5
PH213	Gen Physics w/Calculus III	5

Other Approved Sci/Math/CS course choices

BI140	Practical Ecology	3
BI149	Introduction to Human Genetics	3
CHEM110	Found of Gen, Organic & Biochem	4
or CHEM110H	Fnds of Gen, Org & Biochem w/Honors	
CS160	Computer Science Orientation	4
CS161	Introduction to Computer Science I	4
CS162	Introduction to Computer Science II	4
CS261	Data Structures	4
G146	Geology of Southwestern Oregon	3

G207	Geology of the Pacific Northwest	3
G221	General Geology	3
G246	Geological Hazards	3
MTH105	Math in Society	4
MTH111	College Algebra	4
or MTH111H	College Algebra w/Honors	
MTH112	Trigonometry	4
or MTH112H	Trigonometry w/Honors	
MTH212	Fundamentals of Elementary	4
MTH213	Fundamentals of Elementary	4
MTH231	Elements of Discrete Mathematics I	4
MTH232	Elements of Discrete Mathematics II	4
MTH241	Calculus for Bus and Soc Science I	4
MTH242	Calculus for Bus and Soc Science II	4
MTH243	Intro to Probability and Statistics	4
MTH251	Calculus I Differential Calculus	4
or MTH251H	Calculus I w/Honors	
MTH252	Calculus II Integral Calculus	4
or MTH252H	Calculus II w/Honors	
MTH253	Calculus III	4
or MTH253H	Calculus III w/Honors	
MTH254	Vector Calculus I	4
MTH255	Vector Calculus II	4
MTH256	Differential Equations	4
MTH260	Matrix Methods and Linear Algebra	4

Business-Specific Required Courses

REQUIRED COURSES:

All courses must be completed with a grade of 'C' or better.

BA101	Introduction to Business	4
BA211	Principles of Accounting I	4
BA212	Principles of Accounting II	4
BA213	Principles of Accounting III	4
BA230	Business Law	4

or other advisor-approved Business-specific electives.

Cultural Literacy

One (1) course from the list below that is designated as meeting the cultural literacy requirement. This course may also fulfill a Discipline Studies requirement.

ANTH221	Intro to Cultural Anthropology	3
ANTH222	Intro to Cultural Anthropology	3
ANTH223	Intro to Cultural Anthropology	3
ANTH224	Intro to Medical Anthropology	3
ANTH230	Native North Americans: Oregon	3
ANTH231	Native North Americans: PNW	3
ANTH232	Native North Americans	3
ED258	Multicultural Education	3
ENG107	World Literature	3
or ENG107H	World Literature w/Honors	
ENG108	World Literature	3
ENG109	World Literature	3

GEOG105	Cultural Geography	3
HDFS140	Contemporary American Families	3
HUM204	World Mythlgy & Religion	3
HUM205	World Mythlgy & Religion	3
HUM206	World Mythlgy & Religion	3
HST104	History of the Middle East	3
MUS205	Intro to Jazz History	3
MUS206	Intro to History of Rock and Roll	3
PSY231	Human Sexuality	3
SOC208	Sociology of Sport	3
SOC210	Marriage and Family	3
SOC213	Racial and Ethnic Relations	3
SP220	Gender and Communication	3
WS101	Introduction to Women's Studies	3

Electives

- All courses must be completed with a grade of 'C' or better.
- Students may take any college-level course to bring the total credits to 90 credits.
- Up to 12 credits of college-designated Career & Technical Education (CTE) courses can be applied as electives for the ASOT-BUS degree.
- Eight to nine (8-9) CTE credits may be accepted by a four-year business program. See specific CTE limitations at the four-year institution.
- A maximum of nine (9) credits of PE185 sport/activity courses may be applied to the ASOT-BUS degree.
- Three (3) credit hours of PE185 sport/activity courses may be granted toward the degree for successful completion of military basic training. A copy of military transcript or DD-214 is required.
- A maximum of 45 credits is allowed for basic, developmental, or supportive courses under federal financial aid guidelines.

Business Management/ Entrepreneurship, Associate of Applied Science

This two-year degree exposes students to all aspects of operating a small business with a focus on entrepreneurship. The program also prepares students for positions such as management trainee, first-line supervisor, buyers and purchasing agents, sales managers, and higher levels of management for either profit or nonprofit organizations. Focus is placed on entrepreneurship for those interested in starting/operating a business or applying this managerial approach in a medium to large organization.

Employment in this field is expected to remain steady. Prospects are very good for those who want to own and manage a business, especially if they have determination, talent and a unique service or product.

Many students will decide to begin this program by first earning a Career Pathway Certificate of Completion in Supervision or Marketing. A Certificate of Completion can typically be completed in one year. Click here (<https://www.socc.edu/pathways/roadmapsaz/317-business-management-entrepreneurship-roadmap>) to view the entire Pathway. Students interested Retail Management (p. 170) may also earn a Certificate of Completion Retail.

Students who intend to transfer to a four-year institution with the goal of completing a bachelor's degree in business should consider completing the ASOT-BUS degree and consult with business program faculty.

Graduation Requirements

Students must complete a minimum of 95 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AAS Business Management/Entrepreneurship degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics	2
MTH20	Basic Mathematics	4
WR90	Paragraph Fundamentals ¹	3
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
BA101	Introduction to Business	4
BA150	Introduction to Entrepreneurship	3
BA284	Job Readiness	1
CIS120	Concepts of Computing	4

WR115	Introduction to Expository Writing (or higher)	3
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Credits		15
Winter		
AC2764 or BA212	Small Business Accounting or Principles of Accounting II	4
BA120	Leadership Development ²	3
BA223	Principles of Marketing	3
CIS125S	Spreadsheet Applications	3
MTH82	Business Mathematics ³	4
<hr/>		
Credits		17
Spring		
BA156	Essentials of Economics ⁴	3
BA206	Management Fundamentals	3
BA213	Principles of Accounting III	4
BA233	E-Marketing	3
BA239	Advertising	3
<hr/>		
Credits		16
Second Year		
Fall		
BA230	Business Law	4
BA238	Sales	3
BA250	Small Business Management	3
SP218	Interpersonal Communication ⁵	3
Specific Elective ⁶		3
<hr/>		
Credits		16
Winter		
BA203	Intro. to International Business	3
BA205	Solving Communication Problems	4
BA222	Finance	3
PE231	Wellness for Life ⁷	3
Specific Elective ⁶		3
<hr/>		
Credits		16
Spring		
BA224	Human Resource Management	3
BA277	Business Ethics	3
BA280	CWE: Business Admin	3
BA292	Entrepreneurship Capstone	3
Specific Elective ⁶		3
<hr/>		
Credits		15
<hr/>		
Total Credits		95

¹ WR90R Academic Literacy is a 4 credit course

² BA285 Human Relations in Organizations; PSY100 Introduction to Psychology; PSY201 General Psychology; PSY201H General Psychology w/Honors; PSY203 General Psychology; PSY203H General Psychology w/Honors; BA110 Group Dynamics for Teams may be substituted for BA120 Leadership Development.

³ MTH60 Algebra I, MTH65 Algebra II, MTH95 Intermediate Algebra or higher may be substituted for MTH82 Business Mathematics.

⁴ Four credits of ECON201 Microeconomics or ECON202 Macroeconomics may be substituted for BA156 Essentials of Economics.

- ⁵ SP100 Basic Speech Communications, SP111 Fundamentals of Public Speaking, SP219 Small Group Discussion, or SP220 Gender and Communication may be substituted for SP218 Interpersonal Communication.
- ⁶ Specific Electives: Any AC, BA, CIS, CS, PSY, or SOC courses not required for degree; CRT2015 Sanitation and Safety for Managers; ECON201 Microeconomics; ECON202 Macroeconomics; OA116 Office Procedures; MTH65 Algebra II; MTH95 Intermediate Algebra; MTH111 College Algebra; MTH111H College Algebra w/ Honors; MTH241 Calculus for Bus and Soc Science I; MTH243 Intro to Probability and Statistics.
- ⁷ HE250 Personal Health or three credits of PE 185 sport/activity courses may be substituted for PE231 Wellness for Life.

New
Footnote

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Identify appropriate ethical and legal procedures for a small business.
- Recognize and evaluate opportunities in the global marketplace.
- Demonstrate professional decorum while employing appropriate and effective business communication skills in virtual and interpersonal environments.
- Develop critical thinking and decision making skills as an individual, a team member, and a leader of an organization.
- Develop and evaluate financial record keeping systems and interpret results.
- Develop and evaluate marketing strategies for a small business.
- Explore entrepreneurial potential and develop a business plan.

CIS Digital Design, Associate of Applied Science

The Associate of Applied Science (AAS) CIS Digital Design degree is designed to successfully prepare students for careers in the expanding fields of digital design and media productions through an integrated curriculum exposing students to design principles and technical strategies. Upon successful completion of the AAS CIS Digital Design degree, students are prepared for a variety of entry-level positions in numerous digital design fields. Students attain knowledge and learn skills to seek careers in creative and support professions within such media industries as film and video, graphic design, production, game development, animation, and web design. Some of the careers available in media include: production designer, camera operator, visual effects production, multimedia producer, duplication, production assistant, graphic artist, art assistant, web designer, and other emerging opportunities.

Check out the Digital Design (<https://www.socc.edu/digitaldesign>) website!

Click here (<https://www.socc.edu/pathways/roadmapsaz/1052-digital-design-roadmap>) to see how you can earn Career Pathway Certificates on your way to earning an AAS in CIS Digital Design.

Graduation Requirements

Students must complete a minimum of 91 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AAS CIS Software Development degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Prerequisites

Students must take the following prerequisites:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH60	Algebra I	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
ART115	Basic Design I, Intro to Elements	4
ART131	Introduction to Drawing I	3
CIS120	Concepts of Computing	4
or CIS120X	or Problem Solving for CIS Majors	
CIS125PH	Computer Applications: Photoshop	3
DD160	Digital Design Orientation	3
	Credits	17
Winter		
ART110	Digital Photography I	3

CS195	Web Development I	3
ART116	Basic Design II, Color Theory	4
DD235PH	Digital Design App: Photoshop	3
WR115	Introduction to Expository Writing (or higher)	3
	Credits	16
Spring		
ART117	Basic Design III, Intro to 3D Design	4
BA285	Human Relations in Organizations ¹	3
CIS125IL	Computer Applications: Illustrator	3
CIS125MA	Computer Applications: Maya	3
CS133WS	Web Scripting	4
	Credits	17
Second Year		
Fall		
ART210	Digital Photography II	3
BA150	Introduction to Entrepreneurship	3
or CIS250	or Technology Entrepreneurship	
CIS125DW	Computer Applications: Dreamweaver	3
DD235MA	Digital Design App: Maya	3
or DD235ID	or Digital Design App: Indesign	
MTH86	Computer Technology Mathematics (or higher)	4
	Credits	16
Winter		
BA223	Principles of Marketing	3
DD250	Projects in Digital Media	3
DD280	CWE: Digital Design	4
SP100	Basic Speech Communications (or higher)	3
	Credits	13
Spring		
DD297	Digital Design Capstone	3
PE231	Wellness for Life ³	3
Specific Elective ²		6
	Credits	12
	Total Credits	91

¹ BA110 Group Dynamics for Teams, BA120 Leadership Development; PSY100 Introduction to Psychology, PSY201 General Psychology, PSY201H General Psychology w/Honors, PSY203 General Psychology, or PSY203H General Psychology w/Honors may be substituted for BA285 Human Relations in Organizations.

² Specific Electives: Any ART, BA,CS/CIS, or DD course not otherwise required within the degree; MTH course higher than MTH86 Computer Technology Mathematics.

³ HE250 Personal Health or three (3) credits of any PE185 sport/activity course may be substituted for PE231 Wellness for Life.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate professional design principles and practices.
- Plan, design, develop, and edit digital images and graphics.

- Plan, design, develop, and edit digital time-based media.
- Plan, design, develop, and edit interactive web pages.
- Work effectively as part of a design team.

CIS Software Development, Associate of Applied Science

The Associate of Applied Science (AAS) CIS Software Development program represents a broad exposure to multiple disciplines across various contemporary technologies. Students will be offered opportunities to explore computing systems from small micro-systems to enterprise solutions. Courses in this degree represent meaningful tools used in industry and mastery of them brings personal value to each student. Graduates of this program are capable of entering the workplace as a junior level developer, mobile application development.

Software developers are one of the most in-demand careers throughout the world. As technology grows and engrosses more of the American life, more automation and software systems are needed. The future is very bright.

Click here (<https://www.socc.edu/pathways/roadmapsaz/312-cis-software-development-roadmap>) to learn about Career Pathway certificates that lead to an AAS in CIS Software Development.

Graduation Requirements

Students must complete a minimum of 95 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better.

Twenty-four (24) credits must be completed at Southwestern before the AAS CIS Software Development degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH60	Algebra I	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
CIS151	Network Essentials	4
CS160	Computer Science Orientation	4
MTH86	Computer Technology Mathematics ¹	4
WR115	Introduction to Expository Writing (or higher)	3
	Credits	15
Winter		
CIS140U	Intro to Operating Systems: Unix	4
CIS145	Hardware Installation Support	4
CS161	Introduction to Computer Science I	4

CS195	Web Development I	3
	Credits	15
Spring		
BA110	Group Dynamics for Teams ²	3
CS133WS	Web Scripting	4
CS162	Introduction to Computer Science II	4
Specific Elective ⁴		4
	Credits	15
Second Year		
Fall		
CIS250	Technology Entrepreneurship	3
CS233WS	Computer Language II: Server-Side	4
CS261	Data Structures	4
CS275	Database Management	4
	Credits	15
Winter		
CIS279	Network Management I (Network Hardware)	4
CS244	Systems Analysis	3
CS276	Advanced SQL	4
SP100	Basic Speech Communications (or higher)	3
Specific Elective ³		3
	Credits	17
Spring		
CS165	Mobile Application Development	4
CIS280	CWE: Computer Info Systems	4
CS297	SD Professional Capstone	4
PE231	Wellness for Life ⁴	3
Specific Elective ³		3
	Credits	18
	Total Credits	95

¹ MTH105 Math in Society or higher may be substituted for MTH86 Computer Technology Mathematics.

² BA120 Leadership Development, BA285 Human Relations in Organizations; PSY100 Introduction to Psychology, PSY201 General Psychology, PSY201H General Psychology w/Honors, PSY203 General Psychology, or PSY203H General Psychology w/Honors may be substituted for BA110 Group Dynamics for Teams.

³ Specific Electives: Any CS/CIS, BA, AC course not required for the degree; WR227 Report Writing, MTH65 Algebra II, MTH95 Intermediate Algebra, or higher; ART115 Basic Design I, Intro to Elements, ART116 Basic Design II, Color Theory, ART117 Basic Design III, Intro to 3D Design, ART225 Computer Art I, or MFG4101 Electrical Systems Troubleshooting.

⁴ HE250 Personal Health or three (3) credits of PE185 sport/activity courses may be substituted for PE231 Wellness for Life.

Program Student Learning Outcomes

The Associate of Applied Science (AAS) CIS Software Development is designed for students planning to complete an associate degree in Computer Information Systems(CIS) Software Development. Students have the opportunity to transfer to most Oregon public and private universities as the program at Southwestern Oregon Community College

aligns with the first two-year computer science programs in those universities.

Upon successful completion of this program the student will be able to:

- Demonstrate the skill and knowledge to install, configure and maintain PC and server hardware/software in a network environment.
- Research, interpret and communicate technical information in written, graphic, diagrammatic, electronic and oral forms.
- Demonstrate the ability to work independently or in a group environment with sensitivity to the needs of customers and coworkers.
- Demonstrate the ability to plan and implement both wired and wireless networks sufficient for small business use.
- Demonstrate basic ability to develop new products and services to meet the needs of a changing economy.
- Plan, write, and debug software applications within multiple programming environments.

Childhood Education and Family Studies (18 Credits), Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Childhood Education and Family Studies (18 credits) is intended to provide students with the skills needed to begin a career in Childhood Education and Family Studies. This certificate can also assist the student in earning a Child Development Associate (CDA) credential. Students enroll in this program for a variety of reasons including upgrading skills and knowledge, obtaining a degree or retraining for a new profession. The credits earned can lead into a Certificate of Completion Childhood Education and Family Studies, an AAS Childhood Education and Family Studies or an AS with an emphasis in Childhood Education and Family Studies which will transfer to a university. All courses are offered online.

Click here (<https://www.socc.edu/pathways/roadmapsaz/158-childhood-education-family-studies-roadmap>) to learn how this Career Pathway Certificate can lead to an AAS Childhood Education and Family Studies.

Entry Requirements

Students are required to complete the College's placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the placement process.

All Childhood Education and Family Studies students are required to obtain a valid first aid and CPR card, a Food Handlers Card, and complete HDFS9284 Child Abuse and Neglect Reporting as components of ECE 170 Health & Safety in Early Childhood Education. Students will also be required to have a current immunization record and background check to complete practicum requirements. The requirements will vary per state. Students are encouraged to research the requirements for the state regulating organization regarding what will be required to complete the background check.

In Oregon, students must be listed on the Oregon Central Background Registry (CBR). To begin this process, visit State of Oregon Early Learning Division (<https://www.oregon.gov/occ/pages>) to be prepared to complete practicum work in a certified early learning center, apply for a background check, and receive additional information regarding how to comply with fingerprinting requirements.

Graduation Requirements

Students must complete a minimum of 18 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. Practicum and student teaching courses require students to pass CLASS (<http://teachstone.com/classroom-assessment-scoring-system-class>) assessments to successfully complete the courses. One course must be completed at Southwestern before this certificate is awarded.

Courses that are developmental in nature, designed to prepare students for college transfer courses, are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Credit for Prior Learning

Credit for prior learning options are available for students with a Preschool Child Development Associate (CDA) credential, an Infant Toddler Child Development Associate (CDA) credential, a Step Seven on the Oregon Registry, or a Certificate of Completion for First Connections that includes mentoring in an Infant toddler learning environment. Contact ece@socc.edu for more information.

Program Guide

Course	Title	Credits
First Year		
Fall		
ECE150	Introduction and Observation ECE ¹	3
ECE151	Guidance and Classroom Management ¹	3
ED169	Overview of Student Special Needs	3
		Credits
		9
Winter		
ECE154	Children's Language and Lit Dev	3
ECE209	Theory and Practicum I ²	3
		Credits
		6
Spring		
ECE102	Theory and Practicum II ²	3
		Credits
		3
		Total Credits
		18

¹ ECE150 Introduction and Observation ECE and ECE151 Guidance and Classroom Management **must** be taken concurrently. A criminal history check is required for these courses.

² ECE209 Theory and Practicum I and ECE102 Theory and Practicum II must be taken in sequence. A criminal background check must be on file before enrolling in these courses.

Program Student Learning Outcomes

Upon successful completion of this program, the student will have knowledge and skills in the following Standards developed by National Association for the Education of Young Children Early Childhood Associate Degree Accreditation (NAEYC (<https://www.naeyc.org>) ECADA) organization. Click here for the complete list of Standards (https://www.socc.edu/images/Childhood_Education_-_Family_Studies/ECE_SWOCC_Program_Outcomes_Long_Form.pdf).

- Standard 3 a, b, c, d
- Standard 4 a, b, c, d
- Standard 5 c
- Standard 6 a, b, c, d, e
- Standard 7 a, b

Childhood Education and Family Studies (30 Credits), Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Childhood Education and Family Studies (30 credits) is intended to provide students with the skills needed to begin a career in childhood education and family studies. This certificate can also assist the student in earning a Child Development Associate (CDA) credential. Students enroll in this program for a variety of reasons including upgrading skills and knowledge, obtaining a degree or retraining for a new profession. The credits earned can lead into a Certificate of Completion Childhood Education and Family Studies, an AAS Childhood Education and Family Studies, or an AS with an emphasis in Childhood Education and Family Studies which will transfer to a university. All courses are offered online.

Click here (<https://www.socc.edu/pathways/roadmapsaz/158-childhood-education-family-studies-roadmap>) to learn how this Career Pathway Certificate can lead to an AAS Childhood Education and Family Studies.

Entry Requirements

Students are required to complete the College's placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the placement process.

All Childhood Education and Family Studies students are required to obtain a valid first aid and CPR card, a Food Handlers Card, and complete HDFS9284 Child Abuse and Neglect Reporting as components of ECE 170 Health & Safety in Early Childhood Education. Students will also be required to have a current immunization record and background check to complete practicum requirements. The requirements will vary per state. Students are encouraged to research the requirements for the state regulating organization regarding what will be required to complete the background check.

In Oregon, students must be listed on the Oregon Central Background Registry (CBR). To begin this process, visit the State of Oregon Early Learning Division (<https://www.oregon.gov/occ/pages>) to be prepared to complete practicum work in a certified early learning center, apply for a background check, and receive additional information regarding how to comply with fingerprinting requirements.

Graduation Requirements

Students must complete a minimum of 30 credits with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. Practicum and student teaching courses require students to pass CLASS assessments (<https://teachstone.com/classroom-assessment-scoring-system-class>) to successfully complete the courses. One course must be completed at Southwestern for this certificate to be awarded.

Courses that are developmental in nature, designed to prepare students for college transfer courses, are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Credit for Prior Learning

Credit for prior learning options are available for students with a Preschool Child Development Associate (CDA) credential, an Infant Toddler Child Development Associate (CDA) credential, a Step Seven on the Oregon Registry, or a Certificate of Completion for First Connections that includes mentoring in an infant toddler learning environment. Contact ece@socc.edu for more information.

Program Guide

Course	Title	Credits
First Year		
Fall		
ECE150	Introduction and Observation ECE ¹	3
ECE151	Guidance and Classroom Management ¹	3
ED169	Overview of Student Special Needs	3
HDFS225	Prenatal Infant and Toddler Dev	3
Credits		12
Winter		
ECE154	Children's Language and Lit Dev	3
ECE209	Theory and Practicum I ²	3
HDFS247	Preschool Child Development	3
Credits		9
Spring		
ECE102	Theory and Practicum II ²	3
ECE240	Lesson and Curriculum Planning	3
ED258	Multicultural Education	3
Credits		9
Total Credits		30

¹ ECE150 Introduction and Observation ECE and ECE151 Guidance and Classroom Management **must** be taken concurrently. A criminal history check is required for each of these courses.

² ECE209 Theory and Practicum I and ECE102 Theory and Practicum II must be taken in sequence. A criminal background check must be on file before enrolling in these courses.

Program Student Learning Outcomes

Upon successful completion of this program the student will have knowledge and skills in the following Standards developed by the National Association for the Education of Young Children Early Childhood Associate Degree Accreditation (NAEYC (<https://www.naeyc.org>) ECADA) organization. Click here for the complete list of Standards. (https://www.socc.edu/images/Childhood_Education_-_Family_Studies/ECE_SWOCC_Program_Outcomes_Long_Form.pdf)

- Standard 1 a, b, c
- Standard 2 a, b, c
- Standard 3 a, b, c, d
- Standard 4 a, b, c, d
- Standard 5 a
- Standard 6 a, b, c, d, e
- Standard 7 a, b

Childhood Education and Family Studies (50 Credits), Certificate of Completion

The Certificate of Completion Childhood Education and Family Studies is a one-year certificate that prepares students for entry-level positions as child care workers, preschool attendants, preschool teacher assistants, and day care assistants. This certificate fulfills the requirements for the first year of the AAS in Childhood Education and Family Studies degree, click here (<https://www.socc.edu/pathways/roadmapsaz/158-childhood-education-family-studies-roadmap>) to learn how.

Entry Requirements

Students are required to complete the College's placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the placement process.

All Childhood Education and Family Studies students are required to obtain a valid first aid and CPR card, a Food Handlers Card, and complete HDFS9284 Child Abuse and Neglect Reporting as components of ECE 170 Health & Safety in Early Childhood Education. Students will also be required to have a current immunization record and background check to complete practicum requirements. The requirements will vary per state. Students are encouraged to research the requirements for the state regulating organization regarding what will be required to complete the background check.

In Oregon, students must be listed on the Oregon Central Background Registry (CBR). To begin this process, visit the State of Oregon Early Learning Division (<https://www.oregon.gov/occ/pages>) to be prepared to complete practicum work in a certified early learning center, apply for a background check, and receive additional information regarding how to comply with fingerprinting requirements.

Gainful Employment Disclosure

Southwestern is required by federal regulations to disclose information related to the College's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with certificate programs.

Gainful employment information for the Certificate of Completion Childhood Education and Family Studies (<https://www.socc.edu/images/ge/childhooded.html>) can be found online.

Graduation Requirements

Students must complete a minimum of 50 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. Practicum and student teaching courses require students to pass CLASS assessments (<https://teachstone.com/classroom-assessment-scoring-system-class>) to successfully complete the courses. One course must be completed at Southwestern for this certificate to be awarded.

Courses that are developmental in nature, designed to prepare students for college transfer courses, are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Credit for Prior Learning

Credit for prior learning options are available for students with a Preschool Child Development Associate (CDA) credential, an Infant Toddler Child Development Associate (CDA) credential, a Step Seven on the Oregon Registry, or a Certificate of Completion for First Connections that includes mentoring in an infant toddler learning environment. Contact ece@socc.edu for more information.

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH20	Basic Mathematics	4
WR90	Paragraph Fundamentals (or placement test score)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
ECE150	Introduction and Observation ECE ¹	3
ECE151	Guidance and Classroom Management ¹	3
ED169	Overview of Student Special Needs	3
HDFS225	Prenatal Infant and Toddler Dev	3
MTH60	Algebra I ²	4
		Credits
		16
Winter		
CIS120	Concepts of Computing	4
ECE154	Children's Language and Lit Dev	3
ECE209	Theory and Practicum I ³	3
ECE240	Lesson and Curriculum Planning	3
HDFS247	Preschool Child Development	3
		Credits
		16
Spring		
ECE102	Theory and Practicum II ³	3
ED258	Multicultural Education	3
HDFS140	Contemporary American Families	3
HDFS229	Development in Middle Childhood	3
SP100	Basic Speech Communications ⁴	3
WR121	English Composition	3
or WR121H	or English Composition w/Honors	
		Credits
		18
		Total Credits
		50

¹ ECE150 Introduction and Observation ECE and ECE151 Guidance and Classroom Management **must** be taken concurrently. A criminal history check is required for each of these courses.

- ² MTH65 Algebra II, MTH95 Intermediate Algebra, MTH98 Math Literacy, or higher math course may be substituted for MTH60 Algebra I.
- ³ ECE209 Theory and Practicum I and ECE102 Theory and Practicum II must be taken in sequence. A criminal background check must be on file before enrolling in these courses.
- ⁴ SP111 Fundamentals of Public Speaking, SP218 Interpersonal Communication, SP219 Small Group Discussion or SP220 Gender and Communication may be substituted for SP100 Basic Speech Communications.

Program Student Learning Outcomes

Upon successful completion of this program the student will have knowledge and skills in the following Standards developed by National Association for the Education of Young Children Early Childhood Associate Degree Accreditation (NAEYC (<https://www.naeyc.org>) ECADA) organization. Click here for a complete list of Standards. (https://www.socc.edu/images/Childhood_Education_-_Family_Studies/ECE_SWOCC_Program_Outcomes_Long_Form.pdf)

- Standard 1 a, b, c
- Standard 2 a, b, c
- Standard 3 a, b, c, d
- Standard 4 a, b, c, d
- Standard 5 a
- Standard 6 a, b, c, d, e
- Standard 7 a, b

Childhood Education and Family Studies, Associate of Applied Science

The Associate of Applied Science (AAS) Childhood Education and Family Studies degree prepares students to work in a variety of educational and child care settings, including preschool, Pre K, day care, private kindergarten and as a para-professional in the public schools. This degree offers students the opportunity to gain enhanced practical experience through practicum and student teaching courses. The AS Childhood Ed & Family Studies degree is accredited by the National Association for the Education of Young Children (NAEYC (<https://www.naeyc.org>)) Early Childhood Associate Degree Accreditation (ECADA). This degree program is fully articulated with Southern Oregon University's early childhood development program. Students who transfer to Southern Oregon University, and are accepted into the program, should be able to complete requirements for the bachelor's degree with two additional years of coursework.

All coursework specific to childhood education and family studies degrees and certificates¹ is offered online through Southwestern. Transfer courses that meet Southwestern's course outcomes are readily accepted into the program.

Both the AS CE&FS and AAS CE&FS degrees are accredited through the National Association for the Education of Young Children Early Childhood Associate Degree Accreditation (NAEYC ECADA) program.

¹ Please note that there are four (4) separate paths to an AAS Childhood Education and Family Studies Degree. To see how this program links to other programs in the pathway click here (<https://www.socc.edu/pathways/roadmapsaz/158-childhood-education-family-studies-roadmap>).

Childhood Education & Family Studies Principles & Goals

Main principles in the Childhood Education & Family Studies Program include:

- Understanding that children lead their own learning based on the level of their development
- Focusing on the importance of families in their roles with their young children
- Respecting diversity
- Addressing the needs of children with diverse abilities in inclusive settings
- Themes of inclusion, bilingual and multicultural education and care
- Critical thinking
- Reflective teaching

These principles are infused throughout the Childhood Education & Family Studies coursework. Coursework and field experiences at every level recognize the social, historical, political, and cultural contexts that have impacted the profession.

Southwestern's Childhood Education & Family Studies (CE&FS) program goals include:

- The CE&FS Program seeks to empower its graduates by enabling them to acquire the knowledge, skills, and dispositions that will allow them to excel in their careers or further educational goals.
- The CE&FS Program seeks to provide opportunities for teacher candidate-child, teacher candidate-classroom teacher, teacher candidate-content and teacher candidate-faculty interaction supporting teacher's professional growth and development.
- The CE&FS Program seeks to provide model early care and education programs and staff for teacher candidates to develop effective knowledge, skills and attitudes.
- Graduates of the Childhood Education & Family Studies (CE&FS) Program will possess broad general education and content area knowledge, remain effective and reflective practitioners and problem solvers, apply innovative learning technologies and participate in opportunities for professional growth.

Entry Requirements

Students are required to complete the college's placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the placement process.

All Childhood Education and Family Studies students are required to obtain a valid first aid and CPR card, a Food Handlers Card, and complete HDFS9284 Child Abuse and Neglect Reporting as components of ECE170 Health and Safety Early Childhood. Students will also be required to have a current immunization record and background check to complete practicum requirements. The requirements will vary per state. Students are encouraged to research the requirements for the state regulating organization regarding what will be required to complete the background check.

In Oregon, students must be listed on the Oregon Central Background Registry (CBR). To begin this process, visit the State of Oregon Early Learning Division (<https://www.oregon.gov/occ/pages>) to be prepared to complete practicum work in a certified early learning center, apply for a background check, and then receive additional information regarding how to comply with fingerprinting requirements.

Graduation Requirements

Students must complete a minimum of 97 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. Practicum and Student Teaching courses require students to pass CLASS assessments (<http://teachstone.com/classroom-assessment-scoring-system-class>) to successfully complete the courses. Twenty four (24) credits of the last 45 credits must be completed at Southwestern before this AAS degree is awarded.

Courses that are developmental in nature, designed to prepare students for college transfer courses, are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Credit for Prior Learning

Credit for prior learning options are available for students with a Preschool Child Development Associate (CDA) credential, an Infant Toddler Child Development Associate (CDA) credential, a Step Seven on the Oregon Registry, or a Certificate of Completion for First Connections

that includes mentoring in an Infant toddler learning environment. Contact ece@socc.edu for more information.

Pre-Program Requirements

Students are required to take the following courses *prior to* the program courses, depending on students' placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH20	Basic Mathematics	4
WR90	Paragraph Fundamentals	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
CIS120	Concepts of Computing	4
ECE150	Introduction and Observation ECE ¹	3
ECE151	Guidance and Classroom Management ¹	3
ECE170	Health and Safety Early Childhood	2
HDFS225	Prenatal Infant and Toddler Dev	3
PE185 Physical Education Course ²		1
Credits		16
Winter		
ECE154	Children's Language and Lit Dev	3
ECE209	Theory and Practicum I ³	3
HDFS247	Preschool Child Development	3
WR121	English Composition	3
or WR121H	or English Composition w/Honors	
MTH60	Algebra I ⁴	4
or MTH98	or Math Literacy	
PE185 Physical Education Course ²		1
Credits		17
Spring		
ECE102	Theory and Practicum II ³	3
ECE240	Lesson and Curriculum Planning	3
ED258	Multicultural Education	3
HDFS229	Development in Middle Childhood	3
SP100	Basic Speech Communications ⁵	3
Credits		15
Second Year		
Fall		
BA285	Human Relations in Organizations	3
ECE152	Creative Activities in ECE	3
ECE163	Preschool Practicum/Environments	3
ED169	Overview of Student Special Needs	3
Elective ⁶		3
Credits		15
Winter		
ECE261	Student Teaching I Early Child Ed	6
HDFS140	Contemporary American Families	3

HDFS227	Parents as Partners in Education	3
PE185 Physical Education Course ²		1
Elective ⁶		3
Credits		16
Spring		
ECE262	Student Teaching II Early Child Ed	6
FN225	Nutrition	4
HDFS222	Family Relations	3
HDFS285	Prof Issues in Early Childhood Ed	3
Specific Elective ⁷		2
Credits		18
Total Credits		97

¹ ECE150 Introduction and Observation ECE and ECE151 Guidance and Classroom Management **must** be taken concurrently. A criminal background check is required for ECE 150 and all practicum courses.

² HE250 Personal Health or PE231 Wellness for Life may be substituted for three (3) credits of PE185 sport/activity courses.

³ ECE209 Theory and Practicum I and ECE102 Theory and Practicum II must be taken in sequence. A criminal background check must be on file before enrolling in these courses.

⁴ A higher math class can be substituted.

⁵ SP111 Fundamentals of Public Speaking, SP218 Interpersonal Communication, SP219 Small Group Discussion or SP220 Gender and Communication may be substituted for SP100 Basic Speech Communications.

⁶ For transfer to a public Oregon university it is recommended that students fulfill electives with college-level science and math courses. See Childhood Ed & Family Studies advisor for recommendations. Students choosing to earn the Infant and Toddler Development Certificate should take ECE161 Infant and Toddler Practicum I & ECE162 Infant and Toddler Practicum II.

⁷ Specific Electives: HDFS297 Parenting Ed and Early Childhood Hm, ED134 Children Who are Dual Lang Learners, ED135 Teaching Math to Young Children, ECE161 Infant and Toddler Practicum I, ECE162 Infant and Toddler Practicum II, ECE220 Teaching Outdoor Education. Students pursuing the Career Pathway Certificate of Completion Parenting Education & Early Childhood Home Visitor should select HDFS297 Parenting Ed and Early Childhood Hm as the Specific Elective.

Program Student Learning Outcomes

Upon successful completion of this degree, students will have knowledge and skills in the following Standards developed by National Association for the Education of Young Children Early Childhood Associate Degree Accreditation (NAEYC (<https://www.naeyc.org>) ECADA) organization:

1. Promoting Child Development and Learning

Students develop and use their understanding of child development – including young children's unique characteristics and needs, and the multiple interacting influences on children's development and learning – to create environments that are healthy, respectful, supportive, and challenging for each child.

Key elements of Outcome 1;

- Describe young children's diverse characteristics and needs, from birth through age 8.
- Explain the multiple influences on early development and learning.

- c. Use knowledge of child development to create healthy, respectful, supportive, and challenging learning environments for young children.

2. **Building Family and Community Relationships**

Students articulate the complex characteristics of children's families and communities and use this understanding to create respectful, reciprocal relationships that support and empower families, and to engage all families in their children's development and learning.

Key elements of Outcome 2;

- a. Describe diverse family and community characteristics.
- b. Develop and implement strategies to support and engage families and communities through respectful, reciprocal relationships.
- c. Develop and implement plans to engage families and communities in young children's development and learning.

3. **Observing, Documenting, and Assessing to Support Young Children and Families**

Students articulate the goals, benefits, and purposes of assessment and use systematic observations, documentation, and other effective assessment strategies in a responsible way, in partnership with families and other professionals, to positively influence the development of every child.

Key elements of Outcome 3;

- a. State the goals, benefits, and purposes of assessment – including its use in development of appropriate goals, curriculum, and teaching strategies for young children.
- b. Use observation, documentation, and other appropriate assessment tools and approaches, including the use of technology in documentation, assessment and data collection.
- c. Practice responsible assessment to promote positive outcomes for each child, including an awareness of assistive technology for children with ability differences.
- d. Describe how assessment partnerships with families and with professional colleagues can be used to build effective learning environments.

4. **Using Developmentally Effective Approaches**

Students implement a wide array of developmentally appropriate approaches, instructional strategies, and tools to connect with children and families and positively influence each child's development and learning, which will vary depending on children's ages, characteristics, and the early childhood setting.

Key elements of Outcome 4;

- a. Discuss how supportive relationships and positive interactions are the foundation of their work with young children.
- b. List and implement effective instructional and guidance strategies and tools for early education, including appropriate uses of technology.
- c. Use a broad repertoire of developmentally appropriate teaching/ learning and guidance approaches.
- d. Reflect on their own practice to promote positive outcomes for each child.

5. **Using Content Knowledge to Build Meaningful Curriculum**

Students develop and apply their knowledge of developmental domains and academic (or content) disciplines to design, implement, and evaluate meaningful, challenging curriculum that promotes comprehensive developmental and learning outcomes for each child.

Key elements of Outcome 5;

- a. Begin to explain content knowledge and resources in academic disciplines: language and literacy; the arts – music, creative movement, dance, drama, visual arts; mathematics; science;

physical education – physical activity, health, and safety; and social studies.

- b. Recognize and apply the central concepts, inquiry tools, and structures of content areas or academic disciplines.
- c. Use their own knowledge, appropriate early learning outcomes, and other resources to design, implement, and evaluate developmentally meaningful and challenging curriculum for each child.

6. **Becoming a Professional**

Students are collaborative learners who continuously demonstrate knowledgeable, reflective and critical perspectives of their work, make informed decisions that integrate knowledge from a variety of sources, including ethical guidelines, and advocate for sound educational practices and policies.

Key elements of Outcome 6;

- a. Identify as a member of the early childhood field and become involved in the professional community.
- b. Locate and apply ethical guidelines and other early childhood professional guidelines.
- c. Engage in continuous, collaborative learning to inform practice; using technology effectively with young children, with peers, and as a professional resource.
- d. Integrate knowledgeable, reflective, and critical perspectives on early education into their work.
- e. Engage in informed advocacy for young children and the early childhood profession.

7. **Early Childhood Field Experiences - These outcomes are to be met at the bachelor's level program upon transfer.**

Students engage in field experiences and clinical practice to develop the knowledge, skills and professional dispositions necessary to promote the development and learning of young children in a variety of early childhood settings and with multiple age groups.

Key elements of Outcome 7;

- a. Observe and practice in at least two of the three early childhood age groups (birth – age 3, 3-5, 5-8).
- b. Observe and practice in at least two of the three main types of early education settings (primary school grades, child care centers and homes, ECEAP/Head Start programs).

Childhood Education and Family Studies, Associate of Science

The Associate of Science Childhood Education and Family Studies Emphasis degree (AS CE&FS) meets all of the requirements for an Associate of Arts Oregon Transfer (AAOT) degree while giving a strong foundation in childhood education and family studies - allowing students to earn a degree that will meet employment requirements for many early childhood programs, and provide an opportunity for a seamlessly transfer into a bachelor's degree program.

All courses specific to childhood education and family studies degrees and certificates are offered online through Southwestern's online platform! Transfer courses that meet Southwestern's course outcomes are readily accepted into the program.

Southwestern's AS CE&FS degree is articulated with Eastern Oregon University's online bachelor's degree with a focus on Early Childhood Education. This degree can also lead to a bachelor's degree in human development, early childhood education or social science with a certificate in early childhood education at Portland State University (PSU) Distance Education programs. Students may petition for adjustments in the Southwestern AS degree if course requirements are met for the first two years of any regionally accredited four-year institution offering a degree in education, early childhood education, family studies, human or child development.

Both the AS CE&FS and AAS CE&FS degrees are accredited through the National Association for the Education of Young Children (NAEYC (<https://www.naeyc.org>)) Early Childhood Associate Degree Accreditation (ECADA) program.

For further program information, contact the Childhood Education Director at ece@socc.edu or visit the Childhood Education & Family Studies (<https://www.socc.edu/childhood>) webpage.

Childhood Education & Family Studies Principles & Goals

Main principles in the Childhood Education & Family Studies Program include:

- Understanding that children lead their own learning based on the level of their development
- Focusing on the importance of families in their roles with their young children
- Respecting diversity
- Addressing the needs of children with diverse abilities in inclusive settings
- Themes of inclusion, bilingual and multicultural education and care
- Critical thinking
- Reflective teaching

These principles are infused throughout the Childhood Education & Family Studies coursework. Coursework and field experiences at every level recognize the social, historical, political, and cultural contexts that have impacted the profession.

Southwestern's Childhood Education & Family Studies (CE&FS) program goals include:

- The CE&FS Program seeks to empower its graduates by enabling them to acquire the knowledge, skills, and dispositions that will allow them to excel in their careers or further educational goals.
- The CE&FS Program seeks to provide opportunities for teacher candidate-child, teacher candidate-classroom teacher, teacher candidate-content and teacher candidate-faculty interaction supporting teacher's professional growth and development.
- The CE&FS Program seeks to provide model early care and education programs and staff for teacher candidates to develop effective knowledge, skills and attitudes.
- Graduates of the Childhood Education & Family Studies (CE&FS) program will possess broad general education and content area knowledge, remain effective and reflective practitioners and problem solvers, apply innovative learning technologies and participate in opportunities for professional growth.

Entry Requirements

Students are required to complete the College's placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the placement process.

All Childhood Education and Family Studies students are required to obtain a valid first aid and CPR card, a Food Handlers Card, and complete HDFS9284 Child Abuse and Neglect Reporting as components of ECE 170 Health & Safety in Early Childhood Education. Students will also be required to have a current immunization record and background check to complete practicum requirements. The requirements will vary per state. Students are encouraged to research requirements for the state regulating organization regarding what will be required to complete the background check.

In Oregon, students must be listed on the Oregon Central Background Registry (CBR). To begin this process, visit the State of Oregon Early Learning Division (<https://www.oregon.gov/occ/pages>) to be prepared to complete practicum work in a certified early learning center, apply for a background check, and receive additional information regarding how to comply with fingerprinting requirements.

Graduation Requirements

Students must complete a minimum of 95 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. Practicum and student teaching courses require students to pass CLASS assessments (<https://teachstone.com/classroom-assessment-scoring-system-class>) to successfully complete the courses. Twenty-four (24) credits must be completed at Southwestern before the AS degree is awarded.

Courses that are developmental in nature, designed to prepare students for college transfer courses, are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Credit for Prior Learning

Credit for prior learning options are available for students with a Preschool Child Development Associate (CDA) credential, an Infant Toddler Child Development Associate (CDA) credential, a Step Seven on the Oregon Registry, or a Certificate of Completion for First Connections

that includes mentoring in an infant toddler learning environment. Contact ece@socc.edu for more information.

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH95	Intermediate Algebra	4
WR90	Paragraph Fundamentals	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
ECE150	Introduction and Observation ECE ¹	3
ECE151	Guidance and Classroom Management ¹	3
ECE152	Creative Activities in ECE	3
HDFS225	Prenatal Infant and Toddler Dev	3
WR121	English Composition	3
or WR121H	or English Composition w/Honors	
Credits		15
Winter		
ECE154	Children's Language and Lit Dev	3
ECE209	Theory and Practicum I ²	3
HDFS247	Preschool Child Development	3
WR122	English Composition	3
or WR122H	or English Composition w/Honors	
Science/Math/Computer Science Course ³		4
Credits		16
Spring		
ECE102	Theory and Practicum II ²	3
ECE240	Lesson and Curriculum Planning	3
ED258	Multicultural Education	3
HDFS229	Development in Middle Childhood	3
WR123	English Composition	3
or WR227	or Report Writing	
Credits		15
Second Year		
Fall		
ED169	Overview of Student Special Needs	3
MTH111	College Algebra ⁴	4
or MTH111H	or College Algebra w/Honors	
Arts and Letters Course ³		3
Science/Math/Computer Science Course ³		4
Speech Course ⁵		3
Credits		17
Winter		
ED280	CWE: Education & Tutoring	3
HDFS140	Contemporary American Families	3
Arts and Letters Courses ³		6

Science/Math/Computer Science Course ⁴	4	
Credits		
16		
Spring		
HDFS222	Family Relations	3
HDFS285	Prof Issues in Early Childhood Ed	3
Science/Math/Computer Science Course ³	4	
PE231	Wellness for Life ⁶	3
or HE250	or Personal Health	
Specific Elective ⁷	3	
Credits		
16		
Total Credits		
95		

- ¹ ECE150 Introduction and Observation ECE and ECE151 Guidance and Classroom Management **must** be taken concurrently for practicum series preparation. A criminal background check is required for all practicum courses.
- ² ECE209 Theory and Practicum I and ECE102 Theory and Practicum II must be taken in sequence. A criminal background check must be on file before enrolling in these courses.
- ³ Refer to the appropriate category of courses listed in AAOT Degree Discipline Studies Requirements (p. 66). Students who have not completed two years of high school foreign language are encouraged to take approved language courses.
- ⁴ MTH105 Math in Society or higher, excluding MTH211 Fundamentals of Elementary, may be substituted for MTH111 College Algebra.
- ⁵ Choose from: SP100 Basic Speech Communications, SP111 Fundamentals of Public Speaking, SP218 Interpersonal Communication or SP219 Small Group Discussion.
- ⁶ **PE185 sport/activity courses will not meet this requirement.**
- ⁷ Specific Electives: FN225 Nutrition, HDFS227 Parents as Partners in Education, or HDFS297 Parenting Ed and Early Childhood Hm. Students completing requirements for the Certificate of Completion in Childhood Education and Family Studies should take FN225 Nutrition.

Program Student Learning Outcomes

Upon successful completion of this degree, students will have knowledge and skills in the following Standards developed by National Association for the Education of Young Children Early Childhood Associate Degree Accreditation (NAEYC (<https://www.naeyc.org>) ECADA) organization:

1. Promoting Child Development and Learning

Students develop and use their understanding of child development – including young children's unique characteristics and needs, and the multiple interacting influences on children's development and learning – to create environments that are healthy, respectful, supportive, and challenging for each child.

Key elements of Outcome 1;

- Describe young children's diverse characteristics and needs, from birth through age 8.
- Explain the multiple influences on early development and learning.
- Use knowledge of child development to create healthy, respectful, supportive, and challenging learning environments for young children.

2. Building Family and Community Relationships

Students articulate the complex characteristics of children's families and communities and use this understanding to create respectful,

reciprocal relationships that support and empower families, and to engage all families in their children's development and learning.

Key elements of Outcome 2;

- a. Describe diverse family and community characteristics.
- b. Develop and implement strategies to support and engage families and communities through respectful, reciprocal relationships.
- c. Develop and implement plans to engage families and communities in young children's development and learning.

3. **Observing, Documenting, and Assessing to Support Young Children and Families**

Students articulate the goals, benefits, and purposes of assessment and use systematic observations, documentation, and other effective assessment strategies in a responsible way, in partnership with families and other professionals, to positively influence the development of every child.

Key elements of Outcome 3;

- a. State the goals, benefits, and purposes of assessment – including its use in development of appropriate goals, curriculum, and teaching strategies for young children.
- b. Use observation, documentation, and other appropriate assessment tools and approaches, including the use of technology in documentation, assessment and data collection.
- c. Practice responsible assessment to promote positive outcomes for each child, including an awareness of assistive technology for children with ability differences.
- d. Describe how assessment partnerships with families and with professional colleagues can be used to build effective learning environments.

4. **Using Developmentally Effective Approaches**

Students implement a wide array of developmentally appropriate approaches, instructional strategies, and tools to connect with children and families and positively influence each child's development and learning, which will vary depending on children's ages, characteristics, and the early childhood setting.

Key elements of Outcome 4;

- a. Discuss how supportive relationships and positive interactions are the foundation of their work with young children.
- b. List and implement effective instructional and guidance strategies and tools for early education, including appropriate uses of technology.
- c. Use a broad repertoire of developmentally appropriate teaching/ learning and guidance approaches.
- d. Reflect on their own practice to promote positive outcomes for each child.

5. **Using Content Knowledge to Build Meaningful Curriculum**

Students develop and apply their knowledge of developmental domains and academic (or content) disciplines to design, implement, and evaluate meaningful, challenging curriculum that promotes comprehensive developmental and learning outcomes for each child.

Key elements of Outcome 5;

- a. Begin to explain content knowledge and resources in academic disciplines: language and literacy; the arts – music, creative movement, dance, drama, visual arts; mathematics; science; physical education – physical activity, health, and safety; and social studies.
- b. Recognize and apply the central concepts, inquiry tools, and structures of content areas or academic disciplines.
- c. Use their own knowledge, appropriate early learning outcomes, and other resources to design, implement, and evaluate

developmentally meaningful and challenging curriculum for each child.

6. **Becoming a Professional**

Students are collaborative learners who continuously demonstrate knowledgeable, reflective and critical perspectives of their work, make informed decisions that integrate knowledge from a variety of sources, including ethical guidelines, and advocate for sound educational practices and policies.

Key elements of Outcome 6;

- a. Identify as a member of the early childhood field and become involved in the professional community.
- b. Locate and apply ethical guidelines and other early childhood professional guidelines.
- c. Engage in continuous, collaborative learning to inform practice; using technology effectively with young children, with peers, and as a professional resource.
- d. Integrate knowledgeable, reflective, and critical perspectives on early education into their work.
- e. Engage in informed advocacy for young children and the early childhood profession.

7. **Early Childhood Field Experiences - These outcomes are to be met at the bachelor's level program upon transfer.**

Students engage in field experiences and clinical practice to develop the knowledge, skills and professional dispositions necessary to promote the development and learning of young children in a variety of early childhood settings and with multiple age groups.

Key elements of Outcome 7;

- a. Observe and practice in at least two of the three early childhood age groups (birth – age 3, 3-5, 5-8).
- b. Observe and practice in at least two of the three main types of early education settings (primary school grades, child care centers and homes, ECEAP/Head Start programs).

Clerical, Certificate of Completion

The Certificate of Completion Clerical prepares students to fulfill a wide variety of entry-level office support positions in any industry. The coursework combines computer skills, filing, word processing, office procedures, and basic bookkeeping. Students will also gain specialized skills in payroll processing, accounts payable/receivable, or desktop publishing.

Click here (<https://www.socc.edu/pathways/roadmapsaz/152-administrative-office-professional>) to learn how credits earned in this program can be applied to the AAS Administrative Office Professional degree.

Gainful Employment Disclosure

Southwestern is required by federal regulations to disclose information related to the College's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with certificate programs.

Gainful employment information for the Certificate of Completion Clerical (<https://www.socc.edu/images/ge/clerical.html>) can be found online.

Graduation Requirements

Students must complete a minimum of 45 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. One course must be completed at Southwestern before the Certificate of Completion Clerical is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH20	Basic Mathematics	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
BA284	Job Readiness	1
CIS120	Concepts of Computing	4
CIS125W	Word Processing Applications	3
OA124	Keyboard Skill Building	3
OA220	Electronic Calculators	1
WR121 or WR121H	English Composition ¹ or English Composition w/Honors	3
Credits		15

Winter

AC2764	Small Business Accounting ²	4
BA205	Solving Communication Problems	4
BA288	Customer Service	3
MTH82	Business Mathematics ³	4
OA240	Filing and Records Management	3
Credits		18

Spring

BA285	Human Relations in Organizations	3
OA116	Office Procedures	3
OA280A	CWE: Office Admin Certification	3
Specific Elective ⁴		3
Credits		12
Total Credits		45

¹ WR115 Introduction to Expository Writing may be substituted for WR121 English Composition.

² BA212 Principles of Accounting II may be substituted for AC2764 Small Business Accounting

³ MTH60 Algebra I, MTH65 Algebra II, MTH95 Intermediate Algebra or higher may be substituted for MTH82 Business Mathematics.

⁴ Specific Electives, choose from: BA156 Essentials of Economics, BA223 Principles of Marketing, BA277 Business Ethics, CIS125PH Computer Applications: Photoshop, any CIS/CS course otherwise not required except CIS90 Computer Basics, or a one-year sequence in a foreign language.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Use computers and office equipment proficiently.
- Organize and protect information resources to meet business needs.
- Perform routine bookkeeping tasks for a small sole proprietorship, partnership, or corporation, including payroll.
- Diplomatically, tactfully, and respectfully interact with diverse populations.
- Describe, explain, and apply concepts of customer service to office work.
- Research technical issues using library, Internet, and specialized reference works.
- Demonstrate effective time management techniques.
- Model professional and ethical behaviors.

Clinical Laboratory Assistant, Certificate of Completion

The Certificate of Completion Clinical Laboratory Assistant prepares students for entry-level positions in clinical laboratory settings, such as medical center clinical laboratories, reference laboratories, research laboratories, physician office laboratories and regulatory agencies.

The program includes instruction in basic anatomy and physiology, medical terminology, phlebotomy, specimen processing, quality control, laboratory orientation, and a practicum/externship in an approved laboratory.

Upon successful program completion, graduates are eligible to take a certification examination and may take the examination through American Medical Technologists (AMT) or American Society for Clinical Pathology (ASCP).

Entry Requirements

This is a restricted-entry program and students must submit a separate application along with their college admission application. Applications are now being accepted for the 2018/19 cohort. For more information contact the Administrative Assistant to the Director of Nursing & Allied Health (<https://www.socc.edu/allied-health>), Sumner Hall, Room 4 or at 541-888-7443 or the Director of Nursing & Allied Health at 541-888-7298.

Students are required to complete the college placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the college placement process.

Clinical Laboratory Assistant students must meet statutory mandates for healthcare providers. These statutes include a criminal background check; immunizations; screening for tuberculosis and substance abuse; CPR/BLS for health care providers; and OSHA trainings.

Gainful Employment Disclosure

Southwestern is required by federal regulations to disclose information related to the College's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with certificate programs.

Gainful employment information for the Certificate of Completion Clinical Laboratory Assistant can be found online. (<https://www.socc.edu/images/ge/clinicallab.html>)

Graduation Requirements

Students must complete a minimum of 48 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. Once course must be completed at Southwestern before the Certificate of Completion Clinical Laboratory Assistant is awarded.

Complete the graduation application process one term prior to the term of completion (e.g. spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH60	Algebra I	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
AH100	Introduction to Health Care Careers	2
AH111	Medical Terminology I	3
AH121	Body Structures and Functions I	3
AH152	Medical Law and Ethics	2
CHEM110 or CHEM110H	Found of Gen, Organic Biochem or Fnds of Gen, Org Biochem w/ Honors	4
CLA100	Clinical Lab Asst Skills I	4
Credits		18
Winter		
CLA105	Clinical Lab Asst Skills II	4
CLA110	Clinical Lab Asst Administrative	2
CLA280A	Clinical Lab Assistant/Practicum I	3
SP100	Basic Speech Communications (or higher)	3
WR115	Introduction to Expository Writing (or higher)	3
Credits		15
Spring		
CLA115	Clinical Lab Assistant Skills III	4
CLA280B	Clinical Lab Assistant/Practicum II	4
BA285	Human Relations in Organizations	3
BI234	Microbiology	4
Credits		15
Total Credits		48

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Practice accepted standards for infection control and safety as mandated by OSHA and CLSI.
- Perform venipunctures and the collection and processing of biological specimens proficiently following CLSI standards.
- Perform specimen transport and processing according to CLSI standards.
- Apply appropriate quality assurance and quality control to waived laboratory testing according to CLIA regulations.
- Provide considerate and respectful care of patients by complying with their rights.
- Follow HIPAA guidelines for the protection of patient safety.
- Utilize effective communication techniques with patients and members of the interdisciplinary healthcare team.
- Apply ICD codes to clinical laboratory setting.

All students in this program are advised to check individual course descriptions for prerequisites.

Computer Information Systems, Associate of Applied Science

The Associate of Applied Science Computer Information Systems (AAS CIS) degree offers program courses focused on technical support in a networked environment. This degree prepares students for employment opportunities in the computer information services industry. The program offers students the opportunity to gain knowledge and hands-on experience to support an organization's information technology infrastructure. The CIS program additionally provides professional continuing education, classes and certificates for individuals working in the field or studying other disciplines.

Students completing the AAS CIS are prepared to seek entry-level employment and entrepreneurial occupations such as network administrator, systems administrator, support technician, and applications specialist/trainer. Click here (<https://www.socc.edu/pathways/roadmapsaz/150-software-support-roadmap>) to see how this program links to other programs in the pathway.

Students planning to earn a bachelor's degree are responsible for researching the departmental requirements of the school to which they plan to transfer. Students planning to transfer may want to consider the AA/OT, AGS or AS degree options.

Graduation Requirements

Students must complete a minimum of 97 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better.

Twenty-four (24) credits must be completed at Southwestern before the AAS Computer Information Systems (CIS) degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH60	Algebra I	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
CIS120X	Problem Solving for CIS Majors	4
CIS140M	Intro to Oper System: Microsoft	4
CIS151	Network Essentials	4
MTH86	Computer Technology Mathematics ¹	4
Credits		16

Winter		
CIS140U	Intro to Operating Systems: Unix	4
CIS145	Hardware Installation Support	4
CIS152	Network Router Configuration	4
CS195	Web Development I	3
Credits		15
Spring		
BA110	Group Dynamics for Teams ²	3
CIS188	Wireless Networking	3
CIS225	End User Support	4
CS133WS	Web Scripting	4
WR115	Introduction to Expository Writing (or higher)	3
Credits		17
Second Year		
Fall		
CS160	Computer Science Orientation	4
CIS250	Technology Entrepreneurship	3
CS275	Database Management	4
PE231	Wellness for Life ³	3
Specific Elective ⁴		3
Credits		17
Winter		
CIS279	Network Management I (Network Hardware)	4
CS161	Introduction to Computer Science I	4
CS244	Systems Analysis	3
SP100	Basic Speech Communications (or higher)	3
Specific Elective ⁴		3
Credits		17
Spring		
CIS280	CWE: Computer Info Systems	4
CS162	Introduction to Computer Science II	4
CS297	SD Professional Capstone	4
Specific Elective ⁴		3
Credits		15
Total Credits		97

¹ MTH105 Math in Society or higher may be substituted for MTH86 Computer Technology Mathematics.

² BA120 Leadership Development, BA285 Human Relations in Organizations; PSY100 Introduction to Psychology, PSY201 General Psychology, PSY201H General Psychology w/Honors, PSY203 General Psychology, or PSY203H General Psychology w/Honors may be substituted for BA110 Group Dynamics for Teams.

³ HE250 Personal Health or three (3) credits of PE185 sport/activity courses may be substituted for PE231 Wellness for Life.

⁴ Specific Electives: Any AC, BA or CS/CIS course not required for the degree; WR227 Report Writing; MTH65 Algebra II; MTH95 Intermediate Algebra or higher; ART225 Computer Art I; or MFG4101 Electrical Systems Troubleshooting.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate the skills and knowledge to install, configure, and maintain end-user computer systems and software
- Demonstrate the skills and knowledge to install, configure and maintain network servers.
- Demonstrate the ability to plan and implement both wired and wireless networks sufficient for home or small business use.
- Demonstrate basic ability to develop new products and services to meet the needs of a changing economy
- Apply project-life-cycle concepts to assist in business need solutions.
- Research, interpret and communicate technical information in written, graphic, diagrammatic, electronic and oral forms.
- Demonstrate the ability to work independently or in a group environment with sensitivity to the business and cultural needs.

Computer Information Systems, Certificate of Completion

The Certificate of Completion Computer Information Systems is a student-designed one-year certificate that includes the first year of the Computer Information Systems and Information Technology core courses. This certificate is intended for students focused on becoming career ready in one year. The core courses give the student a well-rounded basic understanding of technical support of computer information systems in a networked environment. Students completing this certification will be prepared to seek entry-level employment in occupations such as network support specialist or technical support specialist.

Click here (<https://www.socc.edu/pathways/roadmapsaz/150-software-support-roadmap>) to learn how this Career Pathway Certificate can lead to AAS Computer Information Systems degree.

Gainful Employment Disclosure

Southwestern is required by federal regulations to disclose information related to the College's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with certificate programs.

Gainful employment information for the Certificate of Completion Computer Information Systems (<https://www.socc.edu/images/ge/cis.html>) can be found online.

Graduation Requirements

Students must complete a minimum of 48 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. One course must be completed at Southwestern before the Certificate of Completion Computer Information Systems (CIS) degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH60	Algebra I	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
CIS120X	Problem Solving for CIS Majors ¹	4
CIS140M	Intro to Oper System: Microsoft	4
CIS151	Network Essentials	4

MTH86	Computer Technology Mathematics ²	4
Credits		16
Winter		
CIS140U	Intro to Operating Systems: Unix	4
CIS145	Hardware Installation Support	4
CIS152	Network Router Configuration	4
CS195	Web Development I	3
Credits		15
Spring		
BA110	Group Dynamics for Teams ³	3
CIS188	Wireless Networking	3
CIS225	End User Support	4
CS233WS	Computer Language II: Server-Side	4
WR115	Introduction to Expository Writing (or higher)	3
Credits		17
Total Credits		48

¹ CS160 Computer Science Orientation may be substituted for CIS120X Problem Solving for CIS Majors.

² MTH105 Math in Society or higher may be substituted for MTH86 Computer Technology Mathematics.

³ BA120 Leadership Development, BA285 Human Relations in Organizations, PSY100 Introduction to Psychology, PSY201 General Psychology, PSY201H General Psychology w/Honors, PSY203 General Psychology, or PSY203H General Psychology w/Honors may be substituted for BA110 Group Dynamics for Teams.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate a basic knowledge of computer information systems.
- Apply technical skills to implement and maintain computer and network systems solutions and troubleshoot computer and network problems on an entry-level.

Computer Science, Associate of Science Oregon Transfer

Students having the Associate of Science Oregon Transfer - Computer Science (ASOT-CS) degree recognized on an official college transcript will have met the lower division general education requirements of bachelor's degree programs of any Oregon public university.

Students transferring under this agreement will have junior status for registration purposes. Courses, class standing or GPA requirements for specific majors, departments or schools are not necessarily satisfied by an ASOT-CS degree.

Graduation Requirements

Students must complete a minimum of 90 credit hours with a minimum cumulative Grade Point Average (GPA) of 2.0 at the time the ASOT-CS degree is awarded. All courses must be passed with a grade of 'C' or better.

Twenty-four (24) credits must be completed at Southwestern before the ASOT-CS degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Courses (except for elective credits) must be selected from the list of approved courses for the ASOT-CS degree. Each student is encouraged to work with an advisor and/or the University Center (<https://www.socc.edu/uc>) in the selection of courses within the ASOT-CS degree for alignment to the transferring institution.

NOTE: Courses that are developmental in nature (designed to prepare students for college transfer courses) are NOT applicable to this degree.

University - Specific Prerequisites and Recommendations

For specific university transfer requirements see the University Center (<https://www.socc.edu/uc>).

Foundational Requirements

All courses must be completed with a grade of 'C' or better.

Writing

Take three (3) courses:

WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR227	Report Writing	3

Note: Information Literacy is included through embedding the appropriate content and analytical activity in courses that count toward the writing Foundational Requirement.

Mathematics

MTH251	Calculus I Differential Calculus	4
or MTH251H	Calculus I w/Honors	

MTH252	Calculus II Integral Calculus	4
or MTH252H	Calculus II w/Honors	

Communication

Select a **minimum of three (3) credits** of a fundamentals of speech or communication course.

Health, Wellness and Fitness

Three (3) credits of PE185 sport/activity courses, HE250 Personal Health or PE231 Wellness for Life.

Discipline Studies Requirements

Arts and Letters

Three (3) courses chosen from two (2) or more disciplines:

Only second year foreign language courses fulfill the Arts and Letters category.

ART115	Basic Design I, Intro to Elements	4
ART116	Basic Design II, Color Theory	4
ART117	Basic Design III, Intro to 3D Desgn	4
ART131	Introduction to Drawing I	3
ART132	Introduction to Drawing II	3
ART133	Introduction to Drawing III	3
ART191	Beginning Sculpture	3
ART192	Beginning Sculpture	3
ART204	History of Western Art:	3
ART205	History of Western Art:	3
ART206	History of Western Art:	3
ART225	Computer Art I	3
ART244	Bronze Casting	3
ART253	Ceramics I	3
ART256	Ceramics II	3
ART281	Painting I Beginning	3
ART282	Painting II Beginning	3
ART283	Painting III Beginning	3
ART284	Painting I Intermediate	3
ART285	Painting II Intermediate	3
ART286	Painting III Intermediate	3
ASL201	2nd Yr American Sign Language I	4
ASL202	2nd Yr American Sign Language II	4
ASL203	2nd Yr American Sign Language III	4
ENG104	Introduction to Literature Fiction	3
ENG105	Introduction to Literature Drama	3
ENG106	Introduction to Literature Poetry	3
ENG107	World Literature	3
or ENG107H	World Literature w/Honors	
ENG108	World Literature	3
ENG109	World Literature	3
ENG201	Shakespeare	3
ENG204	Survey of English Literature	3
or ENG204H	Survey of English Lit w/Honors	
ENG205	Survey of English Literature	3
ENG206	Survey of English Literature	3

HUM204	World Mythlgy & Religion	3	HST101	History of Western Civilization	3
HUM205	World Mythlgy & Religion	3	HST102	History of Western Civilization	3
HUM206	World Mythlgy & Religion	3	HST103	History of Western Civilization	3
J203	Writing for Media I	3	HST104	History of the Middle East	3
J205	Writing for Media II	3	HST201	History of the United States	3
J215	Publishing Lab	3	HST202	History of the United States	3
MUS101	Music Fundamentals	3	HST203	History of the United States	3
MUS111	Music Theory I	3	HST240	Hist of Oregon and the South Coast	3
MUS112	Music Theory II	3	PS201	American Government Political	3
MUS113	Music Theory III	3	PS202	American Government Policy Issues	3
MUS201	Intro to Music and its Literature	3	PS203	Local Politics and Government	3
MUS202	Intro to Music and its Literature	3	PSY100	Introduction to Psychology	4
MUS203	Intro to Music and its Literature	3	PSY201	General Psychology	3
MUS205	Intro to Jazz History	3	or PSY201H	General Psychology w/Honors	
MUS206	Intro to History of Rock and Roll	3	PSY202	General Psychology	3
MUS211	Advanced Music Theory I	3	or PSY202H	General Psychology w/Honors	
MUS212	Advanced Music Theory II	3	PSY203	General Psychology	3
MUS213	Advanced Music Theory III	3	or PSY203H	General Psychology w/Honors	
PHL101	Introduction to Philosophy	3	PSY216	Social Psychology	3
PHL102	Ethics	3	PSY228	Introduction to Social Science	3
PHL103	Intro to Logic and Critical Thnkg	3	PSY231	Human Sexuality	3
SP100	Basic Speech Communications	3	PSY237	Life Span Development	3
SP111	Fundamentals of Public Speaking	3	PSY239	Introduction to Abnormal Psychology	3
SP218	Interpersonal Communication	3	PSY243	Drugs and Behavior	3
SP219	Small Group Discussion	3	SOC105	Introduction to Criminology	4
SP220	Gender and Communication	3	SOC204	Introduction to Sociology	3
SPAN201	Second Year Spanish	4	SOC205	Social Institutions and Change	3
SPAN202	Second Year Spanish	4	SOC206	Social Problems and Issues	3
SPAN203	Second Year Spanish	4	SOC208	Sociology of Sport	3
WR241	Imaginative Creative Writing	3	SOC210	Marriage and Family	3
WR242	Imaginative Writing Poetry Writing	3	SOC213	Racial and Ethnic Relations	3
WR243	Imaginative Writing Explorations	3	WS101	Introduction to Women's Studies	3

Social Sciences

Two (2) courses chosen from two (2) or more disciplines:

ANTH101	Physical Anthropology and Evolution	3
ANTH102	Introduction to Archaeology	3
ANTH221	Intro to Cultural Anthropology	3
ANTH222	Intro to Cultural Anthropology	3
ANTH223	Intro to Cultural Anthropology	3
ANTH224	Intro to Medical Anthropology	3
ANTH230	Native North Americans: Oregon	3
ANTH231	Native North Americans: PNW	3
ANTH232	Native North Americans	3
CJ101	Intro to Criminology	4
ED169	Overview of Student Special Needs	3
ED258	Multicultural Education	3
GEOG105	Cultural Geography	3
HDFS140	Contemporary American Families	3
HDFS222	Family Relations	3
HDFS229	Development in Middle Childhood	3
HDFS247	Preschool Child Development	3

Science/Mathematics/Computer Science

Four (4) courses from two or more disciplines, including at least three (3) laboratory courses in biological and/or physical science:

Laboratory Courses

BI101	General Biology	4
BI102	General Biology	4
BI103	General Biology	4
BI142	Habitats: Marine Biology	4
BI201	Introductory Biology	4
BI202	Introductory Biology	4
BI203	Introductory Biology	4
BI231	Human Anatomy and Physiology I	4
BI232	Human Anatomy and Physiology II	4
BI233	Human Anatomy and Physiology III	4
BI234	Microbiology	4
CHEM221	General Chemistry I	5
CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
ENV235	Introduction to Soil Science	4

G201	Physical Geology I	4
G202	Physical Geology II	4
G203	Historical Geology	4
GS104	Physical Science	4
GS105	Physical Science	4
GS106	Introduction to Earth Science	4
GS107	Astronomy	4
GS108	Oceanography	4
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5
PH203	Gen Physics III: Elect & Magnetism	5
PH211	Gen Physics w/Calculus I	5
PH212	Gen Physics w/Calculus II	5
PH213	Gen Physics w/Calculus III	5

Other Approved Courses

BI140	Practical Ecology	3
BI149	Introduction to Human Genetics	3
CHEM110	Found of Gen, Organic & Biochem	4
	or CHEM110H Fnds of Gen, Org & Biochem w/Honors	
CS261	Data Structures	4
G146	Geology of Southwestern Oregon	3
G207	Geology of the Pacific Northwest	3
G221	General Geology	3
G246	Geological Hazards	3
MTH105	Math in Society	4
MTH111	College Algebra	4
	or MTH111H College Algebra w/Honors	
MTH112	Trigonometry	4
	or MTH112H Trigonometry w/Honors	
MTH212	Fundamentals of Elementary	4
MTH213	Fundamentals of Elementary	4
MTH231	Elements of Discrete Mathematics I	4
MTH232	Elements of Discrete Mathematics II	4
MTH241	Calculus for Bus and Soc Science I	4
MTH242	Calculus for Bus and Soc Science II	4
MTH243	Intro to Probability and Statistics	4
MTH251	Calculus I Differential Calculus	4
	or MTH251H Calculus I w/Honors	
MTH252	Calculus II Integral Calculus	4
	or MTH252H Calculus II w/Honors	
MTH253	Calculus III	4
	or MTH253H Calculus III w/Honors	
MTH254	Vector Calculus I	4
MTH255	Vector Calculus II	4
MTH256	Differential Equations	4
MTH260	Matrix Methods and Linear Algebra	4

CS-Specific Required Courses

All courses must be completed with a grade of 'C' or better.

CS160	Computer Science Orientation	4
CS161	Introduction to Computer Science I	4

CS162	Introduction to Computer Science II	4
CS261	Data Structures	4
ECON201	Microeconomics	4
ECON202	Macroeconomics	4

Electives

- All courses must be completed with a grade of 'C' or better.
- Students may take any college-level course that would bring total credits to 90 quarter hours including up to 12 credits of college designated Career and Technical Education (career technical). Eight to nine (8-9) credits, depending on choice of transfer institution.
- A maximum of nine (9) credits of PE185 sport/activity courses may be applied to the ASOT-CS degree.
- Three (3) credit hours of PE185 sport/activity courses may be granted toward the ASOT-CS for completion of military basic training. A copy of the military transcript or DD-214 is required.
- Courses numbered 199/299 will qualify as elective credit only.
- A maximum number of 45 credits is allowed for basic, developmental, or supportive courses under federal financial aid guidelines.

Cultural Literacy

Students must select one course from any of the discipline studies that is designated as meeting the statewide criteria for cultural literacy. Courses below meet the Cultural Literacy requirement.

ANTH221	Intro to Cultural Anthropology	3
ANTH222	Intro to Cultural Anthropology	3
ANTH223	Intro to Cultural Anthropology	3
ANTH224	Intro to Medical Anthropology	3
ANTH230	Native North Americans: Oregon	3
ANTH231	Native North Americans: PNW	3
ANTH232	Native North Americans	3
ED258	Multicultural Education	3
ENG107	World Literature	3
	or ENG107H World Literature w/Honors	
ENG108	World Literature	3
ENG109	World Literature	3
GEOG105	Cultural Geography	3
HDFS140	Contemporary American Families	3
HUM204	World Mythlgy & Religion	3
HUM205	World Mythlgy & Religion	3
HUM206	World Mythlgy & Religion	3
HST104	History of the Middle East	3
MUS205	Intro to Jazz History	3
MUS206	Intro to History of Rock and Roll	3
PSY231	Human Sexuality	3
SOC208	Sociology of Sport	3
SOC210	Marriage and Family	3
SOC213	Racial and Ethnic Relations	3
SP220	Gender and Communication	3
WS101	Introduction to Women's Studies	3

1. Oregon public universities offering bachelor's degrees in computer science:
 - a. Eastern Oregon University
 - b. Oregon Institute of Technology
 - c. Oregon State University
 - d. Portland State University
 - e. Southern Oregon University
 - f. University of Oregon
 - g. Western Oregon University
2. Each Oregon public university has slightly different requirements. See the University Center (<https://www.socc.edu/uc>) for specific details.

Criminal Justice, Associate of Applied Science

Students pursuing a career in criminal justice have several career options in public and private corrections, security, and law enforcement arenas. Law enforcement officers may be responsible for protection of life and property, prevention of crimes, and the arrest of violators. Security personnel may be responsible for the protection of property, the prevention of crimes and the detection of those violating laws. Corrections officers may be responsible for maintaining discipline and order in prisons, jails, detention centers, and halfway houses through the supervision and control of residents. Management opportunities in criminal justice and criminal justice administration can include local, state and federal agency work. Persons competing for entry-level criminal justice employment will generally be required to complete an employment application, written and oral exam, drug and psychological screening, background investigation, polygraph, medical exam and physical ability/agility testing.

Graduation Requirements

Students must complete a minimum of 92 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a grade of 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AAS Criminal Justice degree is awarded.

Courses that are developmental in nature, designed to prepare students for college transfer courses, are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH60	Algebra I	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
BA285	Human Relations in Organizations	3
CJ100	Intro to Criminal Justice	4
WR115	Introduction to Expository Writing (or higher)	3
Social Science Elective ¹		3
Elective ²		3
Credits		16

Winter		
CJ101 or SOC105	Intro to Criminology or Introduction to Criminology	4
CJ110	Intro to Policing	4
Social Science Elective ¹		3
Elective ²		3
Specific Elective ³		3
Credits		17

Spring		
CJ220	Introduction to Substantive Law	4
MTH65	Algebra II ⁴	4
SP219	Small Group Discussion ⁵	3
Social Science Elective ¹		3
Specific Elective ³		3
Credits		17

Second Year

Fall		
CJ222	Constitutional Law	4
Social Science Elective ¹		3
Specific Elective ³		3
Elective ²		3
PE185 Physical Education ⁶		1
Credits		14

Winter		
CIS120	Concepts of Computing	4
CJ130	Corrections an Introduction	4
PE185 Physical Education ⁶		1
Specific Elective ³		3
Elective ²		3
Credits		15

Spring		
CJ247	Ethics in Criminal Justice	3
PE185 Physical Education ⁶		1
Social Science Elective ¹		3
Specific Elective ³		6
Credits		13
Total Credits		92

¹ Social Science Electives from: SOC204 Introduction to Sociology, SOC205 Social Institutions and Change, SOC206 Social Problems and Issues, SOC213 Racial and Ethnic Relations, PSY100 Introduction to Psychology, PSY201 General Psychology, PSY201H General Psychology w/Honors, PSY202 General Psychology, PSY202H General Psychology w/Honors, PSY203 General Psychology, PSY203H General Psychology w/Honors, or PSY243 Drugs and Behavior.

² Developmental and remedial courses will not fulfill elective requirement.

³ Specific Electives: WR227 Report Writing; any CJ, EM, PSY, ANTH, or SOC course not included in the degree program.

⁴ MTH95 Intermediate Algebra or higher may be substituted for MTH65 Algebra II.

⁵ SP100 Basic Speech Communications or higher may be substituted for SP219 Small Group Discussion.

⁶ HE250 Personal Health or PE231 Wellness for Life may be substituted for three (3) credits of PE185 sport/activity courses.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Identify the characteristics of professional integrity and ethical standards for Oregon criminal justice professionals.
- Describe and relate the constitutional rights and responsibilities of citizens, offenders, and victims as they apply to state, federal, and procedural laws.
- Describe the processes and technology used to gather, investigate, manage, and report information in the criminal justice field.
- Identify the legal responsibilities of criminal justice professionals as they relate to cultural diversity and establishing positive community relationships.

Criminal Justice, Associate of Science

The Associate of Science (AS) Criminal Justice degree is designed for students who plan to transfer and complete a Bachelor's degree in Criminal Justice (or related field) at specific four-year institutions. It may also be earned as a stand-alone degree for current criminal justice employees or for students who plan to apply for work after the completion of the two-year degree. This degree will satisfy most of the lower division requirements of transfer institutions and is articulated with Southern Oregon University's Criminology and Criminal Justice program.

The AS Criminal Justice is articulated with SOU's Bachelor of Science degree in Criminology and Criminal Justice. Students following this program of study will have met SOU's lower-division general education requirements, will be assured junior standing within the academic major, and will be eligible for admission to the Criminology & Criminal Justice major. The agreement is based on the evaluation of the rigor and content of the general education and technical courses at both Southwestern and SOU and is subject to a yearly re-evaluation by both schools for continuance.

Students should contact the SOU Department of Criminology and Criminal Justice (<http://www2.sou.edu/academics/criminology/programs/criminal-justice-ba-bs>) early in the first year of their AS program to be advised about additional requirements and procedures for admission to the school or program. Students should be aware that if they transfer before completing this degree, their courses will be evaluated individually toward the general education requirements in effect at SOU.

Graduation Requirements

Students must complete a minimum of 96 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a grade of 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AS degree is awarded.

Courses that are developmental in nature, designed to prepare students for college transfer courses, are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH95	Intermediate Algebra	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
CJ100	Intro to Criminal Justice	4
SOC204	Introduction to Sociology ¹	3
SP111	Fundamentals of Public Speaking ²	3
WR121 or WR121H	English Composition or English Composition w/Honors	3
Math/Science/Computer Science Course ³		4
Credits		17
Winter		
CJ101 or SOC105	Intro to Criminology or Introduction to Criminology	4
CJ110	Intro to Policing	4
SOC205	Social Institutions and Change ¹	3
WR122 or WR122H	English Composition or English Composition w/Honors	3
Math/Science/Computer Science Course ³		4
Credits		18
Spring		
CJ220	Introduction to Substantive Law	4
MTH105	Math in Society (or higher)	4
SOC206	Social Problems and Issues ¹	3
WR123 or WR227	English Composition or Report Writing	3
Math/Science/Computer Science Course ³		4
Credits		18
Second Year		
Fall		
CJ222	Constitutional Law	4
MTH243	Intro to Probability and Statistics	4
PS201	American Government Political	3
PE185 Sport/Activity Course ⁴		1
Arts and Letters Course ⁵		3
Credits		15
Winter		
CIS120	Concepts of Computing	4
CJ130	Corrections an Introduction	4
PE185 Sport/Activity Course ⁴		1
Arts and Letters Course ⁵		3
Specific Elective ⁶		3-4
Credits		15-16
Spring		
CJ247	Ethics in Criminal Justice	3
PE185 Sport/Activity Course ⁴		1
Arts and Letters Course ⁵		3
Specific Elective ⁶		6-8
Credits		13-15
Total Credits		96-99

- ¹ PSY201 General Psychology, PSY201H General Psychology w/ Honors, PSY202 General Psychology, PSY202H General Psychology w/Honors, PSY203 General Psychology, PSY203H General Psychology w/Honors may be substituted for SOC204 Introduction to Sociology, SOC205 Social Institutions and Change and SOC206 Social Problems and Issues.
- ² SP218 Interpersonal Communication or SP219 Small Group Discussion may be substituted for SP111 Fundamentals of Public Speaking.
- ³ Refer to Associate of Science (p. 74) Degree Requirement (p. 74) Math/Science/Computer Science course list. At least two of the courses must have labs.
- ⁴ HE250 Personal Health or PE231 Wellness for Life may be substituted for three (3) credits of PE185 sport/activity courses.
- ⁵ Refer to Associate of Science (p. 74) Degree Requirements -- Arts & Letters.
- ⁶ Specific Electives may be selected from any course with the Criminal Justice or Emergency Management prefix.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Identify the characteristics of professional integrity and ethical standards for Oregon criminal justice professionals.
- Describe and relate the constitutional rights and responsibilities of citizens, offenders, and victims as they apply to state, federal, and procedural laws.
- Describe the processes and technology used to gather, investigate, manage, and report information in the criminal justice field.
- Identify the legal responsibilities of criminal justice professionals as they relate to cultural diversity and establishing positive community relationships.

Culinary Arts, Associate of Applied Science

The Associate of Applied Science (AAS) Culinary Arts program offers chef training (basic and advanced) as well as restaurant management skills. After studying the fundamentals of classical and contemporary cuisine and restaurant procedures, students will develop advanced skills in *garde manger* and *a la carte* cooking. Students have the opportunity to choose between a local or distant externship during their final term in the program. The graduate will have the necessary training to work in a variety of culinary positions such as sous chef, garde manger, kitchen supervisor, and restaurant manager.

Oregon Coast Culinary Institute (OCCI) at Southwestern was granted accreditation by the American Culinary Federation (ACF (<https://www.acfchefs.org>)). This accreditation is the highest level available for initial accreditation by the ACF – the premier professional chefs' organization in North America, focusing its efforts on offering education, apprenticeship and industry certification. With the ACF accreditation, OCCI's graduates can gain the title of certified culinarian upon graduation, along with their associate's degrees.

Entry Requirements

For application and fee information, contact OCCI Admissions (<http://www.occinet.net/admissions>) at 541-888-7195.

Graduation Requirements

Students must complete a minimum of 90 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a grade of 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AAS Culinary Arts degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	
MTH20	Basic Mathematics	4

Program Guide

Course	Title	Credits
First Year		
Fall		
CRT2000	Introduction Professional Cooking	5
CRT2001	Basic Food Preparation	6
CRT2002	Intro Food and Beverage Industry	1
CRT2015	Sanitation and Safety for Managers	3
CRT2039	Prof Pres for the Culinary Wrkfrc ¹	3

MTH81	Applied Mathematics for Culinary	4
	Credits	22
Winter		
CRT2003	Baking and Pastry for Culinary Arts	6
CRT2005	Menu Planning and Design	1
CRT2007	Inventory Control and Purchasing	1
CRT2016	Culinary Nutrition ²	3
CRT2050	Regional and International Cuisine	6
CIS120	Concepts of Computing	4
	Credits	21
Spring		
CRT2012	A La Carte I	6
CRT2013	A La Carte II	6
CRT2017	Restaurant Management Supervision	3
CRT2018	Culinary Arts Career Planning	1
WR115	Introduction to Expository Writing (or higher)	3
	Credits	19
Second Year		
Summer		
CRT2004	Introduction Vineyards and Beverage	2
CRT2006	Restaurant Layout and Design	2
CRT2060	Garde Manger	8
HE250	Personal Health ³	3
CRT2038	Applied Visual Principles	1
	Credits	16
Fall		
CRT280C2	CWE: Culinary Arts	12
	Credits	12
	Total Credits	90

¹ May be substituted with SP111 Fundamentals of Public Speaking or higher.

² FN225 Nutrition may be substituted for CRT2016 Culinary Nutrition.

³ PE231 Wellness for Life or three (3) credits of PE185 sport/activity courses can be substituted for HE250 Personal Health.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate understanding of safety and sanitation knowledge through application in the kitchen environment in areas of food handling and kitchen equipment use, including knife handling skills.
- Demonstrate food preparation foundations through applications of basic cooking methods in the areas of the hot kitchen, cold kitchen, and pastry.
- Become familiar with regional and international cuisines through a learned appreciation of native products, flavors and techniques.
- Understand key elements of successfully operating food service establishments by utilizing concepts of nutrition, safe and profitable menu and restaurant design, and further applying critical thinking through food costing, purchasing and receiving, and supervisory management concepts.

Culinary Arts, Certificate of Completion

The Certificate of Completion Culinary Arts program prepares students for the culinary world by offering chef training (basic and advanced) as well as restaurant management skills without the 17 academic credits. After studying the fundamentals of classical and contemporary cuisine and restaurant procedures, students will develop advanced skills in *garde manger* and *a la carte* cooking. The graduate will have the necessary training to work in a variety of entry-level cooking positions such as prep cook and line cook.

Entry Requirements

For application and fee information, contact OCCI Admissions (<https://www.occ.net/admissions>) at 541-888-7195.

Gainful Employment Disclosure

Southwestern is required by federal regulations to disclose information related to the College's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with certificate programs.

Gainful employment information for the Certificate of Completion Culinary Arts (<https://www.socc.edu/images/ge/culinary.html>) can be found online.

Graduation Requirements

Students must complete a minimum of 73 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in the program must be completed with a 'C' or better. One course must be completed at Southwestern before the Certificate of Completion Culinary Arts is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Program Guide

Course	Title	Credits
First Year		
Fall		
CRT2000	Introduction Professional Cooking	5
CRT2001	Basic Food Preparation	6
CRT2002	Intro Food and Beverage Industry	1
CRT2015	Sanitation and Safety for Managers	3
Credits		15
Winter		
CRT2003	Baking and Pastry for Culinary Arts	6
CRT2005	Menu Planning and Design	1
CRT2007	Inventory Control and Purchasing	1
CRT2016	Culinary Nutrition ¹	3
CRT2050	Regional and International Cuisine	6
Credits		17
Spring		
CRT2012	A La Carte I	6

CRT2013	A La Carte II	6
CRT2017	Restaurant Management Supervision	3
CRT2018	Culinary Arts Career Planning	1
Credits		16
Second Year		
Summer		
CRT2004	Introduction Vineyards and Beverage	2
CRT2006	Restaurant Layout and Design	2
CRT2038	Applied Visual Principles	1
CRT2060	Garde Manger	8
Credits		13
Fall		
CRT280C2	CWE: Culinary Arts	12
Credits		12
Total Credits		73

¹ FN225 Nutrition maybe substituted for CRT2016 Culinary Nutrition.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate understanding of safe and effective kitchen equipment use and maintenance.
- Demonstrate expert-level operation of professional kitchen tools and equipment.
- Demonstrate knife skills, knife sharpening techniques, handling a steel, and cutting techniques.
- Understand the basic principles for using seasoning and flavoring to create good tasting food.
- Obtain ServSafe Certification.
- Demonstrate food preparation for the following cooking methods - saute, broil, grill, braise, deep and stir fry, and poach.
- Become familiar with regional and international cuisine. Develop an appreciation for native products, herbs, and foods.
- Understand the basic principles of emulsification and all aspects of the elements of cold food pantry.
- Describe and apply the principles of nutrition to maximize nutrient retention in food preparation.

Culinary Management, Associate of Applied Science

The Associate of Applied Science (AAS) Culinary Management program offers chef training (basic and advanced) as well as restaurant management skills. After studying the fundamentals of classical and contemporary cuisine and restaurant procedures, students will develop advanced skills in *garde manger* and *a la carte* cooking. Students will have the opportunity to choose between a local or distant externship during their final term in the program. The graduate will have the necessary training to work in a variety of culinary positions such as sous chef, garde manger, kitchen supervisor, and restaurant manager.

Oregon Coast Culinary Institute (OCCI) at Southwestern was granted accreditation by the American Culinary Federation (ACF (<https://www.acfchefs.org>)). This accreditation is the highest level available for initial accreditation by the ACF – the premier professional chefs' organization in North America – focusing its efforts on offering education, apprenticeship and industry certification. With the ACF accreditation, OCCI's graduates can apply for the title of certified culinarian upon graduation, along with their associate's degrees. This degree utilizes the same curriculum as the Culinary Arts degree, except that during the final terms the Culinary Management student will take up to an additional 27 academic credits. This will allow the student to transfer into the Bachelor of Applied Science in Hospitality and Tourism at Southern Oregon University. With this degree the student will transfer to Southern Oregon University with junior standing for registration purposes. Those interested in transferring into SOU's Hospitality & Tourism degree program should meet with University Center (<https://www.socc.edu/uc>) staff to plan the additional credits needed.

Entry Requirements

For application and fee information, contact OCCI Admissions (<http://www.occinet.net/admissions>) at 541-888-7195.

Graduation Requirements

Students must complete a minimum of 106 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a grade of 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AAS Culinary Management degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	
MTH95	Intermediate Algebra	4
or MTH98	Math Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
CRT2000	Introduction Professional Cooking	5
CRT2001	Basic Food Preparation	6
CRT2002	Intro Food and Beverage Industry	1
CRT2015	Sanitation and Safety for Managers	3
CRT2039	Prof Pres for the Culinary Wrkfr	3
Credits		18
Winter		
CRT2003	Baking and Pastry for Culinary Arts	6
CRT2005	Menu Planning and Design	1
CRT2007	Inventory Control and Purchasing	1
CRT2016	Culinary Nutrition ¹	3
CRT2050	Regional and International Cuisine	6
CIS120	Concepts of Computing	4
Credits		21
Spring		
CRT2012	A La Carte I	6
CRT2013	A La Carte II	6
CRT2017	Restaurant Management Supervision	3
CRT2018	Culinary Arts Career Planning	1
Credits		16
Second Year		
Summer		
CRT2004	Introduction Vineyards and Beverage	2
CRT2006	Restaurant Layout and Design	2
CRT2038	Applied Visual Principles	1
CRT2060	Garde Manger	8
HE250	Personal Health	3
Credits		16
Fall		
CRT280C1	CWE: Culinary Arts	6
BA211	Principles of Accounting I	4
ECON201	Microeconomics	4
WR122	English Composition	3
Credits		17
Winter		
CRT280C1	CWE: Culinary Arts	6
ECON202	Macroeconomics	4
MTH243	Intro to Probability and Statistics	4
WR121	English Composition	3
or WR121H	or English Composition w/Honors	
Credits		17
Total Credits		105

¹ FN225 Nutrition may be substituted for CRT2016 Culinary Nutrition.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate understanding of safe and effective kitchen equipment use and maintenance.
- Demonstrate expert-level operation of professional kitchen tools and equipment.
- Demonstrate knife skills, knife sharpening techniques, handling a steel, and cutting techniques.
- Understand the basic principles for using seasoning and flavoring to create good tasting food.
- Obtain ServSafe Certification.
- Demonstrate food preparation for the following cooking methods - saute, broil, grill, braise, deep and stir fry, and poach.
- Understand basic principles of baking through formulas and measurement, mixing and gluten development and the baking process.
- Prepare a variety of pastry products.
- Become familiar with regional and international cuisine. Develop an appreciation for native products, herbs, and foods.
- Understand the basic principles of emulsification and all aspects of the elements of cold food pantry.
- Utilize concept of menu planning, cost control, purchasing, receiving, quality standards, profit, and staffing costs.
- Describe and apply the principles of nutrition to maximize nutrient retention in food preparation.
- Demonstrate supervisory skills and abilities utilizing critical thinking skills.

Database Programming, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Database Programming is a less than one year certificate that includes Computer Science and SQL/ Database core subjects. This certificate is intended for students focused on gaining skills to becoming employable. Student completing this certificate will be prepared to seek entry-level employment in occupations involving databases, networking, data collection, or data mining and software development.

Click here (<https://www.socc.edu/pathways/roadmapsaz/312-cis-software-development-roadmap>) to learn how this Career Pathway Certificate can lead to an AAS in CIS Software Development.

Graduation Requirements

Students must complete a minimum of 24 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Database Programming degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH60	Algebra I	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
CS160	Computer Science Orientation	4
MTH86	Computer Technology Mathematics	4
	Credits	8
Winter		
CS161	Introduction to Computer Science I	4
	Credits	4
Spring		
CS162	Introduction to Computer Science II	4
	Credits	4
Second Year		
Fall		
CS275	Database Management	4
	Credits	4

Winter

CS276	Advanced SQL	4
	Credits	4
	Total Credits	24

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Plan, write and debug software applications within multiple programming environments.
- Design, administer, and maintain a database.
- Apply project life cycle concepts to assist in finding solutions to business needs.
- Research, interpret, and communicate technical information in written, graphic, diagrammatic, electronic and oral forms.
- Demonstrate the ability to work independently or in a group environment with sensitivity to needs of customers and coworkers.

Dental Assisting, Certificate of Completion

The Certificate of Completion Dental Assisting is a four-term certificate that prepares students to meet the requirements to become a dental assistant with expanded functions (EFDA). Upon completion, students are eligible to sit for the Dental Assisting National Board (DANB (<https://www.danb.org>)) exams: National Entry Level Dental Assisting (NELDA) exam, the Radiation Health and Safety (RHS) exam, and the Infection Control Exam (ICE). The curriculum is based on general dentistry. Students are trained in four-handed chairside assisting techniques to work with general dentists during all phases of examination and treatment. Students also gain experience in the administrative aspects of dentistry such as scheduling, patient communication, charting and billing. Curriculum is derived from identified learning outcomes relevant to the discipline.

Gainful Employment Disclosure

Southwestern is required by federal regulations to disclose information related to the College's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with certificate programs.

Gainful employment information for the Certificate of Completion Dental Assisting (<https://www.socc.edu/images/ge/dental.html>) can be found online.

Graduation Requirements

Students must complete a minimum of 55 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in the program must be completed with a 'C' or better. All courses must be completed at Southwestern before the Certificate of Completion Dental Assisting is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

MTH20	Basic Mathematics	4
WR90	Paragraph Fundamentals	3

Program Guide

Course	Title	Credits
First Year		
Fall		
AH111	Medical Terminology I	3
DEN101	Dental Assisting I	4
DEN102	Infection Control	2
DEN103	Introduction to Dental Assisting	1
HE252	First Aid & CPR Professional Rescue	3
Credits		13

Winter		
DEN104	Dental & Medical Emergency Mngmt	2
DEN105	Dental Materials	2
DEN106	Dental Administration	2
DEN107	Practicum in Dental Assisting I	4
DEN108	Legal & Ethical Issues in Dentistry	2
MTH60	Algebra I (or higher)	4
Credits		16
Spring		
DEN109	Dental Assisting II	4
DEN110	Dental Radiology	4
DEN111	Practicum in Dental Assisting II	4
Credits		12
Summer		
DEN112	Chairside Assisting	2
DEN113	Expanded Functions Dental Assistant	2
DEN280	CWE: Dental Assisting	4
BA285	Human Relations in Organizations	3
WR115	Introduction to Expository Writing ¹	3
Credits		14
Total Credits		55

¹ WR121 English Composition, WR122 English Composition, WR123 English Composition or WR227 Report Writing may be substituted for WR115 Introduction to Expository Writing.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate an understanding of dental instruments and terminology.
- Demonstrate general chairside skills.
- Demonstrate radiographic proficiency.
- Demonstrate an understanding of legal and ethical issues in dentistry.
- Demonstrate proficiency in infection control techniques.
- Demonstrate occupational safety skills.
- Demonstrate patient education and management skills.
- Demonstrate administrative office skills.
- Demonstrate laboratory skills.

Digital Design, Certificate of Completion

The Certificate of Completion Digital Design is designed to successfully prepare students for entry-level support positions in the expanding field of digital design through an integrated curriculum exposing students to design principles and technical strategies. Upon successful completion of the Certificate of Completion Digital Design, students are prepared for a variety of entry-level support positions in numerous digital design fields. Students attain knowledge and learn skills to seek careers in creative and support professions within such media industries as graphic design and web design. Check out the Digital Design (<https://www.socc.edu/digitaldesign>) webpage!

Click here (<https://www.socc.edu/pathways/roadmapsaz/1052-digital-design-roadmap>) to see how this certificate can lead to an AAS degree in Digital Design.

Gainful Employment Disclosure

Southwestern is required by federal regulations to disclose information related to the College's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with certificate programs.

Gainful employment information for the Certificate of Completion Digital Design (<https://www.socc.edu/images/ge/digital.html>) can be found online.

Graduation Requirements

Students must complete a minimum of 51 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Certificate of Completion Digital Design is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH20	Basic Mathematics	4
WR80	Sentence Fundamentals (or placement test score)	3

Program Guide

Course	Title	Credits
First Year		
Fall		
ART115	Basic Design I, Intro to Elements	4
ART131	Introduction to Drawing I	3
CIS125PH	Computer Applications: Photoshop	3
DD160	Digital Design Orientation	3

MTH60	Algebra I (or higher)	4
Credits		17
Winter		
ART110	Digital Photography I	3
ART116	Basic Design II, Color Theory	4
CIS120	Concepts of Computing ¹	4
CS195	Web Development I	3
DD235PH	Digital Design App: Photoshop	3
Credits		17
Spring		
ART117	Basic Design III, Intro to 3D Design	4
BA285	Human Relations in Organizations ²	3
CIS125IL	Computer Applications: Illustrator	3
CS133WS	Web Scripting	4
WR90 or WR90R	Paragraph Fundamentals ³ or Academic Literacy	3
Credits		17
Total Credits		51

¹ CIS120X Problem Solving for CIS Majors may be substituted for CIS120 Concepts of Computing.

² BA110 Group Dynamics for Teams, BA120 Leadership Development; PSY100 Introduction to Psychology, PSY201 General Psychology, PSY201H General Psychology w/Honors, PSY203 General Psychology, or PSY203H General Psychology w/Honors may be substituted for BA285 Human Relations in Organizations.

³ WR90R Academic Literacy is a 4 credit course.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Create and edit digital images and graphics.
- Create and edit interactive web pages.
- Work effectively as part of a design team.
- Discuss professional design principles and practices.

Digital Image Foundations, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Digital Image Foundations is designed to successfully prepare students for careers in the expanding fields of digital design and media productions through an integrated curriculum exposing students to design principles and technical strategies. The certificate provides foundational knowledge and skills that can qualify students for entry-level employment in digital graphics with organizations offering on the job training or qualify students for advancement within their current employment.

Click here (<https://www.socc.edu/pathways/roadmapsaz/1052-digital-design-roadmap>) to learn how this Career Pathway Certificate can lead to an AAS in CIS Digital Design.

Graduation Requirements

Students must complete a minimum of 12 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Digital Image Foundations is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90 Computer Basics (or demonstrate proficiency) 2

Program Guide

Course	Title	Credits
First Year		
Fall		
CIS125PH	Computer Applications: Photoshop	3
DD160	Digital Design Orientation	3
	Credits	6
Winter		
DD235PH	Digital Design App: Photoshop	3
	Credits	3
Spring		
CIS125IL	Computer Applications: Illustrator	3
	Credits	3
	Total Credits	12

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Create and edit digital images and graphics.
- Discuss professional design principles and practices.
- Work effectively as part of a design team.

Digital Interactive Foundations, Career Pathway Certificate of Completion

- Work effectively as part of a design team.

The Career Pathway Certificate of Completion: Digital Interactive Foundations is designed to successfully prepare students for careers in the expanding fields of digital design and media productions through an integrated curriculum exposing students to design principles and technical strategies. The certificate provides foundational knowledge and skills that can qualify students for entry-level employment in interactive web page design with organizations offering on the job training or qualify students for advancement within their current employment.

Click here (<https://www.socc.edu/pathways/roadmapsaz/1052-digital-design-roadmap>) to learn how this Career Pathway Certificate can lead to a AAS CIS Digital Design degree.

Graduation Requirements

Students must complete a minimum of 13 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Digital Interactive Foundations is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90 Computer Basics (or demonstrate proficiency) 2

Program Guide

Course	Title	Credits
First Year		
Fall		
CIS125DW	Computer Applications: Dreamweaver	3
CIS125PH	Computer Applications: Photoshop	3
	Credits	6
Winter		
CS195	Web Development I	3
	Credits	3
Spring		
CS133WS	Web Scripting	4
	Credits	4
	Total Credits	13

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Create and edit interactive web pages.
- Discuss professional design principles and practices.

EMS Technician I, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: EMS Technician I program offers career training for entry-level personnel as an Emergency Medical Technician (EMT) plus additional training/skills employers are seeking. The EMS Technician I offers greater education in ambulance/emergency vehicle operations as well as proper pre-hospital documentation, radio communications, and rescue operations. Successful completion of the EMT 151, 152, and 280 (embedded in this Career Pathway Certificate) leads to eligibility to sit for the State of Oregon and National Registry of Emergency Medical Technicians (NREMT (<https://www.nremt.org/rwd/public/document/emt>)) certifying exam. To see how this Career Pathway Certificate links to other programs click here (<https://www.socc.edu/pathways/roadmapsaz/313-emergency-medical-technology-roadmap>).

Entry Requirements

Students are required to complete the college placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the college placement process. Students will also be required to complete a separate EMT program application for the level of Emergency Medical Technician for entry into EMT151 Emergency Medical Technician Part A.

Graduation Requirements

Students must complete a minimum of 20 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in the program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: EMS Technician I is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Program Guide

Course	Title	Credits
Fall		
EMT175	Intro Emergency Medical Services	3
	Credits	3
Winter		
EMT151	Emergency Medical Technician Part A	5
EMT170	Emergency Response & Communication	2
EMT171	Emergency Response Transport	2
	Credits	9
Spring		
EMT152	Emergency Medical Technician Part B	4
EMT169	Emergency Medical Technology Rescue	3
EMT280	CWE: EMT	1
	Credits	8
	Total Credits	20

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate personal behaviors consistent with professional and employer expectations of an entry-level EMT.
- Operate various radios used in pre-hospital setting.
- Describe the importance of the safety and well-being of the EMT during rescue operations.
- Create an in depth pre-hospital care report of patient care.

EMS Technician II, Certificate of Completion

The Certificate of Completion EMS Technician II, one-year certificate program is accredited by the Oregon Department of Education and the Oregon Health Authority Department of Human Services - EMS. It offers career training for entry-level personnel in EMT, increased training/skills employers are seeking, plus additional education in science. Students will gain a better understanding of human anatomy and injury. Successful completion of the EMT 151, 152, and 280 (included in this Certificate) leads to eligibility to sit for the State of Oregon and National Registry of Emergency Medical Technicians (NREMT (<https://www.nremt.org/rwd/public/document/emt>)) certifying exam.

Successful completion of the curriculum leads to a one-year certificate and eligibility to apply for the second year of the AAS Paramedic program at Southwestern or any other Oregon community college offering the AAS degree. Click here (<https://www.socc.edu/pathways/roadmapsaz/313-emergency-medical-technology-roadmap>) to learn more.

Entry Requirements

Students are required to complete the college placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the college placement process. Students will also be required to complete a separate EMT program application for the level of Emergency Medical Technician for entry into EMT151 Emergency Medical Technician Part A.

Gainful Employment Disclosure

Southwestern is required by federal regulations to disclose information related to the College's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with certificate programs.

Gainful employment information for the Certificate of Completion Emergency Medical Technician (EMT) (<https://www.socc.edu/images/ge/emt.html>) can be found online.

Graduation Requirements

Students must complete a minimum of 48 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in the program must be completed with a 'C' or better. One course must be completed at Southwestern before the Certificate of Completion EMS Technician II is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CHEM110	Found of Gen, Organic & Biochem ¹	4
	or CHEM110H Fnds of Gen, Org & Biochem w/Honors	
CIS90	Computer Basics (or demonstrate proficiency)	2

MTH60	Algebra I	4
WR90	Paragraph Fundamentals (or placement in a higher 3-4 writing course)	
or WR90R	Academic Literacy	

¹ CHEM223 General Chemistry III may be substituted for CHEM110 Found of Gen, Organic & Biochem or CHEM110H Fnds of Gen, Org & Biochem w/Honors.

Program Guide

Course	Title	Credits
Fall		
AH111	Medical Terminology I	3
BI231	Human Anatomy and Physiology I	4
EMT175	Intro Emergency Medical Services	3
PSY201	General Psychology ¹	3
or PSY201H	or General Psychology w/Honors	
WR121	English Composition	3
or WR121H	or English Composition w/Honors	
Credits		16
Winter		
BI232	Human Anatomy and Physiology II	4
EMT151	Emergency Medical Technician Part A	5
EMT170	Emergency Response & Communication	2
EMT171	Emergency Response Transport	2
MTH65	Algebra II ²	4
Credits		17
Spring		
BI233	Human Anatomy and Physiology III	4
CJ203	Crisis Intervention	3
EMT152	Emergency Medical Technician Part B	4
EMT169	Emergency Medical Technology Rescue	3
EMT280	CWE: EMT	1
Credits		15
Total Credits		48

¹ PSY203 General Psychology or PSY203H General Psychology w/Honors may be substituted for PSY201 General Psychology.

² MTH95 Intermediate Algebra, MTH105 Math in Society or higher may be substituted for MTH65 Algebra II.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate personal behaviors consistent with professional and employer expectations of an entry-level EMT.
- Demonstrate technical proficiency in all of the skills necessary to fulfill the role of an entry-level EMT.
- Comprehend, apply and evaluate information relative to the role of an entry-level EMT in the cognitive domain.
- Employ knowledge in human physiology for the treatment of sick and injured patients.
- Demonstrate an understanding of human psychology and physiology and how it relates to the treatment of the sick and injured.

Elementary Education, Associate of Science

NEW PROGRAM!

Southwestern and Southern Oregon University (SOU) have partnered to create a seamless pathway for earning an elementary teaching license on the South Coast! Southwestern's Associate of Science (AS) in Elementary Education prepares students to directly transfer into SOU's Bachelor of Science (BS) in Elementary Education. This associate's degree alone establishes a strong foundation in early education, and will also benefit students that are interested in pursuing a career as Instructional Assistants in elementary school settings.

The AS in Elementary Education includes foundational courses, professional education courses, specific general education courses, as well as field experiences to prepare graduates to enter most Elementary Education degree programs. This degree meets all of the requirements of an Associate of Arts Oregon Transfer (AAOT) degree and is articulated with SOU's Bachelor's of Science (BS) in Elementary Education program. Students choosing to transfer to SOU's program will have junior standing.

Students that transfer to SOU for the BS in Elementary Education have the option of completing the program through the Southwestern Oregon Community College campus. The SOU program includes face-to-face and online courses. Half of the face-to-face courses will be held on the South Coast and half will require travel to Medford one Saturday per month. For further information about SOU's BS program, visit the University Center (<https://www.socc.edu/uc>) or contact SOU Department of Education (<https://inside.sou.edu/education/eed>).

Graduation Requirements

Students must complete a minimum of 90 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AS degree is awarded.

Courses that are developmental in nature, designed to prepare students for college transfer courses, are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

MTH95	Intermediate Algebra	4
WR90	Paragraph Fundamentals (or placement in a higher 3-4 writing course)	
or WR90R	Academic Literacy	

Course	Title	Credits
First Year		
Fall		
GEOG105	Cultural Geography ¹	3
SP111 or SP219	Fundamentals of Public Speaking or Small Group Discussion	3

WR121 or WR121H	English Composition or English Composition w/Honors	3
Elective		2
Science Course ⁵		4
Credits		15
Winter		
HDFS247	Preschool Child Development	3
WR122 or WR122H	English Composition or English Composition w/Honors	3
US or World History		3
Elective or Social Science		3
Literature course (ENG)		3
Credits		15
Spring		
HDFS229	Development in Middle Childhood	3
HE250	Personal Health	3
WR123	English Composition	3
Science Course ⁶		4
Literature course (ENG)		3
Credits		16
Second Year		
Fall		
ED169	Overview of Student Special Needs ²	3
ED200	Introduction to Education ²	3
MTH211	Fundamentals of Elementary ³	4
Elective		3
Music or Art History/Appreciation course		3
Credits		16
Winter		
ED135	Teaching Math to Young Children ²	3
ED202	Art Education for Elementary Ed ²	3
ED280	CWE: Education & Tutoring (Preschool Environment) ⁴	1
MTH212	Fundamentals of Elementary ³	4
Science Course ⁷		4
Credits		15
Spring		
ED134	Children Who are Dual Lang Learners ²	2
ED201	Music Education for Elementary Ed ²	3
ED258	Multicultural Education ²	3
ED280	CWE: Education & Tutoring (Elementary K-3 environment) ⁴	1
MTH213	Fundamentals of Elementary ³	4
Credits		13
Total Credits		90

¹ GEOG105 Cultural Geography is **offered every other fall** starting Fall 2018.

² These classes are only offered once per year in the term in which they appear.

³ MTH 211, MTH212, MTH213 sequence is **offered every other year** starting Fall 2017. Prerequisite is MTH95 Intermediate Algebra.

- ⁴ ED280 CWE: Education & Tutoring: 1 credit must be completed in a Preschool Environment (Ages 2¹/₂-5) and 1 credit must be completed in Elementary School (Grade K-3). Internships have specific requirements; please call 541-888-7405 to make an appointment with an advisor to schedule site.
- ⁵ First year fall term students must take a science course with a minimum of 4 credits. Select from one of the following courses: CHEM221, G201, GS 104, GS105, GS106, GS107, GS108, PH201, PH211.
- ⁶ First year spring term students must take a science course with a minimum of 4 credits. Select from one of the following courses BI103, BI203, BI243, CHEM 223, G203, GS104, GS105, GS106, GS107, GS108, PH 203/213.
- ⁷ Second year winter term students must take a science course with a minimum of 4 credits. Select from one of the following courses: BI102, BI202, BI243

Program Student Learning Outcomes

Upon successful completion of this program (AS Elementary Education - AS EE), the student will:

- Develop professional knowledge of theory and pedagogy appropriate for Pre-Kindergarten, Elementary, and Middle-level school settings.
- Reflect on the scope and role of public education in American life.
- Describe and apply child development principles in planning lessons for children from pre-Kindergarten through early adolescence.
- Build background knowledge in content disciplines for teaching in pre-Kindergarten through middle-level grade settings.
- Gain experience in pre-Kindergarten through middle-level education settings via practicum and course assignments.
- Demonstrate the completion of foundational student learning outcomes required for the AAOT degree.

Emergency Medical Technician (EMT), Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Emergency Medical Technician (EMT) program offers career training for entry-level personnel as an Emergency Medical Technician (EMT) with the added education of a more rich history of EMS and the safety and well-being of the EMT. Successful completion of this EMT Career Pathway Certificate of Completion leads to eligibility to sit for the State of Oregon and National Registry of Emergency Medical Technicians (NREMT (<https://www.nremt.org/rwd/public/document/emt>)) certifying exam. To see how this Career Pathway Certificate links to other programs click here (<https://www.socc.edu/pathways/roadmapsaz/313-emergency-medical-technology-roadmap>).

Entry Requirements

Students are required to complete the college placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the college placement process. Students will also be required to complete a separate EMT program application for the level of Emergency Medical Technician for entry into EMT151 Emergency Medical Technician Part A.

Graduation Requirements

Students must complete a minimum of 13 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in the program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Emergency Medical Technician (EMT) is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Program Guide

Course	Title	Credits
Fall		
EMT175	Intro Emergency Medical Services	3
	Credits	3
Winter		
EMT151	Emergency Medical Technician Part A	5
	Credits	5
Spring		
EMT152	Emergency Medical Technician Part B	4
EMT280	CWE: EMT	1
	Credits	5
	Total Credits	13

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate personal behaviors consistent with professional and employer expectations of an entry-level EMT.
- Explain the origins and history of EMS.

- Describe the importance of the safety and well-being of the EMT during rescue operations.

Field Surveying and Mapping, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Field Surveying and Mapping can be completed in two terms. Students completing this certificate will gain a basic knowledge and the skills to be employed in an entry-level position in the forestry field.

Click here (<https://www.socc.edu/pathways/roadmapsaz/157-forestry>) to learn how this Career Pathway Certificate can lead to an AAS Forestry degree.

Graduation Requirements

Students must complete a minimum of 15 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in the program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Field Surveying and Mapping is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS120	Concepts of Computing (or demonstrate proficiency)	4
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Program Guide

Course	Title	Credits
Winter		
GEOG265	Intro to Geographical Info Systems	3
FE209	Forest Photogrammetry & Intro to	4
F222A	Elementary Forest Surveying	4
Credits		11
Spring		
F223	Forest Measurements	4
Credits		4
Total Credits		15

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Discuss important forest management challenges and potential solutions.
- Discuss characteristics of regional forests, field techniques, and management practices.
- Demonstrate basic skills in forest surveying, remote sensing, geographic information systems, and spreadsheet applications.

Fire Science Technology, Associate of Applied Science

The Associate of Applied Science (AAS) Fire Science Technology program includes the necessary general education and specialized fire and emergency services coursework to prepare students for careers in the fire service. Students will learn fundamental firefighting skills such as utilizing protective clothing and equipment, conducting search and rescue operations, advancing hoselines, and operating fire streams. Students will also be challenged with the academic aspect of firefighting in subjects including building construction, fire behavior, strategies and tactics, and fire prevention. With the knowledge, skills, and abilities gained from this program of study, students will be aptly prepared for a career in the fire service.

Students are required to complete internship credits as part of their degree plan. During this internship, students become affiliated with a fire department and gain valuable on-the-job experience while working with professional firefighters. Students have the opportunity to build a professional network, learn through practical experience (i.e. training, emergency response, etc.), and receive valuable leadership and guidance. It is highly recommended that students complete their internship credits locally, while in school to maximize the experience.

For more information, please visit the program website (<http://programs.socc.edu/fire-science>).

Graduation Requirements

Students must complete a minimum of 92 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in the program must be completed with a 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AAS in Fire Science Technology degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH20	Basic Mathematics	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
FS100	Principles of Emergency Services	3
MTH60	Algebra I ¹	4
WR121	English Composition	3
or WR121H	or English Composition w/Honors	
Health/Physical Education Course ²		3

Human Relations Course ³		3
Credits		16
Winter		
CIS120	Concepts of Computing	4
FS105	Firefighter Fundamentals I	4
FS120	Building Const Related to Fire Svc	3
FS180	Internship: Fire Science	1
Speech Course ⁴		3
Credits		15
Spring		
EMT169	Emergency Medical Technology Rescue	3
FS110	Firefighter Fundamentals II	4
FS125	Principles of Fire and Emergency S	4
FS180	Internship: Fire Science	1
Elective ⁵		3
Credits		15
Second Year		
Fall		
FS115	Firefighter Fundamentals III	4
FS200	Strategy and Tactics	3
FS205	Fire Prevention	3
FS280	CWE: Fire Science	1
Elective ⁵		4
Credits		15
Winter		
EMT151	Emergency Medical Technician Part A	5
FS210	Hazardous Materials & Weapons of MD	3
FS215	Legal Aspects of Emergency Services	3
FS280	CWE: Fire Science	1
Elective ⁵		4
Credits		16
Spring		
EMT152	Emergency Medical Technician Part B	4
EMT280	CWE: EMT	1
FS220	Fire Protection Systems	3
FS225	Prin of Fire & Emerg Service Admin	3
Elective ⁵		4
Credits		15
Total Credits		92

¹ MTH65 Algebra II or higher may be substituted for MTH60 Algebra I, excluding MTH81 Applied Mathematics for Culinary and MTH211 Fundamentals of Elementary .

² PE231 Wellness for Life, HE250 Personal Health or three (3) credits of PE 185 sport/activity courses will fulfill this requirement.

³ Choose from BA120 Leadership Development, BA285 Human Relations in Organizations, PSY201 General Psychology, PSY201H General Psychology w/Honors, PSY202 General Psychology, PSY202H General Psychology w/Honors, PSY203 General Psychology, or PSY203H General Psychology w/Honors to fulfill this requirement.

⁴ Choose from SP100 Basic Speech Communications, SP111 Fundamentals of Public Speaking, SP218 Interpersonal Communication, SP219 Small Group Discussion, or SP220 Gender and Communication to fulfill this requirement.

⁵ Student may take any course that fulfills Oregon Transfer Module (p. 157) (OTM) Foundational Skills or Introduction to Discipline Studies requirements, as well as any FS, EMT, and/or CJ course to fulfill this requirement. The courses selected to fulfill the Elective requirement must not be a specified requirement of this degree program.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate technical proficiency in fundamental firefighting skills.
- Apply critical-thinking and decision-making skills relevant to fire service scenarios.
- Demonstrate behaviors consistent with professional and employer expectations.

Fire Science, Associate of Science

The Associate of Science (AS) in Fire Science is designed to meet the needs of students who plan on pursuing a Bachelor's or higher degree at a university. Fire departments and private agencies are increasingly expecting candidates for administrator and supervisor positions to have higher levels of education. Fire Science coursework is developed using model curriculum from the United States Fire Administration's Fire and Emergency Services Higher Education initiative. Students will study relevant topics including building construction, firefighting strategies and tactics, fire prevention, and fire protection systems.

For more information, please visit the program website (<http://programs.socc.edu/fire-science>).

Graduation Requirements

Students must complete a minimum of 90 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in the program must be completed with a 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AS in Fire Science degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH95	Intermediate Algebra	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
FS100	Principles of Emergency Services	3
MTH105	Math in Society ¹	4
WR121 or WR121H	English Composition or English Composition w/Honors	3
Arts and Letters Course ²		3
Health/Physical Education Course ²		3
Credits		16
Winter		
FS120	Building Const Related to Fire Svc	3
MTH243	Intro to Probability and Statistics	4
WR122 or WR122H	English Composition ³ or English Composition w/Honors	3
Arts and Letters Course ²		3
Social Science Course ²		3
Credits		16

Spring		
FS125	Principles of Fire and Emergency S	4
Arts and Letters Course ²		3
Social Science Course ²		3
Speech Course ²		3
Credits		13
Second Year		
Fall		
FS200	Strategy and Tactics	3
FS205	Fire Prevention	3
Arts and Letters Course ²		3
Science, Math, or Computer Science Course ²		4
Social Science Course ²		3
Credits		16
Winter		
FS215	Legal Aspects of Emergency Services	3
Arts and Letters Course ²		3
Science, Math, or Computer Science Course ²		4
Social Science Course ²		3
Credits		13
Spring		
FS220	Fire Protection Systems	3
FS225	Prin of Fire & Emerg Service Admin	3
Electives		6
Science, Math, or Computer Science Course ²		4
Credits		16
Total Credits		90

¹ MTH105 Math in Society or higher.

² Select any course from appropriate Associate of Science (p. 74) General Education Requirements category.

³ WR227 Report Writing may be substituted for WR122 English Composition.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Apply critical-thinking and decision-making skills relevant to fire service scenarios.
- Apply core fire science knowledge to prevention, training, operational, and administrative situations relevant to the fire service.
- Demonstrate effective verbal and nonverbal communication in emergency and nonemergency situations including, but not limited to: communicating on the fireground, drafting administrative documents, handling disciplinary issues, completing incident reports, and conducting public education.
- Complete general education requirements in preparation to transfer to a four-year degree program.

Forest Technology, Certificate of Completion

The Certificate of Completion Forest Technology can be completed within one year and is designed to prepare students for entry-level employment in the forestry field in supervised positions such as forester aides, surveyor assistant, measurement technician, and field mapping aide.

Click here (<https://www.socc.edu/pathways/roadmapsaz/157-forestry>) to learn how this Certificate of Completion can lead to an AS in Forestry.

Gainful Employment Disclosure

Southwestern is required by federal regulations to disclose information related to Southwestern's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with Southwestern's certificate programs.

Gainful employment information for the Certificate of Completion Forest Technology (<https://www.socc.edu/images/ge/forest.html>) can be found online.

Graduation Requirements

Students must complete a minimum of 46 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Certificate of Completion Forest Technology is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	
MTH55	Introductory Technical Mathematics ¹	4
CIS120	Concepts of Computing (or demonstrate proficiency)	4

¹ MTH20 Basic Mathematics may be taken in place of MTH55 Introductory Technical Mathematics.

Program Guide

Course	Title	Credits
Fall		
ENV235	Introduction to Soil Science	4
F111	Introduction to Forestry	4
MTH80	Technical Mathematics I (or higher) ¹	4
WR115	Introduction to Expository Writing (or higher)	3
Credits		15

Winter

CIS125S	Spreadsheet Applications	3
F222A	Elementary Forest Surveying	4
F280	CWE: Forestry	1
FE209	Forest Photogrammetry & Intro to	4
GEOG265	Intro to Geographical Info Systems	3
Credits		15

Spring

F223	Forest Measurements	4
F241	Dendrology	5
F251	Recreation Resource Management	4
BA285	Human Relations in Organizations ²	3
Credits		16
Total Credits		46

¹ MTH60 Algebra I or higher may be substituted for MTH80 Technical Mathematics I.

² BA110 Group Dynamics for Teams, BA120 Leadership Development, PSY100 Introduction to Psychology, PSY201 General Psychology, PSY201H General Psychology w/Honors, PSY203 General Psychology, or PSY203H General Psychology w/Honors may be substituted for BA285 Human Relations in Organizations.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Discuss important forest management challenges and potential solutions.
- Discuss characteristics of regional forests, field techniques, and management practices.
- Demonstrate basic skills in forest surveying, remote sensing, geographic information systems, and spreadsheet applications.

Program Notes

Students who are receiving Financial Aid Funds and wishing to receive the Forest Technology Certificate, in addition to the AS Forestry Emphasis, will need to petition for a dual major.

Forestry, Associate of Science

The Associate of Science (AS) degree, with an emphasis in Forestry, provides students with an introduction to the technical and scientific knowledge related to the field of forestry and forest management. This set of classes satisfies the requirements for an AS degree and also meets the lower division requirements at Oregon State University (OSU) for a Bachelor of Science in Forestry. There is a signed articulation agreement with the Forestry Department at Oregon State University that allows students who complete this AS degree and two additional courses to enter OSU as a junior in the Forestry program.

This degree is also articulated with the University of Idaho. If interested in transferring to the University of Idaho, talk to an advisor for the specific details surrounding this articulation.

Check out the Forestry/Natural Resources (<https://www.socc.edu/forestry>) program website!

The forestry field is projected to have many career opportunities coming up in the next decade as many forestry and natural resources professionals retire in the next few years. Students who enjoy working outdoors and want to have a career that focuses on managing our valuable forest lands to conserve and protect resources as well as produce valuable products for society should consider this degree.

Graduation Requirements

Students must complete a minimum of 93 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AS degree is awarded.

Courses that are developmental in nature, designed to prepare students for college transfer courses, are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	
MTH95	Intermediate Algebra	4

Program Guide

Course	Title	Credits
First Year		
Fall		
F111	Introduction to Forestry	4
MTH111 or MTH111H	College Algebra or College Algebra w/Honors	4
PE231	Wellness for Life	3
SP111	Fundamentals of Public Speaking	3

WR121 or WR121H	English Composition or English Composition w/Honors	3
Credits		17
Winter		
BI202	Introductory Biology	4
CIS125S	Spreadsheet Applications	3
ECON201	Microeconomics	4
MTH112 or MTH112H	Trigonometry or Trigonometry w/Honors	4
Credits		15
Spring		
F241	Dendrology	5
MTH243	Intro to Probability and Statistics	4
WR227	Report Writing	3
Western Culture Course ¹		3
Credits		15
Second Year		
Fall		
CHEM221	General Chemistry I	5
ENV235	Introduction to Soil Science	4
GEOG265	Intro to Geographical Info Systems	3
PH201	Gen Physics I: Mechanics	5
Credits		17
Winter		
F222A	Elementary Forest Surveying	4
FE209	Forest Photogrammetry & Intro to	4
F250	Forest Biology	4
Literature & Arts Course ²		3
Credits		15
Spring		
F251	Recreation Resource Management	4
MTH241	Calculus for Bus and Soc Science I	4
Cultural Diversity Course ³		3
Western Culture Course ⁴		3
Credits		14
Total Credits		93

¹ Choose from: SOC206 Social Problems and Issues, HST201 History of the United States, HST202 History of the United States, or HST203 History of the United States.

² Choose from: ENG104 Introduction to Literature Fiction, ENG105 Introduction to Literature Drama, ENG106 Introduction to Literature Poetry, ENG107 World Literature, ENG107H World Literature w/Honors, ENG108 World Literature, ENG201 Shakespeare, ENG204 Survey of English Literature, ENG205 Survey of English Literature, ENG206 Survey of English Literature, MUS201 Intro to Music and its Literature, ART101 Art Appreciation, ART204 History of Western Art., ART205 History of Western Art., or ART206 History of Western Art..

³ Choose from: ANTH230 Native North Americans: Oregon, ANTH231 Native North Americans: PNW, or ANTH232 Native North Americans, HST104 History of the Middle East.

- ⁴ Choose from: PHL102 Ethics, HST101 History of Western Civilization, HST102 History of Western Civilization, HST103 History of Western Civilization, HST201 History of the United States, HST202 History of the United States, HST203 History of the United States, MUS201 Intro to Music and its Literature, ENG201 Shakespeare, ENG204 Survey of English Literature, ENG205 Survey of English Literature, ENG206 Survey of English Literature, ART204 History of Western Art; ART205 History of Western Art; or ART206 History of Western Art.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Integrate technical field skills with analytical skills to identify important forest management challenges and identify potential solutions for these problems.
- Explain and discuss important current issues, and social and political components of forest management in the United States and other countries.
- Demonstrate basic skills in forest surveying, recreation management, soil science, remote sensing, geographic information systems, and spreadsheet applications.
- Identify important tree species in the Pacific Northwest.

Geographic Information Systems, Less Than One Year Certificate of Completion

The Less Than One Year Certificate of Completion Geographic Information Systems (GIS) can be completed in less than one year and will give students the basic knowledge and skills to be employed in an entry-level position in the GIS field. GIS has an advantage in that it is applicable to an array of career paths, including forestry, natural resources, planning, or real estate, just to mention a few.

Graduation Requirements

Students must complete a minimum of 34 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Less Than One Year Certificate of Completion Geographical Information Systems is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH20	Basic Mathematics	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
CIS125S	Spreadsheet Applications	3
GEOG265	Intro to Geographical Info Systems	3
MTH98	Math Literacy (or higher)	4
Credits		10
Winter		
CIS125DB	Database Applications	3
F222A	Elementary Forest Surveying	4
FE209	Forest Photogrammetry & Intro to	4
GEOG270	Adv Topics in Geog Info Systems	3
Credits		14
Spring		
BA285	Human Relations in Organizations	3
GEOG275	Fundamentals of Cartography	3
GEOG277	GIS Capstone	1

WR115	Introduction to Expository Writing (or higher)	3
Credits		10
Total Credits		34

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Discuss the benefits and applications of GIS and Cartographic technology
- Demonstrate skills in geographic information systems and cartographic design
- Plan and carry out GIS analyses independently
- Design, build, and use spatial databases

Health Care Career Core, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Health Care Career Core was designed based on the 2001 Institute of Medicine report "Crossing the Quality Chasm: A New Health System for the 21st Century" recommended that all health professionals should be educated to deliver patient-centered care as members of an interdisciplinary team, emphasizing evidence-based practice, quality improvement approaches, and informatics. These five core competencies are taught within an interdisciplinary student-centered environment.

Click here (<https://www.socc.edu/pathways/roadmapsaz/314-medical-assistant-roadmap>) to learn how this Pathway Certificate can lead to an Associate of Applied Science Medical Assistant. For other medically-related training see the Allied Health (<https://www.socc.edu/allied-health>) website.

Graduation Requirements

Students must complete a minimum of 14 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Health Care Career Core is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90 Computer Basics (or demonstrate proficiency) 2

Program Guide

Course	Title	Credits
First Year		
Fall		
AH100	Introduction to Health Care Careers	2
CIS120	Concepts of Computing	4
	Credits	6
Winter		
BA285	Human Relations in Organizations ¹	3
HIM110	Health Information Technology	5
	Credits	8
	Total Credits	14

¹ PSY203 General Psychology or PSY203H General Psychology w/Honors may be substituted for BA285 Human Relations in Organizations.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Provide patient-centered care: Identify, respect, and care about patients' differences, values, preferences, and expressed needs;

coordinate care, listen to, clearly inform, communicate with, and educate patients; share decision-making and management; and continuously advocate disease prevention, wellness, and promotion of healthy lifestyles.

- Work in interdisciplinary teams: Cooperate, collaborate, communicate, integrate care in teams to ensure that care is continuous and reliable.
- Employ evidence-based practice: Integrate best research with clinical expertise and patient values for optimum care, and participate in learning and research activities to the extent feasible.
- Apply quality improvement: Identify errors and hazards in care; understand and implement basic safety design principles, such as standardization and simplification; continually understand and measure quality of care in terms of structure, process, and outcomes in relation to patient and community needs; and design and test interventions to change processes of care with the objective of improving quality.
- Utilize informatics: Communicate, manage knowledge, mitigate error, and support decision-making using information technology.

Home Health Care Aide, Career Pathway Certificate of Completion

This Career Pathway Certificate of Completion: Home Health Care Aide is designed to prepare students for the Nursing Assistant Level One certification and for successful employment as a CNA1 or Home Health Aide. The Program combines classroom, skills lab instruction, and hands-on clinical experience, designed to prepare students to care for clients in a variety of settings including; long-term care, intermediate care, home health, hospice care, acute care, foster care and assisted living situations. The program includes instruction in basic bedside nursing skills, basic restorative skill, mental health and social service needs, personal care skills, knowledge of clients' rights, concepts of safety and preventing complications, communicating patient responses to the nurse, and documenting/recording outcomes of patient care, patient advocacy, health promotion, and the use of contemporary medical records systems. For additional medically-related programs see Allied Health (<https://www.socc.edu/allied-health>) webpage.

The NUR120 Nursing Assistant Level 1 course is an Oregon State Board of Nursing (OSBN) approved course. Upon successful completion of the course, students are eligible to sit for the Oregon State Board of Nursing-sanctioned CNA Level 1 examination.

Click here (<https://www.socc.edu/pathways/roadmapsaz/156-healthcare-career-core-roadmap>) to see how this certificate fits within other programs at Southwestern.

Graduation Requirements

Students must complete a minimum of 20 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in the program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Home Health Care Aide is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
NUR120	Nursing Assistant Level 1 ¹	9
	Credits	9
Winter		
HIM110	Health Information Technology	5
NUR9195	Home Health Care Aide	3

HS154 or HS155	Community Resources or Interviewing Theory and Techniques	3
	Credits	11
	Total Credits	20

¹ Students who hold a current Oregon Nursing Assistant Certificate may substitute this course with specific electives. This course has a separate application process. NUR120 Nursing Assistant Level 1 requires a course application be submitted to document requirements such as immunizations, drug screen, current CPR card, and criminal background check. Also, OSBN requires applicants for nursing assistant certifications to provide fingerprints in order for a national criminal history record check be conducted by the OSBN.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Be eligible to sit for the Oregon State Board of Nursing-sanctioned CNA Level 1 examination and be able to function as a professional in the role of a CNA1/Home Health Care Aide in a residential setting.
- Be able to demonstrate basic patient advocacy, health promotion, and basic medical records maintenance.
- Follow treatment plans prescribed by physicians, nurses, and other health professionals.

Infant Toddler Development, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Infant Toddler Development offers students a well-rounded understanding of the physical, cognitive and social development of infants and toddlers, and how to put that knowledge into appropriate practice, by offering a combination of lecture and practicum courses. The practicum experience is embedded in a foundation of basic early childhood education, child and early literacy development and family relations courses. Coursework includes a focus on developing foundational knowledge of high quality developmentally appropriate practice, observation/assessment, and working in positive partnerships with parents. All courses are offered online.

Click here (<https://www.socc.edu/pathways/roadmapsaz/158-childhood-education-family-studies-roadmap>) to learn how this Pathway Certificate can lead to an AAS in Childhood Education and Family Studies.

Entry Requirements

Students are required to complete the College's placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the placement process.

All Childhood Education and Family Studies students are required to obtain a valid first aid and CPR card, a Food Handlers Card, and complete HDFS9284 Child Abuse and Neglect Reporting as components of ECE170 Health & Safety in Early Childhood Education. Students will also be required to have a current immunization record and background check to complete practicum requirements. The requirements will vary per state. Students are encouraged to research the requirements from the state regulating organization regarding what will be required to complete the background check.

In Oregon, students must be listed on the Oregon Central Background Registry (CBR). To begin this process, visit the State of Oregon, Early Learning Division (<https://www.oregon.gov/occ/pages>) to be prepared to complete practicum work in a certified early learning center, apply for a background check, and receive additional information regarding how to comply with fingerprinting requirements.

Graduation Requirements

Students must complete a minimum of 18 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. Infant Toddler Practicum courses require students to pass PICCOLO assessments (<https://www.brookespublishing.com/resource-center/screening-and-assessment/piccolo>) to successfully complete the courses. One course must be completed at Southwestern before this certificate is awarded.

Courses that are developmental in nature, designed to prepare students for college transfer courses, are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Credit for Prior Learning

Credit for prior learning options are available for students with a Preschool Child Development Associate (CDA) credential, an Infant

Toddler Child Development Associate (CDA) credential, a Step Seven on the Oregon Registry, or a certificate of completion for First Connections that includes mentoring in an infant-toddler learning environment. Contact ece@socc.edu for more information.

Course	Title	Credits
First Year		
Fall		
ECE150	Introduction and Observation ECE ¹	3
HDFS225	Prenatal Infant and Toddler Dev	3
Credits		6
Winter		
ECE154	Children's Language and Lit Dev	3
ECE161	Infant and Toddler Practicum I ²	3
Credits		6
Spring		
ECE162	Infant and Toddler Practicum II ²	3
HDFS222	Family Relations	3
Credits		6
Total Credits		18

¹ Students must complete a criminal history check prior to starting ECE150 Introduction and Observation ECE.

² Student must have a current criminal history check on file before starting these practica.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Have an understanding of, and ability to, practice within an infant toddler classroom including culturally relevant activities, to meet each child's individual developmental needs and to be able to create a healthy, respectful, supportive and challenging learning environment. (NAEYC Standard 1)
- Have an understanding of, and ability to, create and participate in respectful, reciprocal relationships with family members of infants and toddlers. (NAEYC Standard 2)
- Have an understanding of and skills to participate in effective observation and assessment of infants and toddlers. (NAEYC Standard 3)
- Be able to integrate knowledge of family relations, child development and developmentally appropriate practices to offer an effective infant toddler teaching and learning environment. (NAEYC Standard 4)

Marine Biology Emphasis, Associate of Science

The Associate of Science (AS) Marine Biology Emphasis is designed for students who intend to transfer to the University of Oregon (UO) and complete their degree at Oregon Institute of Marine Biology (OIMB), majoring in marine biology. The background offered by this major, however, is entirely appropriate for preparation for upper division emphasis in other professional fields such as medical, dental or veterinary school.

The AS degree, as presented, also satisfies the requirements for an AA/OT for ease of transfer to any Oregon public university. By completing general education requirements for the AA/OT, as well as the recommended science courses, students will be able to transfer to UO and complete a BS in Marine Biology or a BS in Biology with a Marine Biology Emphasis.

Career options for marine biology graduates include jobs in state and federal government, advanced training for research and teaching in the marine sciences, and most other careers available to broadly trained biologists.

The following program outline is one of many possible course configurations that would satisfy the requirements for an AS Marine Biology Emphasis and AA/OT transfer degree and also fulfill basic requirements for graduation from UO. Each student should meet with an advisor to determine appropriate sequence of courses to be taken, depending on placement scores, transfer credits, and other factors.

Upon completion of an AS Marine Biology Emphasis (and AA/OT) and transfer to UO, additional courses need to be taken at the Eugene campus. These courses include organic chemistry CH331 and CH335, BI214, and physics (unless it was taken at SWOCC) and upper division Biology courses. Additional Biology courses are then taken at OIMB (a minimum of three quarters are required at OIMB in Charleston).

Graduation Requirements

Students must complete a minimum of 91 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AS degree is awarded.

Courses that are developmental in nature, designed to prepare students for college transfer courses, are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics	2
MTH95	Intermediate Algebra	4
WR90	Paragraph Fundamentals (or placement in higher writing course) ¹	3
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
BI201	Introductory Biology	4
MTH111 or MTH111H	College Algebra or College Algebra w/Honors	4
WR121 or WR121H	English Composition or English Composition w/Honors	3
Arts and Letters Course ¹		3-4
PE185 Sport/Activity Course ²		1
Credits		15-16
Winter		
BI202	Introductory Biology	4
MTH112 or MTH112H	Trigonometry or Trigonometry w/Honors	4
WR122 or WR122H	English Composition or English Composition w/Honors	3
Social Science Course ³		3
PE185 Sports/Activity Course ²		1
Credits		15
Spring		
BI111	Marine Habitats of the Oregon Coast	1
BI203	Introductory Biology	4
GS108	Oceanography	4
WR123 or WR227	English Composition or Report Writing	3
Social Science Course ³		3
Credits		15
Second Year		
Fall		
CHEM221	General Chemistry I	5
MTH251 or MTH251H	Calculus I Differential Calculus or Calculus I w/Honors	4
SP100	Basic Speech Communications ⁴	3
Arts and Letters Course ¹		3
Credits		15
Winter		
CHEM222	General Chemistry II	5
MTH252 or MTH252H	Calculus II Integral Calculus or Calculus II w/Honors	4
Arts and Letters Course ¹		3
Social Sciences Course ³		3
Credits		15
Spring		
BI142	Habitats: Marine Biology	4
BI180 or BI280	Internship: Biology or CWE: Biology	3
CHEM223	General Chemistry III	5
Social Science Course ³		3

PE185 Sport/Activity Course ²	1
Credits	16
Total Credits	91-92

- ¹ WR90R Academic Literacy is a 4 credit course
- ² Select nine (9) credit hours in Arts & Letters from AA/OT Discipline Studies Requirements (p. 66) courses.
- ³ HE250 Personal Health or PE231 Wellness for Life may be substituted for three (3) credits of PE185 sport/activity courses.
- ⁴ Select nine (9) credit hours of Social Sciences from Discipline Studies Requirements (p. 66) courses.
- ⁵ SP111 Fundamentals of Public Speaking, SP218 Interpersonal Communication, or SP219 Small Group Discussion may be substituted for SP100.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Fulfill the student learning outcomes for an AA/OT or an AS degree.
- Participate in recommended science courses that could include introductions to oceanography and marine biology in preparation for transfer into a marine biology program.
- Enhance science skills and technical modes of inquiry with recommended elective credits.

Marketing, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Marketing is for students who wish to update skills or increase advancement potential.

Courses are designed to provide students with a strong basic understanding of fundamentals and current practices in the field of marketing. Businesses will find this short-term certificate especially helpful in quickly training present and new employees in basic subject matter pertinent to the marketing function.

This Career Pathway Certificate leads to an Associate of Applied Science in Business Management/Entrepreneurship. To see how this program links to others in the Pathway click here (<https://www.socc.edu/pathways/roadmapsaz/317-business-management-entrepreneurship-roadmap>).

Graduation Requirements

Students must complete a minimum of 27 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Marketing is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Course	Title	Credits
First Year		
Fall		
BA101	Introduction to Business	4
BA238	Sales	3
WR115	Introduction to Expository Writing (or higher)	3
Credits		10
Winter		
BA205	Solving Communication Problems	4
BA223	Principles of Marketing	3
CIS120	Concepts of Computing	4
Credits		11
Spring		
BA233	E-Marketing	3
BA239	Advertising	3
Credits		6
Total Credits		27

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate effective communication skills including both verbal and written.
- Describe the marketing methods including the analysis and inter-relationship of the marketing mix: Product, price, place and promotion.

- Develop/implement a marketing plan to achieve the goals of a business.

Medical Aide, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Medical Aide prepares students to work in a medical office or as an aide in a health care setting. Medical clerical workers or aides will process and transmit information to physicians, patients, and office personnel and outside organizations. These activities require a good command of the English language, medical terminology, and a basic understanding of the structure and functions of the human body. Medical clerical workers or aides must be tactful in their dealings with many different people, and therefore should possess excellent interpersonal skills. Discretion, judgment, organizational ability, and initiative are important, as well as versatility and adaptability. Conscientiousness, a sense of responsibility, and respect for the confidential nature of medical information are also required. Sample jobs/titles include: Home health aide, residence assistant, office clerk/receptionist. For information on other medically-related careers check out the Allied Health (<https://www.socc.edu/allied-health>) website.

This Career Pathway Certificate leads to an Associate of Applied Science Medical Assistant. To see how this program links to others at Southwestern click here (<https://www.socc.edu/pathways/roadmapsaz/314-medical-assistant-roadmap>).

Graduation Requirements

Students must complete a minimum of 31 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Medical Aide is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
OA121	Beginning Keyboarding	3

Program Guide

Course	Title	Credits
First Year		
Fall		
AH100	Introduction to Health Care Careers	2
AH111	Medical Terminology I	3
AH121	Body Structures and Functions I ¹	3
CIS120	Concepts of Computing	4
OA124	Keyboard Skill Building	3
Credits		15
Winter		
AH112	Medical Terminology II	3
AH122	Body Structures and Functions II ¹	3

AH152	Medical Law and Ethics	2
BA285	Human Relations in Organizations ²	3
HIM110	Health Information Technology	5
Credits		16
Total Credits		31

¹ BI231 Human Anatomy and Physiology I, BI232 Human Anatomy and Physiology II, and BI233 Human Anatomy and Physiology III sequence may be substituted for AH121 Body Structures and Functions I & AH122 Body Structures and Functions II.

² PSY203 General Psychology or PSY203H General Psychology w/Honors may be substituted for BA285 Human Relations in Organizations.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Apply prefix, suffix, and root word meanings related to human body systems, to the pathology, diagnostic procedures and treatments associated with these systems.
- Describe normal structure and function of all human body systems.
- Demonstrate effective communication skills (listening and speaking) that can be applied in future employment settings.

Medical Assistant, Associate of Applied Science

The Associate of Applied Science (AAS) Medical Assistant prepares students in the first year of the curriculum to perform initial clerical and administrative duties in medical, clinical, hospitals, and other medical facilities. The student will be prepared to schedule and receive patients, obtain patient data, receive payment, maintain medical records, data processing, perform general office skills, operate office equipment, and assume medical office responsibilities.

The second year adds skills in pharmacology, phlebotomy, and clinical skills with emphasis on the role of the medical assistant as an integral member of the medical care delivery team. This includes performing patient intake, medication documentation, routine diagnostics and recording procedures, pre-examination and examination assistance, preparing and administering medications, and first aid. Students are instructed in basic anatomy and physiology, medical terminology, medical law and ethics, patient psychology and communication, medical office procedures, clinical diagnostic examination, testing and treatment procedures.

Three different career pathways can lead to the AAS Medical Assistant. To see how this program links to other programs at Southwestern click here (<https://www.socc.edu/pathways/roadmapsaz/314-medical-assistant-roadmap>).

Entry Requirements

This is a restricted-entry program and students must submit a separate application along with their college admission application. Applications are now being accepted for the 2017-2018 cohort. For more information contact the Program Secretary, Sumner Hall, Room 4 at 541-888-7443 or Susan Walker, Director of Nursing and Allied Health at 541-888-7298, or the Southwestern Allied Health (<https://www.socc.edu/allied-health>) web page for further application information.

Students are required to complete the College's placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the placement process.

Due to the nature of this curriculum and the access to drugs, all students will have to declare themselves "drug free" and be subject to a criminal background check. Any student who is unable, for any reason, to complete the practice parts of this curriculum will not be able to continue in the program. Drug testing will be done prior to clinical practice. Graduates may choose to take a national certification examination at the successful conclusion of the program.

Graduation Requirements

Students must complete a minimum of 90 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AAS Medical Assistant degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH20	Basic Mathematics	4
OA121	Beginning Keyboarding	3
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
AH100	Introduction to Health Care Careers	2
AH111	Medical Terminology I	3
CIS120	Concepts of Computing	4
MTH60	Algebra I ¹	4
OA124	Keyboard Skill Building	3
		Credits
		16
Winter		
AH112	Medical Terminology II	3
AH121	Body Structures and Functions I ²	3
AH150	Medical Office Coding	3
BA285	Human Relations in Organizations ³	3
HIM110	Health Information Technology	5
		Credits
		17
Spring		
AH122	Body Structures and Functions II ²	3
AH151	Reimbursement Management	3
AH152	Medical Law and Ethics	2
OA116	Office Procedures	3
WR115	Introduction to Expository Writing (or higher)	3
		Credits
		14
Second Year		
Fall		
AH131	Clinical Procedures I	4
AH280A	CWE: Allied Health Front Office ⁴	2
CLA100	Clinical Lab Asst Skills I	4
OA205	Proofreading and Editing	3
		Credits
		13
Winter		
AC2764 or BA212	Small Business Accounting or Principles of Accounting II	4
AH132	Clinical Procedures II	4
OA240	Filing and Records Management	3
PHAR5472	Pharmacology I	3
		Credits
		14
Spring		
BA177	Payroll Records and Accounting	3

PE231	Wellness for Life ⁵	3
SP218	Interpersonal Communication ⁶	3
Specific Elective ⁷		3
Credits		12

Third Year**Summer**

AH280B	CWE: Allied Health Back Office ⁸	4
Credits		4
Total Credits		90

¹ MTH65 Algebra II, MTH95 Intermediate Algebra or higher may be substituted for MTH60 Algebra I.

² BI231 Human Anatomy and Physiology I, BI232 Human Anatomy and Physiology II, and BI233 Human Anatomy and Physiology III sequence may be substituted for AH121 Body Structures and Functions I & AH122 Body Structures and Functions II.

³ PSY203 General Psychology or PSY203H General Psychology w/Honors may be substituted for BA285 Human Relations in Organizations.

⁴ All of the first year courses must be completed with a 'C' or better before taking AH280A CWE: Allied Health Front Office.

⁵ HE250 Personal Health or three (3) credits of PE185 sport/activity courses may be substituted for PE231 Wellness for Life.

⁶ SP100 Basic Speech Communications, SP111 Fundamentals of Public Speaking, or SP219 Small Group Discussion may be substituted for SP218 Interpersonal Communication.

⁷ Specific Elective: PHL103 Intro to Logic and Critical Thnkg, CHEM110 Found of Gen, Organic & Biochem, CHEM110H Fnds of Gen, Org & Biochem w/Honors, PHAR5473 Pharmacology II, BI149 Introduction to Human Genetics, FN225 Nutrition

⁸ All of the first and second year courses must be completed with a 'C' or better before taking AH280B CWE: Allied Health Back Office.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate general knowledge of medical terminology, anatomy and physiology, and medical law and ethics.
- Demonstrate proficiency in medical office administrative practices.
- Demonstrate comprehensive knowledge of clinical practice.

Medical Clerical, Certificate of Completion

The Certificate of Completion Medical Clerical prepares students to perform initial clerical and administrative duties in medical, clinical, hospitals, or healthcare facilities. The graduate will be prepared to schedule and receive patients, obtain patient data, receive payment, maintain medical records, data processing, perform general office skills, office equipment operation, and assume general medical office responsibilities. The student will demonstrate effective communication skills in dealing with patients, medical personnel and peers.

This Certificate of Completion leads to an AAS Medical Assistant. To see how this program links to other programs in the Pathway click here (<https://www.socc.edu/roadmaps/314-medical-assistant-roadmap>).

Gainful Employment Disclosure

Southwestern is required by federal regulations to disclose information related to the College's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with certificate programs.

Gainful employment information for the Certificate of Completion Medical Clerical (<https://www.socc.edu/images/ge/medclerical.html>) can be found online.

Graduation Requirements

Students must complete a minimum of 49 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Certificate of Completion Medical Clerical is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH20	Basic Mathematics	4
OA121	Beginning Keyboarding	3
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
AH100	Introduction to Health Care Careers	2
AH111	Medical Terminology I	3
CIS120	Concepts of Computing	4
MTH60	Algebra I ¹	4

OA124	Keyboard Skill Building	3
Credits		16
Winter		
AH112	Medical Terminology II	3
AH121	Body Structures and Functions I ²	3
AH150	Medical Office Coding	3
BA285	Human Relations in Organizations ³	3
HIM110	Health Information Technology	5
Credits		17
Spring		
AH122	Body Structures and Functions II ²	3
AH151	Reimbursement Management	3
AH152	Medical Law and Ethics	2
OA116	Office Procedures	3
WR115	Introduction to Expository Writing(or higher)	3
Credits		14
Second Year		
Summer		
AH280A	CWE: Allied Health Front Office ⁴	2
Credits		2
Total Credits		49

¹ MTH65 Algebra II, MTH95 Intermediate Algebra or higher may be substituted for MTH60 Algebra I.

² BI231 Human Anatomy and Physiology I, BI232 Human Anatomy and Physiology II, and BI233 Human Anatomy and Physiology III sequence may be substituted for AH121 Body Structures and Functions I & AH122 Body Structures and Functions II.

³ PSY203 General Psychology or PSY203H General Psychology w/Honors may be substituted for BA285 Human Relations in Organizations.

⁴ All of the first year courses must be completed with a 'C' or better before taking AH280A CWE: Allied Health Front Office.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate general knowledge of medical terminology, anatomy and physiology, and medical law and ethics.
- Demonstrate proficiency in medical office administrative practices.
- Demonstrate proficiency in word processing.

Natural Resources, Associate of Science

Southwestern's Natural Resources program provides students with an introduction to the technical and scientific knowledge related to natural resource policy and management. Students can prepare for careers in natural resource planning, management, conservation and education roles with government agencies, non-governmental organizations and in educational settings.

The program guide lists the required courses for the AS degree. The program guide also lists recommended electives appropriate for the field. For more info, check out the Southwestern's Forestry/Natural Resources (<https://www.socc.edu/forestry>) webpage.

Southwestern has a formal articulation agreement with Oregon State University (OSU) aligning this AS Natural Resources Emphasis degree with OSU's Natural Resources Bachelor of Science degree, Watershed Management option. Students that complete the AS degree with Natural Resources emphasis at Southwestern will satisfy most lower division courses required for the bachelor's in Natural Resources, Watershed Management option.

Following completion of the AS Natural Resources Emphasis degree, students may transfer to OSU with 90 or more credit hours (up to 124 can be transferred). Southwestern courses in the AS Natural Resources emphasis are listed in the articulation agreement. AS Natural Resources graduates transferring to OSU have junior standing with only (a) upper division Synthesis and WIC requirements of the Baccalaureate Core to be completed, and (b) upper division courses associated with the Natural Resources degree program. For specific details on the articulation of these degrees see the University Center (<https://www.socc.edu/uc>) staff.

Graduation Requirements

Students must complete a minimum of 103 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AS degree is awarded.

Courses that are developmental in nature, designed to prepare students for college transfer courses, are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS120	Concepts of Computing	4
MTH111	College Algebra	4
or MTH111H	College Algebra w/Honors	
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
BI101	General Biology	4
CHEM221	General Chemistry I	5
MTH112	Trigonometry	4
or MTH112H	or Trigonometry w/Honors	
NR201	Managing Natural Res for the Future	3
WR121	English Composition	3
or WR121H	or English Composition w/Honors	
Credits		19
Winter		
BI102	General Biology	4
G202	Physical Geology II ¹	4
PHL102	Ethics	3
WR227	Report Writing	3
English Literature Course ²		3
Credits		17
Spring		
BI103	General Biology	4
MTH243	Intro to Probability and Statistics	4
NR180	Internship: Natural Resources	1-3
NR260	Watershed Processes	4
PE231	Wellness for Life	3
Credits		16-18
Second Year		
Fall		
ENV235	Introduction to Soil Science	4
G201	Physical Geology I ¹	4
GEOG265	Intro to Geographical Info Systems	3
PH211	Gen Physics w/Calculus I	5
MTH251	Calculus I Differential Calculus	4
or MTH251H	or Calculus I w/Honors	
Credits		20
Winter		
ECON201	Microeconomics	4
F222A	Elementary Forest Surveying	4
F250	Forest Biology	4
MTH252	Calculus II Integral Calculus	4
or MTH252H	or Calculus II w/Honors	
Credits		16
Spring		
F241	Dendrology	5
GEOG209	Physical Geography Weather/Climate	4
HST203	History of the United States	3
SP111	Fundamentals of Public Speaking	3
Credits		15
Total Credits		103-105

¹ Requires concurrent course of G145 Regional Field Geology or G0250 Field Geo:

² Choose from: ENG104 Introduction to Literature Fiction, ENG105 Introduction to Literature Drama, or ENG106 Introduction to Literature Poetry.

The following courses are recommended, but are not part of the degree:

ANTH230	Native North Americans: Oregon	3
ANTH231	Native North Americans: PNW	3
ANTH232	Native North Americans	3

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Integrate technical “field” skills with analytical skills to identify important natural resources problems and begin to identify effective solutions for these problems.
- Acquire knowledge regarding a range of natural resources current issues, social and political components of resource management.
- Work with experts in a variety of natural resource fields.
- Apply watershed management principles and practices to actual natural resources issues and problems to develop plans and solutions.

Nursing Assistant, Advanced, Career Pathway Certificate of Completion

This Career Pathway Certificate of Completion: Advanced Nursing Assistant is designed to prepare students for the Nursing Assistant Level One and Level Two certifications and for successful employment as a CNA2. The Program combines classroom, skills lab instruction, and hands-on clinical experience, designed to prepare students for the nursing assistant role in health care agencies. The program includes instruction in basic bedside nursing skills, basic restorative skills, personal care skills, knowledge of clients' rights, concepts of safety and preventing complications, communicating patient responses to the nurse, and documenting/recording outcomes of patient care, and the use of contemporary medical records systems.

The NUR120 Nursing Assistant Level 1 and NUR220 Certified Nursing Assistant Level 2 courses are Oregon State Board of Nursing (OSBN) approved courses. Upon successful completion of NUR120, students are eligible to sit for the Oregon State Board of Nursing-sanctioned CNA Level 1 examination. Students must have an active, unencumbered Oregon CNA Level 1 license before they can register for the Level 2 NUR220 course.

Alternately, students can earn an industry Certificate of Completion in Personal Care issued by Acquire, Inc. (<https://www.acquiretraining.com/caregiver-certifications.html>) in addition to the Southwestern Career Pathway Certificate.

Click here (<https://www.socc.edu/pathways/roadmapsaz/156-healthcare-career-core-roadmap>) to learn how this Career Pathway Certificate can lead to an AAS Nursing degree.

Graduation Requirements

Students must complete a minimum of 19 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in the program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Advanced Nursing Assistant is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
NUR120	Nursing Assistant Level 1 ¹	9
	Credits	9

Winter		
HIM110	Health Information Technology	5
	Credits	5
Spring		
NUR220	Certified Nursing Assistant Level 2	5
	Credits	5
	Total Credits	19

- ¹ This course requires an application to be submitted to document requirements such as immunizations, drug screen, current CPR card, and criminal background check. Also, OSBN requires applicants for nursing assistant certifications to provide fingerprints in order for a national criminal history record check to be conducted by the OSBN.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Be able to demonstrate basic medical records maintenance.
- Follow treatment plans prescribed by nurses, and other health professionals.

Nursing Assistant, Basic, Career Pathway Certificate of Completion

This Career Pathway Certificate of Completion: Basic Nursing Assistant is designed to prepare students for the Nursing Assistant Level One certification and for successful employment as a CNA1. The program combines classroom, skills lab instruction, and hands-on clinical experience, designed to prepare students for the nursing assistant role in health care agencies. The program includes instruction in basic bedside nursing skills, basic restorative skills, mental health and social service skills, personal care skills, knowledge of clients' rights, and medical records systems. Students will gain the knowledge and skills necessary to care for clients in long-term care and acute care facilities that are under direct care of a licensed nurse.

The NUR120 Nursing Assistant Level 1 course is an Oregon State Board of Nursing (<https://www.oregon.gov/OSBN/pages/cnacertification.aspx>) (OSBN) approved course. Upon successful completion of the course, students are eligible to sit for the Oregon State Board of Nursing-sanctioned CNA Level 1 examination.

Alternately, students can earn an industry Certificate of Completion in Personal Care issued by Acquire, Inc. (<https://www.acquiretraining.com/caregiver-certifications.html>) in addition to the Southwestern Career Pathway Certificate.

Click here (<https://www.socc.edu/roadmaps/156-healthcare-career-core-roadmap>) to learn how this Career Pathway can lead to an AAS Nursing degree.

Graduation Requirements

Students must complete a minimum of 17 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in the program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Basic Nursing Assistant is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
NUR120	Nursing Assistant Level 1 ¹	9
	Credits	9
Winter		
HIM110	Health Information Technology	5

HS155 or HS154	Interviewing Theory and Techniques or Community Resources	3-4
	Credits	8-9
Total Credits		17-18

¹ The course requires a course application to be submitted to document requirements such as immunizations, drug screen, current CPR card, and criminal background check. Also, OSBN requires applicants for nursing assistant certifications to provide fingerprints in order for a national criminal history record check to be conducted by the OSBN.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Be eligible to sit for the Oregon State Board of Nursing-sanctioned CNA Level 1 examination and be able to function as a professional in the role of a CNA1.
- Be able to demonstrate basic patient advocacy, health promotion, and basic medical records maintenance.
- Follow treatment plans prescribed by nurses and other health professionals.

Nursing, Associate of Applied Science

The Associate of Applied Science (AAS) Nursing is intended for students seeking a career as a Registered Nurse. The program prepares students to practice professional nursing in a variety of settings. Upon completion of the program, students will be awarded an AAS degree and are eligible to sit for the national licensure examination (NCLEX-RN) leading to a licensure as a Registered Nurse.

Entry Requirements

This is a restricted-entry program. Students are required to submit an application to the College and a separate application to the nursing program. A total of 50 credits of specific prerequisites must be completed. All prerequisites must be completed with a grade of 'C' or better prior to beginning the nursing program. Thirty (30) of the 50 credits must be completed by the end of fall term preceding admission and must include at least one term of Anatomy and Physiology. Selection of applicants is based on a point system described in the application/information packet.

Acceptance to the program allows for co-admission to the Oregon Health & Science University (OHSU) nursing program. Students are eligible to complete a bachelor's degree in nursing from OHSU either full-time in three quarters or part-time.

For more information, contact the program secretary, Sumner Hall, Rm 4 at 541-888-7443. Information about the Nursing program (<https://www.socc.edu/nursing>) may also be obtained online.

Prerequisites

Students must take the following prerequisites:

Thirty (30) credits must be completed by the end of fall term preceding admission and must include one term of Anatomy and Physiology.

Course	Title	Credits
Prerequisites		
Summer		
CHEM110 or CHEM110H	Found of Gen, Organic Biochem ¹ or Fnds of Gen, Org Biochem w/ Honors	4
FN225	Nutrition	4
CIS120	Concepts of Computing (or documented proficiency)	4
Any 200 level Social Science Course		3
Credits		15
Fall		
BI231	Human Anatomy and Physiology I ²	4
BI234	Microbiology	4
MTH95	Intermediate Algebra (or higher)	4
WR121 or WR121H	English Composition or English Composition w/Honors	3
Credits		15
Winter		
BI232	Human Anatomy and Physiology II	4
PHL102	Ethics	3

WR122 or WR122H	English Composition or English Composition w/Honors	3
Credits		10
Spring		
BI233	Human Anatomy and Physiology III	4
PSY237	Life Span Development	3
SP218 or SP219	Interpersonal Communication or Small Group Discussion	3
Credits		10
Total Credits		50

- ¹ Students applying for the nursing program must have completed either a general chemistry sequence or CHEM110 Found of Gen, Organic & Biochem or CHEM110H Fnds of Gen, Org & Biochem w/ Honors *within the last seven years*.
- ² Students must be enrolled in or have completed BI231 Human Anatomy and Physiology I prior to submitting an application.

Graduation Requirements

Students must complete a minimum of 90 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AAS Nursing degree is awarded.

Student must complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Program Guide

Course	Title	Credits
First Year		
Fall		
ANTH221	Intro to Cultural Anthropology ¹	3
BI149	Introduction to Human Genetics	3
NRS110	Foundations of Nursing Health	9
Credits		15
Winter		
NRS111	Found of Nrsg in Chronic Illness I	6
NRS230	Clinical Pharmacology I	3
NRS232	Pathophysiological Processes I	3
WR123 or WR227	English Composition ² or Report Writing	3
Credits		15
Spring		
NRS112	Found of Nrsg in Acute I	6
NRS231	Clinical Pharmacology II	3
NRS233	Pathophysiological Processes II	3
PHL103	Intro to Logic and Critical Thnkg ²	3
Credits		15
Second Year		
Fall		
NRS222	Found of Nrsg in Acute Care II	9
Humanities/Soc. Sciences or Natural Sciences ³		6
Credits		15

Winter

NRS221	Found of Nrsg in Chronic Illness II	9
Humanities/Soc. Sciences or Natural Sciences ³		6
Credits		15

Spring

HE250	Personal Health ⁴	3
NRS224	Scope of Practice/Integrated Pract	9
Elective ⁵		3
Credits		15
Total Credits		90

¹ ANTH222 Intro to Cultural Anthropology or ANTH223 Intro to Cultural Anthropology may be substituted for ANTH221 Intro to Cultural Anthropology.

² WR123 English Composition and PHL103 Intro to Logic and Critical Thinkg may be taken in Winter or Spring term.

³ Humanities/Social or Natural Science courses: A minimum of 11 credits of Humanities/Social Science or Natural Science courses must be selected from outside of the student's area of concentration. College level courses may be selected from the following: ANTH, ART, ASL (200 level), BI, CHEM, CJ100 Intro to Criminal Justice, CJ101 Intro to Criminology, CJ201 Juvenile Justice and Delinquency, CJ220 Introduction to Substantive Law, CJ243 Drugs and Behavior, CS133WS Web Scripting, CS160 Computer Science Orientation, CS161 Introduction to Computer Science I, CS162 Introduction to Computer Science II, CS261 Data Structures, ECON202 Macroeconomics, ED169 Overview of Student Special Needs, ED258 Multicultural Education, ENG, G (200 level), GEOG105 Cultural Geography, GS, HD208 Career/Life Plan, HDFS222 Family Relations, HDFS225 Prenatal Infant and Toddler Dev, HDFS229 Development in Middle Childhood, HDFS247 Preschool Child Development, HST, HUM, J, MUS, MUP105 Jazz Band, PH, PHL, PS (200 level), PSY (200 level), SOC (200 level), SP, SPAN (200 level), WR (200 level), and WS.

⁴ PE231 Wellness for Life or three (3) credits of PE185 sport/activity courses may be substituted for HE250 Personal Health.

⁵ Developmental and remedial courses will not fulfill elective requirement.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Act personally and professionally based on a set of shared core nursing values.
- Develop insight through reflection, self- analysis, and self-care.
- Engage in ongoing intentional learning.
- Demonstrate leadership in nursing and health care.
- Collaborate as part of a health care team.
- Practice within, utilize, and contribute to the broader health care system.
- Practice relationship-centered care.
- Communicate effectively.
- Make sound clinical judgments.
- Locate, evaluate and use the best available evidence in making practice decisions.

Office Specialist, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Office Specialist prepares students for immediate employment as an entry-level professional in a variety of industries, including health care, finance, construction, and technical services. Coursework focuses on skills most requested by employers across the board, including written and oral communication, organization, customer service, and computer proficiency in Microsoft Word and Excel.

Employment in these types of occupations in 2012 was much larger than the statewide average for all occupations. The total number of job openings is projected to be much higher than the statewide average number of job openings for all occupations through 2022.

Credits earned in this program can be applied to the AAS Administrative Office Professional, the Certificate of Completion Clerical, and the Certificate of Completion Bookkeeping Clerical.

Click here (<https://www.socc.edu/pathways/roadmapsaz/152-administrative-office-professional>) to learn how this Career Pathway Certificate can lead to an AAS Administrative Office Professional degree.

Graduation Requirements

Students must complete a minimum of 28 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Office Specialist is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics	2
MTH20	Basic Mathematics	4
OA121	Beginning Keyboarding	3
WR90	Paragraph Fundamentals	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
CIS125W	Word Processing Applications	3
MTH82	Business Mathematics ¹	4
OA124	Keyboard Skill Building	3
OA220	Electronic Calculators	1
WR115	Introduction to Expository Writing	3
or WR121	or English Composition	
Credits		14

Winter

AC2764 or BA212	Small Business Accounting or Principles of Accounting II	4
BA288	Customer Service	3
CIS120	Concepts of Computing	4
OA240	Filing and Records Management	3
Credits		14
Total Credits		28

¹ MTH98 Math Literacy or higher may be substituted for MTH82 Business Mathematics.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Provide customer service according to specific instructions.
- Use computer to organize/complete tasks, communicate effectively, and schedule self or others, according to specific instructions.
- Enter data accurately (requires basic math, keyboarding, and copying skills).
- Accurately produce, edit, and proofread business documents.
- Follow professional business procedures and standards.
- Store, locate, and retrieve information to perform routine duties in a professional environment.

Oregon Transfer Module (OTM)

The Oregon Transfer Module (OTM) is an approved 45 credits of general education courses (foundational skills and introduction to discipline courses) that are common among Oregon's colleges and universities.

Courses are selected from an approved list of 100- and 200-level general education requirements, determined by each Oregon community college, Oregon University institution, or participating Oregon independent college or university. It is designed to improve student access to a college degree by enhancing opportunities for the transfer of credits earned at one community college or Oregon university campus to another public college or university.

The OTM includes coursework chosen from the courses approved for the categories found in the program guide (p. 157) by the institution issuing the credit. In the case of community colleges, these are courses approved for the AA/OT degree; in the case of universities and four-year colleges, they are courses approved for the general education portion of a Bachelor's degree.

Any student completing the requirements for an OTM that conforms to the guidelines below will have met the requirements for the OTM at any Oregon community college or public university. At the time of transfer, the receiving institution may specify additional coursework for a major or degree, any additional institution specific general education requirements not included in the OTM, or to make up the difference between the OTM and the institution's total general education requirements.

Graduation Requirements

Complete a minimum of 45 credit hours and all courses must be passed with a grade of 'C' or better. Students must have a minimum cumulative Grade Point Average (GPA) of 2.0 at the time the OTM is awarded. One course must be completed at Southwestern before the OTM degree is awarded.

Complete elective courses to reach a total of 45 credits. The courses must be numbered 100 or above. Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Foundational Skills Requirements

All courses must be completed with a grade of 'C' or better.

Writing

Two (2) courses from:

WR121	English Composition	3
or WR121H	English Composition w/Honors	
WR122	English Composition	3
or WR122H	English Composition w/Honors	
WR123	English Composition	3
WR227	Report Writing	3

Note: Information Literacy is included through embedding the appropriate content and analytical activity in courses that count toward the writing Foundational Skills Requirement.

Mathematics

One (1) course from:

MTH105	Math in Society (or higher, for which Intermediate Algebra is a prerequisite, excluding MTH211)	4
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Communication

One (1) course from:

SP100	Basic Speech Communications	3
SP111	Fundamentals of Public Speaking	3
SP218	Interpersonal Communication	3
SP219	Small Group Discussion	3

Introduction to Discipline Studies Requirements

All courses must be completed with a grade of 'C' or better.

Arts and Letters

Three (3) courses from:

Note: A second year foreign language may be included, but not first year.

ART115	Basic Design I, Intro to Elements	4
ART116	Basic Design II, Color Theory	4
ART117	Basic Design III, Intro to 3D Desgn	4
ART131	Introduction to Drawing I	3
ART132	Introduction to Drawing II	3
ART133	Introduction to Drawing III	3
ART191	Beginning Sculpture	3
ART192	Beginning Sculpture	3
ART204	History of Western Art:	3
ART205	History of Western Art:	3
ART206	History of Western Art:	3
ART225	Computer Art I	3
ART244	Bronze Casting	3
ART253	Ceramics I	3
ART256	Ceramics II	3
ART281	Painting I Beginning	3
ART282	Painting II Beginning	3
ART283	Painting III Beginning	3
ART284	Painting I Intermediate	3
ART285	Painting II Intermediate	3
ART286	Painting III Intermediate	3
ASL201	2nd Yr American Sign Language I	4
ASL202	2nd Yr American Sign Language II	4
ASL203	2nd Yr American Sign Language III	4
ENG104	Introduction to Literature Fiction	3
ENG105	Introduction to Literature Drama	3
ENG106	Introduction to Literature Poetry	3
ENG107	World Literature	3
or ENG107H	World Literature w/Honors	
ENG108	World Literature	3
ENG109	World Literature	3
ENG201	Shakespeare	3
ENG204	Survey of English Literature	3
or ENG204H	Survey of English Lit w/Honors	
ENG205	Survey of English Literature	3

ENG206	Survey of English Literature	3	HDFS222	Family Relations	3
HUM204	World Mythlgy & Religion	3	HDFS229	Development in Middle Childhood	3
HUM205	World Mythlgy & Religion	3	HDFS247	Preschool Child Development	3
HUM206	World Mythlgy & Religion	3	HST101	History of Western Civilization	3
J203	Writing for Media I	3	HST102	History of Western Civilization	3
J205	Writing for Media II	3	HST103	History of Western Civilization	3
J215	Publishing Lab	3	HST104	History of the Middle East	3
MUS101	Music Fundamentals	3	HST201	History of the United States	3
MUS111	Music Theory I	3	HST202	History of the United States	3
MUS112	Music Theory II	3	HST203	History of the United States	3
MUS113	Music Theory III	3	HST240	Hist of Oregon and the South Coast	3
MUS201	Intro to Music and its Literature	3	PS201	American Government Political	3
MUS202	Intro to Music and its Literature	3	PS202	American Government Policy Issues	3
MUS203	Intro to Music and its Literature	3	PS203	Local Politics and Government	3
MUS205	Intro to Jazz History	3	PSY100	Introduction to Psychology	4
MUS206	Intro to History of Rock and Roll	3	PSY201	General Psychology	3
MUS211	Advanced Music Theory I	3	or PSY201H	General Psychology w/Honors	
MUS212	Advanced Music Theory II	3	PSY202	General Psychology	3
MUS213	Advanced Music Theory III	3	or PSY202H	General Psychology w/Honors	
PHL101	Introduction to Philosophy	3	PSY203	General Psychology	3
PHL102	Ethics	3	or PSY203H	General Psychology w/Honors	
PHL103	Intro to Logic and Critical Thnkg	3	PSY216	Social Psychology	3
SP100	Basic Speech Communications	3	PSY228	Introduction to Social Science	3
SP111	Fundamentals of Public Speaking	3	PSY231	Human Sexuality	3
SP218	Interpersonal Communication	3	PSY237	Life Span Development	3
SP219	Small Group Discussion	3	PSY239	Introduction to Abnormal Psychology	3
SP220	Gender and Communication	3	PSY243	Drugs and Behavior	3
SPAN201	Second Year Spanish	4	SOC105	Introduction to Criminology	4
SPAN202	Second Year Spanish	4	SOC204	Introduction to Sociology	3
SPAN203	Second Year Spanish	4	SOC205	Social Institutions and Change	3
WR241	Imaginative Creative Writing	3	SOC206	Social Problems and Issues	3
WR242	Imaginative Writing Poetry Writing	3	SOC208	Sociology of Sport	3
WR243	Imaginative Writing Explorations	3	SOC210	Marriage and Family	3
			SOC213	Racial and Ethnic Relations	3
			WS101	Introduction to Women's Studies	3

Social Sciences

Three (3) courses from:

ANTH101	Physical Anthropology and Evolution	3
ANTH102	Introduction to Archaeology	3
ANTH221	Intro to Cultural Anthropology	3
ANTH222	Intro to Cultural Anthropology	3
ANTH223	Intro to Cultural Anthropology	3
ANTH224	Intro to Medical Anthropology	3
ANTH230	Native North Americans: Oregon	3
ANTH231	Native North Americans: PNW	3
ANTH232	Native North Americans	3
CJ101	Intro to Criminology	4
ECON201	Microeconomics	4
ECON202	Macroeconomics	4
ED169	Overview of Student Special Needs	3
ED258	Multicultural Education	3
GEOG105	Cultural Geography	3
HDFS140	Contemporary American Families	3

Science/Mathematics/Computer Science

Three (3) courses, including at least one (1) biological or physical science with lab:

Laboratory Courses

BI101	General Biology	4
BI102	General Biology	4
BI103	General Biology	4
BI142	Habitats: Marine Biology	4
BI201	Introductory Biology	4
BI202	Introductory Biology	4
BI203	Introductory Biology	4
BI231	Human Anatomy and Physiology I	4
BI232	Human Anatomy and Physiology II	4
BI233	Human Anatomy and Physiology III	4
BI234	Microbiology	4
CHEM221	General Chemistry I	5

CHEM222	General Chemistry II	5
CHEM223	General Chemistry III	5
ENV235	Introduction to Soil Science	4
G201	Physical Geology I	4
G202	Physical Geology II	4
G203	Historical Geology	4
GS104	Physical Science	4
GS105	Physical Science	4
GS106	Introduction to Earth Science	4
GS107	Astronomy	4
GS108	Oceanography	4
PH201	Gen Physics I: Mechanics	5
PH202	Gen Physics II: Heat, Waves, Rel	5
PH203	Gen Physics III: Elect & Magnetism	5
PH211	Gen Physics w/Calculus I	5
PH212	Gen Physics w/Calculus II	5
PH213	Gen Physics w/Calculus III	5

Other Approved Courses

BI140	Practical Ecology	3
BI149	Introduction to Human Genetics	3
CHEM110	Found of Gen, Organic & Biochem	4
or CHEM110H	Fnds of Gen, Org & Biochem w/Honors	
CS160	Computer Science Orientation	4
CS161	Introduction to Computer Science I	4
CS162	Introduction to Computer Science II	4
CS261	Data Structures	4
ENV110	Introduction Environmental Science	3
G146	Geology of Southwestern Oregon	3
G207	Geology of the Pacific Northwest	3
G221	General Geology	3
G246	Geological Hazards	3
MTH105	Math in Society	4
MTH111	College Algebra	4
or MTH111H	College Algebra w/Honors	
MTH112	Trigonometry	4
or MTH112H	Trigonometry w/Honors	
MTH212	Fundamentals of Elementary	4
MTH213	Fundamentals of Elementary	4
MTH231	Elements of Discrete Mathematics I	4
MTH232	Elements of Discrete Mathematics II	4
MTH241	Calculus for Bus and Soc Science I	4
MTH242	Calculus for Bus and Soc Science II	4
MTH243	Intro to Probability and Statistics	4
MTH251	Calculus I Differential Calculus	4
or MTH251H	Calculus I w/Honors	
MTH252	Calculus II Integral Calculus	4
or MTH252H	Calculus II w/Honors	
MTH253	Calculus III	4
or MTH253H	Calculus III w/Honors	
MTH254	Vector Calculus I	4
MTH255	Vector Calculus II	4
MTH256	Differential Equations	4

MTH260	Matrix Methods and Linear Algebra	4
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Electives

- All courses must be completed with a grade of 'C' or better.
- Students may take any college-level course that would bring total credits to 45. Courses must be from the Introduction to Disciplines area (Arts & Letters, Social Science, or Science/Math/Computer Science).
- A maximum of nine (9) credits of PE185 sport/activity courses may be applied to the OTM.
- Three (3) credit hours of PE185 sport/activity courses may be granted toward the OTM for completion of military basic training. A copy of the military transcript or DD-214 is required.
- Courses numbered 199/299 will qualify as elective credit only.

Supportive Courses

Note: The College has determined that the following supportive courses may be necessary to assist students to successfully complete their program. They will count as electives only.

CIS125W	Word Processing Applications	3
HD100	College Success and Survival	3
HD111	Math Success	2
HD112	Study Skills	3
HD113	Stop Test Anxiety Now	1
HD140	Career/Education Exploration	1
HD147	Decision Making	1
HD152	Stress Management	1
HD154	Self-Esteem	1
HD204	Living Consciously	3
HD215	Transfer Success	1
HD208	Career/Life Plan	3
LIB127	Navigating the 24/7 Library	1
OA121	Beginning Keyboarding	3
RD101	College Reading I	1-3
RD102	College Reading II	1-3
RD103	College Reading III	1-3

A maximum number of 45 credits is allowed for basic, developmental, or supportive courses under federal financial aid guidelines.

Cultural Literacy

Students are encouraged to complete at least one course with the embedded Cultural Literacy component in order to complete OTM requirements.

ANTH221	Intro to Cultural Anthropology	3
ANTH222	Intro to Cultural Anthropology	3
ANTH223	Intro to Cultural Anthropology	3
ANTH224	Intro to Medical Anthropology	3
ANTH230	Native North Americans: Oregon	3
ANTH231	Native North Americans: PNW	3
ANTH232	Native North Americans	3
ED258	Multicultural Education	3
ENG107	World Literature	3
or ENG107H	World Literature w/Honors	

ENG108	World Literature	3
ENG109	World Literature	3
GEOG105	Cultural Geography	3
HDFS140	Contemporary American Families	3
HUM204	World Mythlgy & Religion	3
HUM205	World Mythlgy & Religion	3
HUM206	World Mythlgy & Religion	3
HST104	History of the Middle East	3
MUS205	Intro to Jazz History	3
MUS206	Intro to History of Rock and Roll	3
PSY216	Social Psychology	3
PSY231	Human Sexuality	3
SOC208	Sociology of Sport	3
SOC210	Marriage and Family	3
SOC213	Racial and Ethnic Relations	3
SP220	Gender and Communication	3
WS101	Introduction to Women's Studies	3

Program Notes

1. Courses that are designed to prepare students for college-level work (also called developmental courses) are not applicable to the transfer module.
2. When choosing courses in science and mathematics, students and advisors should check the specific requirements at receiving schools. Courses that include a laboratory component, or that deal with specific subjects, may be required for majors or degrees. ESPS (<https://www.socc.edu/esps>) advisors and the University Center (<https://www.socc.edu/uc>) can assist you in planning for a specific major or degree.
3. Computer science courses used in the Math/Science/Computer Science area must meet Oregon Council of Computer Chairs criteria for a science course.
4. In the Arts and Letters category, the second year of a foreign language may be included, but not the first year. American Sign Language (ASL) is considered a foreign language.
5. All Oregon community colleges and public universities will offer students the opportunity to complete an OTM and the OTM designation will be posted on the transcript by the issuing institution upon request. Regionally accredited private colleges and universities within the State are also welcome to offer and issue transfer modules, which will be accepted at any Oregon public college or university.
6. OTM credits may not match program requirements in the receiving school. The OTM supplements, but does not supplant existing articulation agreements and does not replace effective advising.

Paramedicine, Associate of Applied Science

The Associate of Applied Science (AAS) Paramedicine is designed for individuals interested in providing care to patients in the pre-hospital setting. The purpose of this program is to prepare competent entry-level paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains with or without exit points at the advanced emergency medical technician, emergency medical technician, and/or emergency responder levels.

This program will provide the knowledge, skills and attitudes necessary for an entry-level paramedic and allow eligibility to sit for national and state testing for emergency medical technician and paramedic. The program meets or exceeds the required skills and knowledge as set forth by the National EMS Education Standards and the Oregon Health Authority DHS-EMS division (<https://public.health.oregon.gov/ProviderPartnerResources/EMSTraumaSystems/EMSTrainingCertification/Pages>).

The program is accredited by the Committee on Accreditation of Allied Health Education Programs (CAAHEP (<http://www.caahep.org>)) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP) and the Oregon Health Authority DHS-EMS.

There are three Career Pathway certificates that lead to an AAS Paramedicine. To see how this program links to other programs at Southwestern click here (<https://www.socc.edu/pathways/roadmapsaz/313-emergency-medical-technology-roadmap>).

Entry Requirements

The EMT and paramedic sequence portions of the program are the only restricted-entry components. Students are required to submit an application to the College and a separate application to the EMS program. The application to the EMS program is for the EMT and paramedic licensure courses only. Students must complete all prerequisites listed in the EMT and paramedic application prior to submission of the application.

For more information contact the program director (<https://www.socc.edu/ems>) at 541-888-1554 or 541-888-7432. Due to continually changing laws and regulations, students may be required to add, modify or delete courses and/or hours for the curriculum to meet current standards. See advisor for current requirements.

Graduation Requirements

Students must complete a minimum of 98 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in the program must be completed with a 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AAS Paramedicine degree is awarded. The completion of the following certificates will be required in order to qualify for graduation: ACLS, PHTLS, AMLS, PALS or equivalent. Contact the director (julie.ryan@socc.edu) for more information on these certificates.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH60	Algebra I	4
WR90	Paragraph Fundamentals (or higher writing placement)	3-4
or WR90R	Academic Literacy	
complete one of the prerequisite courses for BI231, Anatomy & Physiology		

Program Guide

Course	Title	Credits
First Year		
Fall		
AH111	Medical Terminology I	3
BI231	Human Anatomy and Physiology I	4
EMT175	Intro Emergency Medical Services	3
PSY201	General Psychology ¹	3
or PSY201H	or General Psychology w/Honors	
WR121	English Composition	3
or WR121H	or English Composition w/Honors	
Credits		16
Winter		
BI232	Human Anatomy and Physiology II	4
EMT151	Emergency Medical Technician Part A	5
EMT170	Emergency Response & Communication	2
EMT171	Emergency Response Transport	2
MTH65	Algebra II ²	4
Credits		17
Spring		
BI233	Human Anatomy and Physiology III	4
CJ203	Crisis Intervention	3
EMT152	Emergency Medical Technician Part B	4
EMT169	Emergency Medical Technology Rescue	3
EMT280	CWE: EMT	1
SP218	Interpersonal Communication ³	3
Credits		18
Second Year		
Fall		
EMT296	EMT Paramedic Part I	12
HE250	Personal Health ⁴	3
or PE231	or Wellness for Life	
Credits		15
Winter		
EMT297	EMT Paramedic Part II	12
Credits		12
Spring		
CIS120	Concepts of Computing	4

EMT298	EMT Paramedic Part III	9
	Credits	13
Summer		
EMT280F	EMT Paramedic Internship	7
	Credits	7
	Total Credits	98

¹ PSY202 General Psychology, PSY202H General Psychology w/ Honors, PSY203 General Psychology, PSY203H General Psychology w/Honors, or PSY237 Life Span Development may be substituted for PSY201 General Psychology.

² MTH95 Intermediate Algebra or higher may be substituted for MTH65 Algebra II.

³ SP111 Fundamentals of Public Speaking or higher may be substituted for SP218 Interpersonal Communication.

⁴ *Three (3) credits of PE 185 sport/activity courses **WILL NOT** meet this requirement.*

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate personal behaviors consistent with professional and employer expectations of an entry-level paramedic.
- Demonstrate technical proficiency in all of the skills necessary to fulfill the role of an entry-level paramedic.
- Comprehend, apply and evaluate information relative to the role of an entry-level paramedic in the cognitive domain.

Parenting Educator & Early Childhood Home Visitor, Career Pathway Certificate of Completion

This program provides students with an understanding of child development, family systems, parent-child relations, and working with diverse populations in an educational setting. The program builds the firm foundational knowledge necessary to be a prepared and effective parenting education facilitator and/or home visitor.

Click here (<https://www.socc.edu/pathways/roadmapsaz/158-childhood-education-family-studies-roadmap>) to learn how this Career Pathway Certificate can lead to an AAS in Childhood Education & Family Studies.

Entry Requirements

Students are required to complete the College's placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin in courses within their skill level as determined by the placement process.

Parenting Educator & Early Childhood Home Visitor students are required to maintain a current background check and complete an approved course in 'Recognizing and Reporting Child Abuse and Neglect.' The requirements will vary per state. Students are encouraged to research the requirements for the state regulating organization regarding what will be required to complete the background check.

In Oregon, students must be listed on the Oregon Central Background Registry (CBR). To begin this process, visit the State of Oregon Early Learning Division (<https://www.oregon.gov/occ/pages>) to be prepared to complete practicum work in a certified early learning center, apply for your background check, and receive additional information regarding how to comply with fingerprinting requirements.

Graduation Requirements

Students must complete a minimum of 23 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern for this certificate to be awarded.

Courses that are developmental in nature, designed to prepare students for college transfer courses, are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Credit for Prior Learning

Credit for prior learning options are available for students with an Infant Toddler Child Development Associate (CDA) credential. These credits include the HDFS225 Prenatal Infant and Toddler Dev that is included in this certificate.

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90 Computer Basics (or demonstrate proficiency) 2

WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
HDFS225	Prenatal Infant and Toddler Dev	3
	Credits	3
Winter		
HDFS140	Contemporary American Families	3
HDFS227	Parents as Partners in Education	3
HDFS247	Preschool Child Development	3
	Credits	9
Spring		
ED258	Multicultural Education	3
HDFS222	Family Relations	3
HDFS229	Development in Middle Childhood	3
HDFS297	Parenting Ed and Early Childhood Hm	2
	Credits	11
	Total Credits	23

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Articulate an understanding of child development, family systems, parent-child relations, and working with diverse populations in an educational setting as the firm foundational knowledge necessary to be a prepared and effective parenting education facilitator or home visitor.
- Articulate how curriculum for parenting education is developed and facilitated based on child development, family systems, parent-child relations and working with diverse populations.
- Articulate how home visitors in early childhood and family programs base their work on child development, family systems, parent-child relations and working with diverse populations.
- Develop a personal professional development plan related to career development as a parent facilitator and/or home visitor.

Personal Trainer/Aging Adult Specialty, Less Than One Year Certificate of Completion

The Less Than One Year Certificate of Completion Personal Trainer/Aging Adult Specialty prepares the student to become a personal trainer with an emphasis in working with the older adult.

Graduation Requirements

Students must complete a minimum of 18 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Less Than One Year Certificate of Completion Personal Trainer/Aging Adult is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Program Guide

HE252	First Aid & CPR Professional Rescue	3
PE131	Intro to Health and Physical Ed	3
PE262	Dev Adult Fitness	3
PE280	CWE: Physical Education	3
PET264	Concpts Indiv Fitness Program	3
SOC230	Gerontology	3
Total Credits		18

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Provide a physical fitness plan for older adults, as well as younger clients.
- Develop skills in assessing the fitness level of their clients and provide them with sound activities to enhance their physical, social, environmental, emotional, and overall health.

Personal Trainer/Group Exercise Leader, Less Than One Year Certificate of Completion

The Less Than One Year Certificate of Completion Personal Trainer/Group Exercise Leader prepares the student to become a personal trainer, aerobics instructor and group exercise specialist.

Graduation Requirements

Students must complete a minimum of 17 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Less Than One Year Certificate of Completion Personal Trainer/Group Exercise Leader is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Program Guide

HE252	First Aid & CPR Professional Rescue	3
PE131	Intro to Health and Physical Ed	3
PE262	Dev Adult Fitness	3
PE280	CWE: Physical Education	3
PET264	Concepts Indiv Fitness Program	3
PET267	Group Fitness Concepts	2
Total Credits		17

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Provide a physical fitness plan for older adults as well as younger clients.
- Develop skills in assessing the fitness level of their clients and provide them with sound activities to enhance their physical, social, environmental, emotional, and overall health.

Pharmacy Technician, Certificate of Completion

The Certificate of Completion Pharmacy Technician program prepares individuals for employment in hospital and retail pharmacies. Pharmacy Technician is a category of support personnel and denotes a skilled worker who has been trained to assist the pharmacist in preparing and dispensing medications. This category of support personnel is spelled out in Oregon Administrative Rules 855-41-205 under the auspices of the Oregon State Board of Pharmacy (<https://www.oregon.gov/pharmacy/Pages/Licensing.aspx>).

Entry Requirements

Students are required to complete the College's placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the placement process.

Due to the nature of this curriculum and the access to drugs, all students will have to declare themselves "drug free" and be subject to a criminal background check. Any student who is unable, for any reason, to complete the practicum parts of this curriculum will not be able to continue in the program. Drug testing will be done prior to clinical practicum. Graduates may choose to take a national certification examination at the successful conclusion of the program.

This program is currently offered entirely through distance education. All PHAR classes are offered only online. Other courses in the program are offered in the traditional classroom setting as well.

Gainful Employment Disclosure

Southwestern is required by federal regulations to disclose information related to the College's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with certificate programs.

Gainful employment information for the Certificate of Completion Pharmacy Technician (<https://www.socc.edu/images/ge/pharmacy.html>) can be found online.

Graduation Requirements

Students must complete a minimum of 51 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Certificate of Completion Pharmacy Technician is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH20	Basic Mathematics	4

WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
Fall		
AH111	Medical Terminology I	3
AH121	Body Structures and Functions I	3
MTH60	Algebra I ¹	4
PHAR5470	Introduction to Pharmacy Law	4
WR121 or WR121H	English Composition or English Composition w/Honors	3
Credits		17
Winter		
AH112	Medical Terminology II	3
AH122	Body Structures and Functions II	3
BA285	Human Relations in Organizations	3
PHAR5472	Pharmacology I	3
PHAR5474	Pharmacy Calculations	2
PHAR5475	Pharmacy Technician Procedures I	4
Credits		18
Spring		
PHAR280	CWE: Pharmacy	3
PHAR5473	Pharmacology II	3
PHAR5476	Pharmacy Technician Procedures II	4
PHAR5477	Pharmacy Records Management	3
SP100	Basic Speech Communications ²	3
Credits		16
Total Credits		51

¹ MTH65 Algebra II, MTH82 Business Mathematics, MTH95 Intermediate Algebra or higher may be substituted for MTH60 Algebra I.

² SP100 Basic Speech Communications or higher.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Function as a professional in a pharmacy environment either in a hospital or retail setting.
- Assist the pharmacist in the preparation and dispensing of medications.
- Be aware of the duties and limitations of a pharmacy technician as per Oregon Administrative Rules 855-41-205.

Program Notes

All students in this program are advised to check individual course descriptions for prerequisites.

Pipe Fitting, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Pipe Fitting prepares students for entry-level careers in pipe fitting, welding and fabrication. The program also introduces advanced techniques aligned with industry API and AWS standards.

Click here (<https://www.socc.edu/pathways/roadmapsaz/148-welding-and-fabrication-roadmap>) to learn how this Career Pathway certificate can lead to an Associate of Applied Science Welding and Fabrication.

Entry Requirements

Students are required to complete the College's placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the placement process.

Because a variety of working conditions exist in the welding field, a person generally should be in good physical condition and able to stand, stoop, kneel and bend without difficulty and be able to lift and carry at least 50 pounds. Good eyesight, especially depth perception, is necessary for a welder.

By the second week of the term, students will need to purchase the proper PPE (personal protective equipment) required for the term. Required PPE includes: Welding hood, leathers or welding jacket, gauntlet gloves, safety glasses (clear and shade 5), and leather boots (steel toe is preferred).

Graduation Requirements

Students must complete a minimum of 12 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Pipe Fitting is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

WLD100	Welding Process I	3
WLD101	Shielded Metal Arc Welding	6
WLD105	Pipe Fitting and Welding I	3

Program Guide

Course	Title	Credits
First Year		
Fall		
WLD201	Pipe Fitting and Welding II	3
	Credits	3

Winter		
WLD4152	Advanced Pipe Fitting and Fab	3
	Credits	3
Spring		
WLD4050	Welding and Joining Processes	3
WLD4153	Pipe Fitting Workshop:	3
	Credits	6
	Total Credits	12

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate ability to fit, layout, and weld pipe in accordance to industry AWS and API standards.

Programming Basics, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Programming Basics offers the fundamental core courses in Computer Science. The core courses give the student a well-rounded basic understanding of computer application development. Students completing this certification will be prepared to seek entry-level employment in occupations such as network administration support, entry software developer, and software testing.

Click here (<https://www.socc.edu/pathways/roadmapsaz/312-cis-software-development-roadmap>) to learn how this Career Pathway Certificate can lead to an AAS in CIS Software Development.

Graduation Requirements

Students must complete a minimum of 16 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Programming Basics is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH60	Algebra I	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
CS160	Computer Science Orientation	4
MTH86	Computer Technology Mathematics	4
	Credits	8
Winter		
CS161	Introduction to Computer Science I	4
	Credits	4
Spring		
CS162	Introduction to Computer Science II	4
	Credits	4
	Total Credits	16

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Apply project life cycle concepts to assist in finding solutions to business needs.
- Research, interpret, and communicate technical information in written, graphic, diagrammatic, electronic and oral forms.
- Demonstrate the ability to work independently or in a group environment with sensitivity to needs of customers and coworkers.

Programming Technician, Certificate of Completion

The Certificate of Completion Programming Technician is a one-year certificate that includes the first year of the Computer Science and supporting Computer Information Technologies. This certificate is intended for students focused on becoming career-ready in one year. Students completing this certification will be prepared to seek entry-level employment in occupations such as a software testing specialist, junior developer, mobile application developer, or web developer.

Click here (<https://www.socc.edu/pathways/roadmapsaz/312-cis-software-development-roadmap>) to learn how this certificate can lead to an Associate of Applied Science in Software Development.

Gainful Employment Disclosure

Southwestern is required by federal regulations to disclose information related to the College's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with certificate programs.

Gainful employment information for the Certificate of Completion Programming Technician (<https://www.socc.edu/images/ge/programming.html>) can be found online.

Graduation Requirements

Students must complete a minimum of 45 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. One course must be completed at Southwestern before the Certificate of Completion Programming Technician is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH60	Algebra I	4
WR90	Paragraph Fundamentals (or placement in higher level course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
CIS151	Network Essentials	4
CS160	Computer Science Orientation	4
MTH86	Computer Technology Mathematics ¹	4
WR115	Introduction to Expository Writing (or higher)	3
Credits		15

Winter

CIS140U	Intro to Operating Systems: Unix	4
CIS145	Hardware Installation Support	4
CS161	Introduction to Computer Science I	4
CS195	Web Development I	3
Credits		15

Spring

BA110	Group Dynamics for Teams ²	3
CS133WS	Web Scripting	4
CS162	Introduction to Computer Science II	4
Specific Elective ³		4
Credits		15
Total Credits		45

¹ MTH105 Math in Society or higher may be substituted for MTH86 Computer Technology Mathematics.

² BA120 Leadership Development, BA285 Human Relations in Organizations; PSY100 Introduction to Psychology, PSY201 General Psychology, PSY201H General Psychology w/Honors, PSY203 General Psychology, or PSY203H General Psychology w/Honors may be substituted for BA110 Group Dynamics for Teams.

³ Specific Electives: Any CS/CIS, BA, AC course not required for the degree; WR227 Report Writing, MTH65 Algebra II, MTH95 Intermediate Algebra, or higher; ART115 Basic Design I, Intro to Elements, ART116 Basic Design II, Color Theory, ART117 Basic Design III, Intro to 3D Design, ART225 Computer Art I, or MFG4101 Electrical Systems Troubleshooting.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Plan, write and debug software applications within multiple programming environments.
- Design, administer, and maintain a database.
- Plan and design integrate technology systems ranging from servers to user interfaces.
- Apply project life cycle concepts to assist in finding solutions to business needs.
- Research, interpret, and communicate technical information in written, graphic, diagrammatic, electronic and oral forms.
- Demonstrate the ability to work independently or in a group environment with sensitivity to needs of customers and coworkers.

Retail Management, Less Than One Year Certificate of Completion

The Less Than One Year Certificate of Completion Retail Management is recommended for students who would like to work in retail sales or students who are currently working in retail sales and are interested in advancing in their careers. Upon completion of this certificate, students will demonstrate skills necessary to successfully work in the field of retail sales and be in a position to advance to higher levels of responsibility including supervisory management. Career opportunities include retail clerks, management trainees, sales associates and other similar retail positions.

Graduation Requirements

Students must complete a minimum of 26 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Certificate of Completion Retail Management is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
MTH20	Basic Mathematics	4
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
Fall		
BA249	Retailing	3
CIS120	Concepts of Computing	4
WR115	Introduction to Expository Writing (or higher)	3
Credits		10
Winter		
BA120	Leadership Development ¹	3
BA223	Principles of Marketing	3
MTH82	Business Mathematics ²	4
Credits		10
Spring		
BA206	Management Fundamentals	3
BA224	Human Resource Management	3
Credits		6
Total Credits		26

¹ MTH60 Algebra I, MTH65 Algebra II, MTH95 Intermediate Algebra or higher may be substituted for MTH82 Business Mathematics.

² BA110 Group Dynamics for Teams, BA285 Human Relations in Organizations; PSY100 Introduction to Psychology, PSY201 General Psychology, PSY201H General Psychology w/Honors, PSY203 General Psychology, or PSY203H General Psychology w/Honors may be substituted for BA120 Leadership Development.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate effective communication skills including both verbal and written.
- Operate as a team member and/or leader using effective communication strategies.
- Demonstrate computer skills: Word processing, electronic spreadsheet, database management, general accounting applications, presentation software and Internet research techniques.
- Describe the marketing methods including the analysis and inter-relationship of the marketing mix: Product, price, place and promotion.

Software Support, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Software Support is intended to prepare the student for the industry examination in software applications. This 16-credit certification is an intensive program emphasizing the hands-on use of common business applications. Students completing this certificate will have gained the knowledge and ability to successfully pass industry standard certification examinations. As a stand-alone certificate, this can be used for professional development toward job advancement. This certificate enhances the ability of the student to work efficiently in an office environment and provide support for colleagues. Students completing this certification will be prepared to seek entry-level employment in occupations such as software applications specialist and software training and support specialist.

Click here (<https://www.socc.edu/pathways/roadmapsaz/152-administrative-office-professional>) to learn how this Career Pathway Certificate leads to an AAS Administrative Office Professional (AOP).

Graduation Requirements

Students must complete a minimum of 16 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be passed with a grade of 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Software Support is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS120	Concepts of Computing	4
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Program Guide

Course	Title	Credits
First Year		
Fall		
CIS125W	Word Processing Applications	3
	Credits	3
Winter		
CIS125DB	Database Applications	3
CIS125S	Spreadsheet Applications	3
	Credits	6
Spring		
CIS135W	Advanced Word Processing	3
CIS235	Integrated Computer Projects	4
	Credits	7
	Total Credits	16

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate skills in the use of common business application software.

Program Notes

Some CS/CIS courses may be offered only online.

Students who want to complete this certificate in addition to the AAS AOP will need to complete CIS125DB Database Applications as a specific elective as it is not a degree requirement in the AAS AOP.

Supervision, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Supervision prepares the individual for careers in supervision and management. Its objective is to assist students in learning the newest supervisory and management skills and to help businesses save money on training costs.

Click here (<https://www.socc.edu/pathways/roadmapsaz/317-business-management-entrepreneurship-roadmap>) to learn how this Career Pathway Certificate leads to an AAS Business Management/Entrepreneurship.

Graduation Requirements

Students must complete a minimum of 19 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Supervision is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

WR90	Paragraph Fundamentals	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
BA101	Introduction to Business	4
WR115	Introduction to Expository Writing (or higher)	3
Credits		7
Winter		
BA120	Leadership Development ¹	3
SP218	Interpersonal Communication ²	3
Credits		6
Spring		
BA206	Management Fundamentals	3
BA224	Human Resource Management	3
Credits		6
Total Credits		19

¹ BA110 Group Dynamics for Teams, BA285 Human Relations in Organizations; PSY100 Introduction to Psychology, PSY201 General Psychology, PSY201H General Psychology w/Honors, PSY203 General Psychology, or PSY203H General Psychology w/Honors may be substituted for BA120 Leadership Development.

² SP100 Basic Speech Communications, SP111 Fundamentals of Public Speaking, SP219 Small Group Discussion, or SP220 Gender and Communication may be substituted for SP218 Interpersonal Communication.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate effective communication skills including both verbal and written.
- Understand the role of a leader.
- Identify and implement strategies for managing employee relations.

Support Technician, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Support Technician is a student-designed one-year certificate that includes the first year of the Computer Information Systems and Information Technology core courses. This certificate is intended for students focused on becoming career-ready in one year. The core courses give the student a well-rounded basic understanding of technical support of computer information systems in a networked environment. Students completing this certification will be prepared to seek entry-level employment in occupations such as network support specialist or technical support specialist.

Click here (<https://www.socc.edu/pathways/roadmapsaz/150-software-support-roadmap>) to learn how this Career Pathway Certificate leads to an Associate of Applied Science in Computer Information Systems.

Graduation Requirements

Students must complete a minimum of 27 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses must be passed with a grade of 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Support Technician is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	

Program Guide

Course	Title	Credits
First Year		
Fall		
CIS120X or CS160	Problem Solving for CIS Majors or Computer Science Orientation	4
CIS140M	Intro to Oper System: Microsoft	4
CIS151	Network Essentials	4
	Credits	12
Winter		
CIS145	Hardware Installation Support	4
CIS152	Network Router Configuration	4
	Credits	8
Spring		
CIS188	Wireless Networking	3

CIS225	End User Support	4
	Credits	7
	Total Credits	27

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Demonstrate a basic knowledge of computer information systems.
- Apply technical skills to implement and maintain computer and network systems solutions and troubleshoot computer and network problems on an entry-level.

Welding Assistant, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Welding Assistant prepares students for entry-level jobs in a welding operation as a welder's assistant. Required courses are applicable toward the Associate of Applied Science (AAS) Welding degree.

Click here (<https://www.socc.edu/pathways/roadmapsaz/148-welding-and-fabrication-roadmap>) to learn how this Career Pathway Certificate of Completion can lead to an AAS Welding and Fabrication.

Entry Requirements

Students are required to complete the College's placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the placement process.

Because a variety of working conditions exist in the welding field, a person generally should be in good physical condition and able to stand, stoop, kneel and bend without difficulty and be able to lift and carry at least 50 pounds. Good eyesight, especially depth perception, is necessary for a welder.

By the second week of the term, students will need to purchase the proper PPE (personal protective equipment) required for the term. Required PPE includes: Welding hood, leathers or welding jacket, gauntlet gloves, safety glasses (clear and shade 5), and leather boots (steel toe is preferred).

Graduation Requirements

Students must complete a minimum of 18 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Welding Assistant is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Program Guide

Course	Title	Credits
Fall		
WLD100	Welding Process I	3
WLD101	Shielded Metal Arc Welding	6
	Credits	9
Winter		
WLD102	Welding Lab A	3
WLD103	Gas Metal Arc Welding	3
WLD104	Flux Forded Arc Welding	3
	Credits	9
	Total Credits	18

- Assist with set-up and operation of manual and semi-automatic welding and cutting equipment used in the metal fabrication industry.
- Perform rudimentary layout and fabrication skills to help produce welded metal parts.
- Read and interpret simple blueprints and some American Welding Society standard welding symbols.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

Welding Technician, Career Pathway Certificate of Completion

The Career Pathway Certificate of Completion: Welding Technician prepares students for entry-level jobs in welding fields employing shielded metal, fluxed core, and gas metal arc welding techniques. Required courses are applicable toward the Associate of Applied Science (AAS) Welding degree.

Click here (<https://www.socc.edu/pathways/roadmapsaz/148-welding-and-fabrication-roadmap>) to learn how this Career Pathway Certificate of Completion can lead to an AAS Welding and Fabrication.

Entry Requirements

Students are required to complete the College's placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the placement process.

Because a variety of working conditions exist in the welding field, a person generally should be in good physical condition and able to stand, stoop, kneel and bend without difficulty and be able to lift and carry at least 50 pounds. Good eyesight, especially depth perception, is necessary for a welder.

By the second week of the term, students will need to purchase the proper PPE (personal protective equipment) required for the term. Required PPE includes: Welding hood, leathers or welding jacket, gauntlet gloves, safety glasses (clear and shade 5), and leather boots (steel toe is preferred).

Graduation Requirements

Students must complete a minimum of 24 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Career Pathway Certificate of Completion: Welding Technician is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

WR90 Paragraph Fundamentals (or placement in a higher 3-4 writing course)
or WR90R Academic Literacy

Program Guide

Course	Title	Credits
First Year		
Fall		
DRFT105	Blueprint Reading	3
WLD100	Welding Process I	3
WLD101	Shielded Metal Arc Welding	6
Credits		12

Winter		
WLD102	Welding Lab A	3
WLD103	Gas Metal Arc Welding	3
WLD104	Flux Forded Arc Welding	3
WLD110	Welding Cert for 1st Year	3
Credits		12
Total Credits		24

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Set-up and operate of manual and semi-automatic welding and cutting equipment used in the welding industry.
- Perform rudimentary layout and fabrication skills to help produce welded metal parts.
- Read and interpret simple blueprints and some American Welding Society standard welding symbols.
- Perform as a team member and practice skills that reflect professional and ethical behavior in the workplace.

Welding, Associate of Applied Science

The Associate of Applied Science (AAS) Welding provides the training for entry-level employment and offers the technical knowledge necessary for career advancement. Coupled with experience, the program prepares students for manufacturing employment opportunities in industry, private enterprise, supervision, and/or advanced welding technologies. The program will guide the students in developing basic pipe welding and fitting skills and introduces advanced techniques aligned with industry standards. These opportunities include welding, fabrication, inspection, estimating, and technical sales.

Several Career Pathway Certificates can lead to this degree, click here (<https://www.socc.edu/pathways/roadmapsaz/148-welding-and-fabrication-roadmap>) to view the roadmap.

According to the American Welding Society, by the year 2020 there will be a skills shortage of 291,000 jobs in the welding and fabrication and related fields.

Entry Requirements

Students are required to complete the College's placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the placement process.

Because a variety of working conditions exist in the welding field, a person generally should be in good physical condition and able to stand, stoop, kneel and bend without difficulty and be able to lift and carry at least 50 pounds. Good eyesight, especially depth perception, is necessary for a welder.

By the second week of the term, students will need to purchase the proper PPE (personal protective equipment) required for the term. Required PPE includes: Welding hood, leathers or welding jacket, gauntlet gloves, safety glasses (clear and shade 5), and leather boots (steel toe is preferred).

The AAS Welding is an American Welding Society (<https://www.aws.org>) (AWS) entry-level welding certified program. Successfully completing the AWS portion of each welding course also qualifies the student for a Certificate of Completion from the AWS as an entry-level welder – a nationally recognized certificate.

Graduation Requirements

Students must complete a minimum of 90 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AAS Welding degree is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

CIS90 Computer Basics (or demonstrate proficiency) 2

WR90	Paragraph Fundamentals (or placement in higher writing course)	3-4
or WR90R	Academic Literacy	
MTH55	Introductory Technical Mathematics	4

Program Guide

Course	Title	Credits
First Year		
Fall		
DRFT105	Blueprint Reading	3
WLD100	Welding Process I	3
WLD101	Shielded Metal Arc Welding	6
WR115	Introduction to Expository Writing ¹	3
Credits		15
Winter		
MTH80	Technical Mathematics I	4
WLD102	Welding Lab A	3
WLD103	Gas Metal Arc Welding	3
WLD104	Flux Forded Arc Welding	3
WLD110	Welding Cert for 1st Year	3
Credits		16
Spring		
BA110	Group Dynamics for Teams ²	3
WLD105	Pipe Fitting and Welding I	3
WLD106	Welding Lab B	3
WLD107	Gas Tungsten Arc Welding	3
WLD150	Welding & Joining Processes	3
WLD202	Forklift Operator Training and Cert	1
Credits		16
Second Year		
Fall		
CIS120	Concepts of Computing	4
MT101	Machine Tool Processes I	3
WLD201	Pipe Fitting and Welding II	3
WLD4155	Fitting & Fabrication	3
Credits		13
Winter		
MFG4102	Mechanical Systems	3
MT102	Machine Tool Processes II	3
PE231	Wellness for Life ³	3
WLD203	Advanced Individual Welding	3
WLD4152	Advanced Pipe Fitting and Fab	3
Credits		15
Spring		
WLD205	The Welding Business	3
WLD210	Welding Cert for 2nd Year	3
WLD4153	Pipe Fitting Workshop:	3
Specific Elective ⁴		3
Speech Course ⁵		3
Credits		15
Total Credits		90

- ¹ WR121 English Composition or WR121H English Composition w/ Honors may be substituted for WR115 Introduction to Expository Writing.
- ² BA120 Leadership Development, BA285 Human Relations in Organizations; PSY100 Introduction to Psychology, PSY201 General Psychology, PSY201H General Psychology w/Honors, PSY203 General Psychology, or PSY203H General Psychology w/Honors may be substituted for BA110 Group Dynamics for Teams.
- ³ HE250 Personal Health or three (3) credits of PE185 sport/activity courses may be substituted for PE231 Wellness for Life.
- ⁴ Any MFG, MT, WLD, or DRFT course not otherwise included in the degree to meet the requirement.
- ⁵ Choose a course from SP100 Basic Speech Communications, SP111 Fundamentals of Public Speaking, SP218 Interpersonal Communication, or SP219 Small Group Discussion.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Set up and operate manual and semi-automatic welding and cutting equipment used in the metal fabrication industry.
- Perform basic layout and fabrication skills to produce welded metal parts and projects.
- Read and interpret blueprints and American Welding Society standard welding symbols.
- Perform as a team member and practice skills that reflect professional and ethical behavior in the workplace.
- Demonstrate ability to fit, layout, and weld pipe in accordance to industry AWS and API standards.

Welding, Certificate of Completion

The Certificate of Completion Welding prepares students for entry-level jobs in metal working fields. Required courses are applicable toward the AAS Welding degree. Click here (<https://www.socc.edu/pathways/roadmapsaz/148-welding-and-fabrication-roadmap>) to learn how this Career Pathway Certificate of Completion can lead to an AAS Welding and Fabrication.

Entry Requirements

Students are required to complete the College's placement process to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the placement process.

Because a variety of working conditions exist in the welding field, a person generally should be in good physical condition and able to stand, stoop, kneel and bend without difficulty and be able to lift and carry at least 50 pounds. Good eyesight, especially depth perception, is necessary for a welder.

The Certificate of Completion Welding is an American Welding Society (<https://www.aws.org>) (AWS) entry-level welding certified program. Successfully completing the AWS portion of each welding course also qualifies the student for a Certificate of Completion from the AWS as an entry-level welder – a nationally recognized certificate.

By the second week of the term, students will need to purchase the proper PPE (personal protective equipment) required for the term. Required PPE includes: Welding hood, leathers or welding jacket, gauntlet gloves, safety glasses (clear and shade 5), and leather boots (steel toe is preferred).

Gainful Employment Disclosure

Southwestern is required by federal regulations to disclose information related to the College's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with certificate programs.

Gainful employment information for the Certificate of Completion Welding (<https://www.socc.edu/images/ge/welding.html>) can be found online.

Graduation Requirements

Students must complete a minimum of 47 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Certificate of Completion Welding is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

Pre-Program Courses

Students are required to take the following courses *prior to* the program courses, depending on students' college placement information. See advisor for details:

CIS90	Computer Basics (or demonstrate proficiency)	2
WR90	Paragraph Fundamentals (or placement in higher level writing course)	3-4

or WR90R Academic Literacy

Program Guide

Course	Title	Credits
First Year		
Fall		
DRFT105	Blueprint Reading	3
WLD100	Welding Process I	3
WLD101	Shielded Metal Arc Welding	6
WR115	Introduction to Expository Writing ¹	3
Credits		15
Winter		
MTH20	Basic Mathematics (or higher)	4
WLD102	Welding Lab A	3
WLD103	Gas Metal Arc Welding	3
WLD104	Flux Forded Arc Welding	3
WLD110	Welding Cert for 1st Year	3
Credits		16
Spring		
BA110	Group Dynamics for Teams ²	3
WLD105	Pipe Fitting and Welding I	3
WLD106	Welding Lab B	3
WLD107	Gas Tungsten Arc Welding	3
WLD202	Forklift Operator Training and Cert	1
WLD4050	Welding and Joining Processes	3
Credits		16
Total Credits		47

¹ WR121 English Composition or WR121H English Composition w/ Honors may be substituted for WR115 Introduction to Expository Writing.

² BA120 Leadership Development, BA285 Human Relations in Organizations; PSY100 Introduction to Psychology, PSY201 General Psychology, PSY201H General Psychology w/Honors, PSY203 General Psychology, or PSY203H General Psychology w/ Honors course may be substituted for BA110 Group Dynamics for Teams.

Program Student Learning Outcomes

Upon successful completion of this program the student will be able to:

- Set-up and operate manual and semi-automatic welding and cutting equipment used in the metal fabrication industry.
- Perform basic layout and fabrication skills to produce welded metal parts and projects.
- Read and interpret blueprints and American Welding Society standard welding symbols.
- Perform as a team member and practice skills that reflect professional and ethical behavior in the workplace.

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Course/Credit Types

Lower Division Collegiate Transfer (LDC) courses are those that will transfer to four-year schools in Oregon, four-year public institutions, and apply towards a bachelor's degree. Generally, transfer courses will have a departmental prefix and a three-digit number 100 through 299.

Developmental Education (DEV) courses are designed to help a student gain skill and knowledge before taking college-level courses. These courses will generally have a departmental prefix and a two- or four-digit number.

Career Technical Education (CTE) courses will vary, but will have a departmental prefix and a two-, three-, or four-digit number. Because course numbers vary, students planning to transfer to four-year

institutions should follow the course selections shown under the Associate of Arts Oregon Transfer (AA/OT) requirements, as well as consult with their advisor. Career Technical Education courses may have limitations in degrees.

Non-credit courses are generally offered for community interest, personal enrichment, and professional development. The content is generally not applicable toward a certificate, diploma, or degree, and courses are not always transcribed.

Continuing Education Units (CEU) are a nationally recognized unit granted for educational experiences to upgrade a person's skills in a particular profession or occupation. Courses developed to meet these needs are often approved through a professional licensing agency or a state or regional board. The units are not convertible to college credit.

Professional Development Units (PDU) activities may include a program, course, workshop, seminar, or other pre-approved learning experience. For a course to be eligible for PDU credit and for the activity to be transcribed by the College, it must meet specific criteria.

Foreign Language Requirement effective for everyone graduating from high school in 1997 (and thereafter). All Oregon four-year public institutions require two years of high school second language for admission. This admission requirement can also be satisfied by two quarters (or semesters) of a college-level second language or demonstrated proficiency in a second language. For additional information, contact an advisor.

Code	Description
ABE	Academic Skills
AC	Accounting/Bookkeeping
AH	Allied Health
ANTH	Anthropology
ART	Art
ASL	American Sign Language
BA	Business Administration
BI	Biology
CHEM	Chemistry
CIS	Computer Information Systems
CJ	Criminal Justice
CLA	Clinical Laboratory Assistant
CRT	Culinary Arts
CS	Computer Science
DEN	Dental
DRFT	Drafting
ECE	Early Childhood Education
ECON	Economics
ED	Education
EMT	Emergency Medical Technician
ENG	English/Literature
ENGR	Engineering
ENV	Environmental Technology
ESL	English as a Second Language
F	Forestry
FE	Forest Engineering
FN	Nutrition
FS	Fire Science

FW	Fish and Wildlife
G	Geology
GEOG	Geography
GER	German
GS	General Science
HD	Human Development
HDFS	Human Development & Family Studies
HE	Health & First Aid/Health Occupations
HIM	Health Information Management
HON	Honors Program
HS	Human Services
HST	History
HUM	Humanities
J	Journalism
LIB	Library
MFG	Manufacturing Technology
MLT	Medical Laboratory Technology
MT	Machine Tool Technology
MTH	Mathematics
MUP	Music Performance
MUS	Music
NR	Natural Resources
NRS	Nursing
NUR	Nursing
OA	Office Administration
PE	Physical Education
PET	Physical Education Technical
PH	Physics
PHAR	Pharmacy Technician
PHL	Philosophy
PS	Political Science
PSY	Psychology
RD	Reading
SOC	Sociology
SP	Speech
SPAN	Spanish
TA	Theatre
WLD	Welding Technology
WR	Writing
WS	Women's Studies

Accounting and Bookkeeping (AC)

AC180 Internship: Accounting 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: CTE

AC2331 Federal and State Income Tax I 4 credits (4 lec hrs/wk)

This course is designed to assist established or potential income tax preparers in determining and reporting federal and state business and personal income taxes. It is approved by the Oregon Department of Commerce for hours of instruction required to take Preparer and Consultant exams.

This course may be taken 1 time for credit.

Course classification: CTE

AC2332 Federal and State Income Tax II 4 credits (4 lec hrs/wk)

This course is designed to assist established or potential income tax preparers in determining and reporting federal and state business and personal income taxes. It is approved by the Oregon Department of Commerce for hours of instruction required to take Preparer and Consultant exams.

This course may be taken 1 time for credit.

Course classification: CTE

AC2764 Small Business Accounting 4 credits (4 lec hrs/wk)

This course covers the most important aspects of small business accounting as well as ways to develop the skills and capabilities that current and future employers need. Students will set-up a typical accounting system for a small business, enter data, track cash and liabilities, and prepare financial statements. This is an introductory course intended for students with no prior accounting experience.

This course may be taken 1 time for credit.

Course classification: CTE

AC280 CWE: Accounting 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

Allied Health (AH)

AH100 Introduction to Health Care Careers 2 credits (2 lec hrs/wk)

This course will expose students to a variety of health care professions and the primary professional competencies required for a career in health care.

This course may be taken 1 time for credit.

Course classification: LDC

AH101 Introduction to Professionalism 2 credits (2 lec hrs/wk)

This course provides an introduction to the professional core competencies required in most careers in health care including patient safety, confidentiality, communication, relationship, teamwork, critical thinking, and ethics. This course will be taught online with two face-to-face seminars in which students will apply their learning in small group discussions and case study scenarios.

This course may be taken 1 time for credit.

Course classification: CTE

AH111 Medical Terminology I 3 credits (3 lec hrs/wk)

This course provides the student with the basic knowledge of building medical terms with root words, suffixes and prefixes. Also provides medical terminology related to the body as a whole; the skeletal, muscular, cardiovascular, lymphatic and immune, respiratory and digestive systems.

This course may be taken 1 time for credit.

Course classification: CTE

AH112 Medical Terminology II 3 credits (3 lec hrs/wk)

Prerequisite(s): (AH111)

Medical Terminology II is a continuation of Medical Terminology I; to include terminology and abbreviations related to the urinary, nervous, integumentary, endocrine, and reproductive systems as well as special senses, diagnostic procedures and pharmacology. Each system outline will include functions and components, suffixes, prefixes, anatomic reference points, and terminology (diagnostic, symptomatic, and operative) pertinent to that system.

This course may be taken 1 time for credit.

Course classification: CTE

AH121 Body Structures and Functions I 3 credits (3 lec hrs/wk)

This course is an introduction to human anatomy and physiology. It is designed for medical office students, pharmacy technicians and other students who desire a broad review of body systems. Normal structure and functions of the human body system, characteristics of the cell as the basis for life and organization of tissues and organs will be covered.

This course may be taken 1 time for credit.

Course classification: CTE

AH122 Body Structures and Functions II 3 credits (3 lec hrs/wk)

Prerequisite(s): (AH121)

This course is an introduction to human anatomy and physiology. It is designed for medical office students, pharmacy technicians and other students who desire a broad review of body systems. Normal structure and functions of the human body systems, characteristics of the cell as the basis for life and organization of tissues and organs will be covered.

This course may be taken 1 time for credit.

Course classification: CTE

AH131 Clinical Procedures I 4 credits (3 lec, 2 lec lab hrs/wk)

Prerequisite(s): (AH112 and AH122), or instructor consent

This course is to provide clinical orientation, initial instruction, and basic skills for a medical/clerical assistant. It will also provide in-depth simulation of office nurse duties. This will prepare the medical office assistant to substitute for the physician's nurse, without major changes in office routine for the safety, security, and comfort of the patient, physician and the medical assistant.

This course may be taken 1 time for credit.

Course classification: CTE

AH132 Clinical Procedures II 4 credits (3 lec, 2 lec lab hrs/wk)

Prerequisite(s): (AH131)

This course provides theoretical knowledge, skills and practical experience which enables the student to attain and maintain safe, intelligent, quality patient care under supervision of licensed personnel. Emphasis on medical and surgical aspects in preparation for office surgery is stressed. Primarily for students already employed in the health care field.

This course may be taken 1 time for credit.

Course classification: CTE

AH150 Medical Office Coding 3 credits (3 lec hrs/wk)

Prerequisite(s): (AH111)

Medical Office Coding provides the student with a basic knowledge of the fundamental coding systems used between the medical community and the insurance carriers, private and government. Includes coding health related conditions and diseases, descriptive terms, and abbreviations of reporting medical services and procedures performed by physicians and other coding systems.

This course may be taken 1 time for credit.

Course classification: CTE

AH151 Reimbursement Management 3 credits (3 lec hrs/wk)

Prerequisite(s): (AH111)

This course teaches students medical insurance terminology and provides familiarity with various types of insurance programs. Content covers insurance claim processing with an introduction to forms, assignment and coordination of benefits, credit and collection procedures with federal and Oregon laws credit applications, basic billing cycles, and an introduction to coding.

This course may be taken 1 time for credit.

Course classification: CTE

AH152 Medical Law and Ethics 2 credits (2 lec hrs/wk)

Medical Law and Ethics is a survey of the manner in which the law and codes of ethics affect the practice of health occupations paraprofessionals. An introduction to the concepts of litigation, consent, introduction to law, ethics and bioethics, genetic, engineering, sterilization, abortion, and death and dying.

This course may be taken 1 time for credit.

Course classification: CTE

AH180 Internship: Allied Health 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: CTE

AH280 CWE: Allied Health 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: LDC

AH280A CWE: Allied Health Front Office 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): (AH100 and AH111 and AH112 and AH121 and AH122 and AH150 and AH151 and AH152 and BA285 and CIS120 and HIM110 and MTH60 and OA116 and OA124 and WR115), or instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: LDC

AH280B CWE: Allied Health Back Office 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): (AC2764 and AH131 and AH132 and AH280A and BA177 and MLT2005 and OA205 and OA240 and PE231 and PHAR5472 and SP218), or instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: LDC

American Sign Language (ASL)

ASL101 1st Yr American Sign Language I 4 credits (4 lec hrs/wk)

Introduces the natural, signed language of American Deaf people. Includes instruction in proper sign formation, American Sign Language (ASL) grammar and vocabulary, expressive and receptive skills. Emphasis on history of ASL, the Deaf community in North America, and Deaf education. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

ASL102 1st Yr American Sign Language II 4 credits (4 lec hrs/wk)

Prerequisite(s): (ASL101)

Continues instruction in the natural, signed language of American Deaf people. Includes instruction in proper sign formation American Sign Language (ASL) grammar and vocabulary, expressive and receptive skills. Emphasis on history of ASL, the Deaf community in North America, and Deaf education. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

ASL103 1st Yr American Sign Language III 4 credits (4 lec hrs/wk)

Prerequisite(s): (ASL102)

Continues instruction in the natural, signed language of American Deaf people. Includes instruction in proper sign formation American Sign Language (ASL) grammar and vocabulary, expressive and receptive skills. Emphasis on history of ASL, the Deaf community in North America and Deaf education. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

ASL180 Internship: American Sign Language 1-12 credits (3 lab hrs/wk/cr)

This course may be taken 12 times for credit.

Course classification: LDC

ASL201 2nd Yr American Sign Language I 4 credits (4 lec hrs/wk)

Prerequisite(s): (ASL103)

Continues instruction in culturally-appropriate use of American Sign Language (ASL) to communicate in the Deaf community. Introduces advanced vocabulary and grammatical aspects of ASL, including temporal aspect and locative and semantic classifiers. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

ASL202 2nd Yr American Sign Language II 4 credits (4 lec hrs/wk)

Prerequisite(s): (ASL201)

Continues instruction in American Sign Language (ASL). Includes interactive events and everyday use of the language. Introduces new vocabulary; descriptive locative and instrument classifiers; and description and identification of objects. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

ASL203 2nd Yr American Sign Language III 4 credits (4 lec hrs/wk)

Prerequisite(s): (ASL202)

Continues instruction in American Sign Language (ASL). Introduces new vocabulary; durative and temporal aspects; and element classifiers. Further practice of everyday use of the language. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

ASL280 CWE: American Sign Language 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: LDC

Anthropology (ANTH)

ANTH101 Physical Anthropology and Evolution 3 credits (3 lec hrs/wk)

This course is an introduction to the field of physical/biological anthropology, with an emphasis on the evolution of and analysis of human variation. The course discusses the perspectives and methods of heredity, paleoanthropology, and primatology in order to trace and explain human evolution from the first primates and hominids to the development of bipedalism and the emergence of anatomically modern humans (*Homo sapiens*).

This course may be taken 1 time for credit.

Course classification: LDC

ANTH102 Introduction to Archaeology 3 credits (3 lec hrs/wk)

This course introduces students to the archaeology and prehistory of the world and archaeological method and theory. It examines the transition of human societies from hunting and gathering to farming and the beginning of urban life through prehistoric and historic archaeology; techniques of fieldwork; analysis and dating; development of cultural stages; and civilizations of the Old and New Worlds.

This course may be taken 1 time for credit.

Course classification: LDC

ANTH180 Internship: Anthropology 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

ANTH221 Intro to Cultural Anthropology 3 credits (3 lec hrs/wk)

This course discusses the meaning of culture, its processes of growth and expansion, its significance for human beings, and its diverse forms and degrees of elaboration among different groups of people. The course introduces students to the theories, concepts, and methods used in cultural anthropology to understand and explain the cultural diversity seen around the world. May be taken independently of ANTH 222/223.

This course may be taken 1 time for credit.

Course classification: LDC

ANTH222 Intro to Cultural Anthropology 3 credits (3 lec hrs/wk)

A continuation of the major topics explored in ANTH 221/223, including marriage and the family, gender, equality and inequality, political systems, conflict and conflict resolution, religion, art and applied anthropology. May be taken independently of ANTH 221/223.

This course may be taken 1 time for credit.

Course classification: LDC

ANTH223 Intro to Cultural Anthropology 3 credits (3 lec hrs/wk)

A continuation of the major topics explored in ANTH 221/222, including the meaning of progress and development, globalization, neoliberalism and the state, identity, medical anthropology, migration and applied anthropology. May be taken independently of ANTH 221/222.

This course may be taken 1 time for credit.

Course classification: LDC

ANTH224 Intro to Medical Anthropology 3 credits (3 lec hrs/wk)

Medical Anthropology is concerned with the cross-cultural study of culture, health, and illness. The course introduces student to theoretical orientations and key concepts of medical anthropology; the cross-cultural diversity of health beliefs and practices; cultural aspects of ethnomedicine and biomedicine; and contemporary issues and special populations such as AIDS, homelessness, cancer, women's health, and children at risk.

This course may be taken 1 time for credit.

Course classification: LDC

ANTH230 Native North Americans: Oregon 3 credits (3 lec hrs/wk)

A survey of prehistoric and historic cultures in Oregon and contemporary Native American issues. This course introduces various tribes of Native Americans in Oregon. Cultural practices; survival strategies; migrations; trade; and cultural change are explored through the findings of archaeology, linguistics, ethnology, historical documents, and contemporary tribal members. May be taken independently of ANTH 231/232.

This course may be taken 1 time for credit.

Course classification: LDC

ANTH231 Native North Americans: PNW 3 credits (3 lec hrs/wk)

Examines Native American cultures in the Pacific Northwest from prehistoric to modern times. Archaeological findings and recent developments are discussed including the origins and development of art forms and fishing technology. May be taken independently of ANTH 230/232.

This course may be taken 1 time for credit.

Course classification: LDC

ANTH232 Native North Americans 3 credits (3 lec hrs/wk)

A broad overview of the earliest inhabitants of North America, including the traditional lifestyles, languages, and customs of selected Native American cultures on the continent. Emphasis is placed on Native American peoples and cultures; diversity of cultural adaptation; European contact; and Native American history (ancient and contemporary). May be taken independently of ANTH 230/231.

This course may be taken 1 time for credit.

Course classification: LDC

ANTH280 CWE: Anthropology 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

This course offers career exploration and workplace experience within a widely defined number of supervised settings. The course provides professional experience in the field of anthropology.

This course may be taken 12 times for credit.

Course classification: LDC

Art (ART)

ART101 Art Appreciation 3 credits (3 lec hrs/wk)

An introduction to the visual arts and the creative process as they relate to historical, cultural, and personal issues. A course designed to enhance the appreciation of art.

This course may be taken 1 time for credit.

Course classification: LDC

ART110 Digital Photography I 3 credits (2 lec, 3 lab hrs/wk)

This course introduces students to digital photography and basic photographic post-production. Students will gain hands-on experience with digital cameras, while simultaneously exploring core photographic principles, including: Composition, focus, exposure, and lighting.

Through discussions, critiques, and readings, students will expand their conceptual foundation and hone their ability to evaluate photographs.

This course may be taken 1 time for credit.

Course classification: LDC

ART115 Basic Design I, Intro to Elements 4 credits (3 lec, 3 lab hrs/wk)

Addresses two-dimensional, black and white design issues in the context of the contemporary visual world. Explores the elements (line, shape, texture, value, space) and principles (composition, harmony, pattern, rhythm) of visual design.

This course may be taken 1 time for credit.

Course classification: LDC

ART116 Basic Design II, Color Theory 4 credits (3 lec hrs/wk)

Addresses color theory, relationship and organization in the context of the contemporary visual world. Explores the elements (line, shape, texture, value, space) and principles (composition, harmony, pattern, rhythm) of visual design.

This course may be taken 1 time for credit.

Course classification: LDC

ART117 Basic Design III, Intro to 3D Design 4 credits (3 lec, 3 lab hrs/wk)

Addresses three-dimensional design (space, forms, materials and methods) in the context of the contemporary visual world. Explores the elements (line, shape, texture, value, space) and principles (composition, harmony, pattern, rhythm) of visual design.

This course may be taken 1 time for credit.

Course classification: LDC

ART131 Introduction to Drawing I 3 credits (2 lec, 3 lab hrs/wk)

Students are introduced to the basic techniques and approaches to drawing with an emphasis on the development of perceptual skills and observational study. Assigned creative projects explore a variety of media, subject matter, and conceptual problems inspired by historical and contemporary artistic practice. Intro to Drawing series 131, 132, 133 may be taken in any sequence.

This course may be taken 1 time for credit.

Course classification: LDC

ART132 Introduction to Drawing II 3 credits (2 lec, 3 lab hrs/wk)

Students are introduced to the basic techniques and approaches to drawing the human figure with an emphasis on the development of perceptual skills and observational study. Assigned creative projects explore a variety of media with a focus on proportion, foreshortening, anatomy, and the application of techniques inspired by historical and contemporary artistic practice. Intro to Drawing series 131, 132, 133 may be taken in any sequence.

This course may be taken 1 time for credit.

Course classification: LDC

ART133 Introduction to Drawing III 3 credits (2 lec, 3 lab hrs/wk)

Students are introduced to the basic techniques and approaches to drawing with an emphasis on the development of meaningful content and personal expression. Assigned creative projects are inspired by historical and contemporary artistic practice, and explore a variety of media, as well as thematic development and organization of the picture plane. Intro to Drawing series 131, 132, 133 may be taken in any sequence.

This course may be taken 1 time for credit.

Course classification: LDC

ART180 Internship: Art 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

ART181A Introduction to Painting A 1 credit (1 lec, 2 lab hrs/wk)

These courses continue to explore visual representation on a two-dimensional surface. It uses oil or acrylic paints for space, division, color, and surface treatment. Both lecture and studio activity are involved weekly.

This course may be taken 1 time for credit.

Course classification: LDC

ART181B Introduction to Painting B 1 credit (1 lec, 2 lab hrs/wk)

These courses continue to explore visual representation on a two-dimensional surface. It uses oil or acrylic paints for space, division, color, and surface treatment. Both lecture and studio activity are involved weekly.

This course may be taken 1 time for credit.

Course classification: LDC

ART181C Introduction to Painting C 1 credit (1 lec, 2 lab hrs/wk)

These courses continue to explore visual representation on a two-dimensional surface. It uses oil or acrylic paints for space, division, color, and surface treatment. Both lecture and studio activity are involved weekly.

This course may be taken 1 time for credit.

Course classification: LDC

ART184A Watercolor Basics I 1 credit (1 lec, 2 lab hrs/wk)

Introduces principles and concepts of watercolor at a beginning level.

This course may be taken 1 time for credit.

Course classification: LDC

ART184B Watercolor Basics II 1 credit (1 lec, 2 lab hrs/wk)

Prerequisite(s): (ART184A)

A continuation of introductory principles and concepts of beginning watercolor. The study of color, composition, and value control are emphasized.

This course may be taken 1 time for credit.

Course classification: LDC

ART184C Watercolor Basics III 1 credit (1 lec, 2 lab hrs/wk)

Prerequisite(s): (ART184B)

A continuation of introductory principles and concepts of beginning watercolor. Special attention given to experimental techniques and history and use of egg as a binder.

This course may be taken 1 time for credit.

Course classification: LDC

ART191 Beginning Sculpture 3 credits (2 lec, 4 lab hrs/wk)

Demonstrates techniques, processes and materials in sculpture. Explores a variety of media and sculptural concepts, emphasizing the discipline and process of handling the tools and additive materials of clay and wire, subtractive qualities of stone and clay.

This course may be taken 1 time for credit.

Course classification: LDC

ART192 Beginning Sculpture 3 credits (2 lec, 4 lab hrs/wk)

Further develop aesthetic awareness and perceptions about three dimensional form. Demonstrates techniques, processes, and materials in sculpture. Concentration on figure study of human form.

This course may be taken 1 time for credit.

Course classification: LDC

ART204 History of Western Art: 3 credits (3 lec hrs/wk)

The History of Western Art is a survey of the traditions, movements, and developments in art and architecture of the western world. Introduces the study of art history and the elements of art then surveys the history of Western Art from prehistory through Early Christian Art.

This course may be taken 1 time for credit.

Course classification: LDC

ART205 History of Western Art: 3 credits (3 lec hrs/wk)

The History of Western Art is a survey of the traditions, movements, and developments in art and architecture of the western world. Emphasizes a survey of the history of art form from the Early Middle Ages through the Baroque.

This course may be taken 1 time for credit.

Course classification: LDC

ART206 History of Western Art: 3 credits (3 lec hrs/wk)

The History of Western Art is a survey of the traditions, movements, and developments in art and architecture of the western world. Surveys Western Art from Neoclassicism to the Present.

This course may be taken 1 time for credit.

Course classification: LDC

ART210 Digital Photography II 3 credits (2 lec, 3 lab hrs/wk)

This course covers intermediate-level digital photography and post-production. Students will gain hands-on experience with interchangeable lens digital cameras and explore professional workflows using Raw capture. The course will deepen students' understanding of the history of photography and popular genres of contemporary photographic practice.

This course may be taken 1 time for credit.

Course classification: LDC

ART225 Computer Art I 3 credits (6 lec lab hrs/wk)

Basics of design elements, drawing, composition, and color are used in presentations that use the computer as the creative medium. Includes planning, design sketches, functional and aesthetic tests, leading to a portfolio of work that showcases the artist/designer.

This course may be taken 1 time for credit.

Course classification: LDC

ART231 Drawing I 3 credits (2 lec, 3 lab hrs/wk)

Explores principles of drawing and visual problemsolving using various media and subjects. May be taken three times for credit.

This course may be taken 1 time for credit.

Course classification: LDC

ART232 Drawing II 3 credits (2 lec, 3 lab hrs/wk)

Explores principles of drawing and visual problem solving using various media and subjects. Emphasis on composition and understanding of visual form including hand-eye-mind coordination. Departing somewhat from the still life, landscape, linear perspective, and non-objective subjects may be covered. A variety of dry and wet drawing media, including colored pencil, may be covered.

This course may be taken 1 time for credit.

Course classification: LDC

ART237 Life Drawing 3 credits (2 lec, 3 lab hrs/wk)

A studio experience with supporting slides, lectures, and occasional films. Covers studying and drawing the human form, using professional models. Presents the structure, form and proportions of human figure, applying various drawing techniques and concepts. Emphasizes personal artistic growth with attention to composition. May be repeated three times.

This course may be taken 1 time for credit.

Course classification: LDC

ART244 Bronze Casting 3 credits (2 lec, 4 lab hrs/wk)

All aspects of the bronze casting process will be covered including mold making, wax pattern production, investment/ceramic shell processes, bronze casting, welding and metal chasing, bronze patina, and final installation of the finished sculpture.

This course may be taken 3 times for credit.

Course classification: LDC

ART253 Ceramics I 3 credits (2 lec, 4 lab hrs/wk)

Presents all aspects of introductory clay processes: Development of ideas, care and preparation of clay, skills and understanding related to clay work on and off the potter's wheel, glazes and firing procedures.

This course may be taken 3 times for credit.

Course classification: LDC

ART256 Ceramics II 3 credits (2 lec, 4 lab hrs/wk)

Prerequisite(s): (ART253)

Allows students to further explore all aspects of clay processes:

Development of ideas, care and preparation of clay, skills and understanding related to clay work on and off the potter's wheel, glazes and firing procedures.

This course may be taken 3 times for credit.

Course classification: LDC

ART280 Field Experience 1-33 credits (3 lab hrs/wk/cr)

Practical on-site experience in art education graphics or art related areas under the joint supervision of an advisor and the sponsoring professional. (Museum & gallery experience, retail art supply experience, professional studio artist, and art educator apprenticeship.)

This course may be taken 33 times for credit.

Course classification: LDC

ART281 Painting I Beginning 3 credits (2 lec, 4 lab hrs/wk)

Offers visual observation and composition of selected subjects using oil or acrylic media. Second and third quarter continues technique and color control on a two-dimensional surface.

This course may be taken 1 time for credit.

Course classification: LDC

ART282 Painting II Beginning 3 credits (2 lec, 4 lab hrs/wk)

Offers visual observation and composition of selected subjects using oil or acrylic media. Second and third quarter continues technique and color control on a two-dimensional surface.

This course may be taken 1 time for credit.

Course classification: LDC

ART283 Painting III Beginning 3 credits (2 lec, 4 lab hrs/wk)

Offers visual observation and composition of selected subjects using oil or acrylic media. Second and third quarter continues technique and color control on a two-dimensional surface.

This course may be taken 1 time for credit.

Course classification: LDC

ART284 Painting I Intermediate 3 credits (2 lec, 4 lab hrs/wk)

Prerequisite(s): (ART281 and ART282 and ART283)

Offers visual observation and composition of selected subjects using oil or acrylic media. Emphasis will be given to individual needs and interests in painting.

This course may be taken 1 time for credit.

Course classification: LDC

ART285 Painting II Intermediate 3 credits (2 lec, 4 lab hrs/wk)

Prerequisite(s): (ART281 and ART282 and ART283)

Offers visual observation and composition of selected subjects using oil or acrylic media. Emphasis will be given to individual needs and interests in painting.

This course may be taken 1 time for credit.

Course classification: LDC

ART286 Painting III Intermediate 3 credits (2 lec, 4 lab hrs/wk)

Prerequisite(s): (ART281 and ART282 and ART283)

Offers visual observation and composition of selected subjects using oil or acrylic media. Emphasis will be given to individual needs and interests in painting.

This course may be taken 1 time for credit.

Course classification: LDC

ART291 Sculpture 3 credits (2 lec, 4 lab hrs/wk)

Prerequisite(s): (ART191) or (ART192) or (ART193)

Explores three-dimensional shapes and forms in greater depth and intensity from previous year. Students assess personal strengths and weaknesses to establish a plan for building skills. They become mentors to new sculpture students thereby strengthening the critical eye.

This course may be taken 1 time for credit.

Course classification: LDC

ART292 Sculpture 3 credits (2 lec, 4 lab hrs/wk)

Explores three-dimensional shapes and forms in greater depth and intensity from previous year. Intermediate human figure study.

This course may be taken 1 time for credit.

Course classification: LDC

ART293 Sculpture 3 credits (2 lec, 4 lab hrs/wk)

Explores three-dimensional shapes and forms. Students achieve full independence in studio processes. They have a greater role in communicating their design understanding beyond the studio to improve the visual aesthetics of a larger community.

This course may be taken 1 time for credit.

Course classification: LDC

Biology (BI)

BI101 General Biology 4 credits (3 lec, 3 lab hrs/wk)

An introductory course in the principles and methods of biology, intended for majors in fields other than the biological sciences. Topics include cell chemistry, structure, and metabolism, as well as cell reproduction, chromosomes, and Mendelian genetics. Unifying themes include evolution and applications to human health.

This course may be taken 1 time for credit.

Course classification: LDC

BI102 General Biology 4 credits (3 lec, 3 lab hrs/wk)

An introductory course in the principles and methods of biology, intended for majors in fields other than the biological sciences. Topics include molecular genetics and biotechnology, evolutionary mechanisms, population biology, and diversity of life (viruses, bacteria, protists, and animals).

This course may be taken 1 time for credit.

Course classification: LDC

BI103 General Biology 4 credits (3 lec, 3 lab hrs/wk)

An introductory course in the principles and methods of biology, intended for majors in fields other than the biological sciences. Topics will include an introduction to the anatomy and physiology of plants, fungi, and animals. Ecology and population biology principles will also be explored.

This course may be taken 1 time for credit.

Course classification: LDC

BI111 Marine Habitats of the Oregon Coast 1 credit (2 lec lab hrs/wk)

Prerequisite(s): (MTH60) or (MTH60 and WR80) or (WR80)

This course provides an introduction to marine habitats, the Oregon Institute of Marine Biology (OIMB), and the field of study for marine biology majors or other interested students. Low tide field trips are conducted to study animals and plants in their habitats. An introduction to courses and research conducted at OIMB is provided.

This course may be taken 1 time for credit.

Course classification: LDC

BI140 Practical Ecology 3 credits (3 lec hrs/wk)

An introduction to the basic concepts of ecology, using examples from the ecology of the local area, with a consideration of impacts made by different types of land use.

This course may be taken 1 time for credit.

Course classification: LDC

BI142 Habitats: Marine Biology 4 credits (3 lec, 3 lab hrs/wk)

Prerequisite(s): (MTH60)

Examines the marine environment and the ecology, physiology, and morphology of marine plants and animals emphasizing Oregon. Laboratory focuses on environmental testing and identification.

This course may be taken 1 time for credit.

Course classification: LDC

BI149 Introduction to Human Genetics 3 credits (3 lec hrs/wk)

Prerequisite(s): (MTH65) or (MTH65 and WR80) or (WR80)

Covers the basic concepts of genetics as they have developed since the nineteenth century. Discusses current techniques that are being developed and applied to problems of inheritance patterns, genetic disorders, and genetic therapy. Behavior and population genetics are included.

This course may be taken 1 time for credit.

Course classification: LDC

BI180 Internship: Biology 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

BI201 Introductory Biology 4 credits (3 lec, 3 lab hrs/wk)

For biological science majors in programs which will require students to complete a series in introductory biology. Topics include inorganic, organic, and biochemistry; cellular structure, chemistry, metabolism and reproduction; and Mendelian genetics.

This course may be taken 1 time for credit.

Course classification: LDC

BI202 Introductory Biology 4 credits (3 lec, 3 lab hrs/wk)

For biological science majors in programs which will require students to complete a series in introductory biology. Topics include molecular genetics and biotechnology; evolutionary mechanisms and population genetics; and an introduction to the diversity of life.

This course may be taken 1 time for credit.

Course classification: LDC

BI203 Introductory Biology 4 credits (3 lec, 3 lab hrs/wk)

For biological science majors in programs which will require students to complete a series in introductory biology. Topics include the anatomy and physiology of plants, animals, and fungi. Ecology, population biology and methods used in field studies will also be explored.

This course may be taken 1 time for credit.

Course classification: LDC

BI231 Human Anatomy and Physiology I 4 credits (3 lec, 3 lab hrs/wk)

Prerequisite(s): (BI101) or (BI201) or (CHEM110) or (CHEM123) or (CHEM223)

The curriculum of the first term of Human Anatomy and Physiology will include the study of body organization, tissues, and a study of the integumentary, skeletal, and muscular systems. The course will include the study of molecules, cells, tissues, organs and organ systems in humans. Some pathological conditions will be covered.

This course may be taken 1 time for credit.

Course classification: LDC

BI232 Human Anatomy and Physiology II 4 credits (3 lec, 3 lab hrs/wk)

Prerequisite(s): (BI231)

The curriculum of the second term of Human Anatomy and Physiology will include the study of: The nervous system including nervous tissue, the spinal chord and spinal nerves, the brain and cranial nerves, sensory and motor and integrative nervous systems, the special senses and the autonomic nervous system; the endocrine system with emphasis on hormone activity, the major hormones of each gland, hormones involved in growth and the stress response; the cardiovascular system including blood, the heart, blood vessels and hemodynamics.

This course may be taken 1 time for credit.

Course classification: LDC

BI233 Human Anatomy and Physiology III 4 credits (3 lec, 3 lab hrs/wk)

Prerequisite(s): (BI232)

The curriculum of the third term of Human Anatomy and Physiology will include the study structure and function of the: Respiratory system; digestive system; metabolism; urinary system; fluid, electrolyte, and acid base balance; the reproductive system; and human development and inheritance.

This course may be taken 1 time for credit.

Course classification: LDC

BI234 Microbiology 4 credits (3 lec, 3 lab hrs/wk)

Prerequisite(s): (BI101) or (BI201) or (CHEM110)

Microbiology principles are applied to health-related fields. Includes characteristics, physiology, and growth requirements of microorganisms, sterilization principles, infection, and immunity. Pathogenic microbes, infections and host resistance will be a consideration.

This course may be taken 1 time for credit.

Course classification: LDC

BI280 CWE: Biology 1-6 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical worksite exposure to applied science, which provides students an opportunity to explore potential career paths in science while gaining practical experience in applying classroom science theory.

This course may be taken 12 times for credit.

Course classification: LDC

Business Administration (BA)

BA101 Introduction to Business 4 credits (4 lec hrs/wk)

This course surveys American business organizations, operation, and management. The course develops an awareness of the nature of business in the capital system. Introduction is made to the fields of ownership, organization, personnel, accounting, financing, marketing, management, production, insurance, real estate, foreign trade and government regulations.

This course may be taken 1 time for credit.

Course classification: LDC

BA110 Group Dynamics for Teams 3 credits (3 lec hrs/wk)

Students develop skills to successfully perform as a team member or leader. Students develop, practice, and refine strategies to improve communication to and across teams - and across functions in the workplace.

This course may be taken 1 time for credit.

Course classification: LDC

BA120 Leadership Development 3 credits (3 lec hrs/wk)

This course introduces leadership and group dynamics theory and skills to identify and develop the qualities of effective leadership that are essential for career, organizational, and personal success. The course will integrate leadership models and theories with current leadership practices within a multicultural context.

This course may be taken 1 time for credit.

Course classification: LDC

BA150 Introduction to Entrepreneurship 3 credits (3 lec hrs/wk)

Entrepreneurship is an exciting opportunity for students to learn about potential business ownership becoming the creator of jobs in the community. The course will focus on the leadership skills and entrepreneurial traits needed to be successful.

This course may be taken 1 time for credit.

Course classification: CTE

BA156 Essentials of Economics 3 credits (3 lec hrs/wk)

Prerequisite(s): (MTH60) or (MTH65) or (MTH82) or (MTH95)
This course introduces the subject of economics in a practical business-oriented sense. The course relies on current events and practical applications. The content includes supply and demand, fiscal and monetary policies, and international trade.

This course may be taken 1 time for credit.

Course classification: LDC

BA177 Payroll Records and Accounting 3 credits (3 lec hrs/wk)

Prerequisite(s): (AC2764) or (BA211)

Become familiar with the basic knowledge and skills of payroll accounting. Provides practice in all payroll operations such as calculation of gross pay, calculation of applicable withholding and deductions, journalizing and posting payroll transactions, and completing various federal and state forms.

This course may be taken 1 time for credit.

Course classification: CTE

BA180 Internship: Business Administration 1-12 credits (3 lab hrs/wk/ cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: CTE

BA203 Intro. to International Business 3 credits (3 lec hrs/wk)

Prerequisite(s): (BA223 and WR115) or (BA223 and WR121)

This course provides students with a basic understanding of the broad field of international business. It forms a foundation for future study and specialization in the international business field. Students will gain an understanding of the institutions, environments, forces, and problems that are involved when businesses operate in foreign economies.

This course may be taken 1 time for credit.

Course classification: LDC

BA205 Solving Communication Problems 4 credits (4 lec hrs/wk)

Prerequisite(s): (WR115) or (WR121)

Focuses on using current technology to create, revise and design business documents: Letters, memos, e-mail, reports, minutes, simple instructions, and resumes. Students will use library and Internet resources to collect information. In addition, students will deliver oral presentations using presentation tools.

This course may be taken 1 time for credit.

Course classification: LDC

BA206 Management Fundamentals 3 credits (3 lec hrs/wk)

The course explores the duties of managers and the techniques they use to improve organizational performance. Focuses on four key responsibilities of management: Planning, organizing, leading and control.

This course may be taken 1 time for credit.

Course classification: LDC

BA211 Principles of Accounting I 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH60)

Discusses the theory, principles and procedures for organizing, interpreting and reporting the financial transactions of business or industry. Describes and discusses the problems of properly recording and measuring income and expense. Specialized areas such as: Merchandise inventory, special journals, cash and receivables are discussed.

This course may be taken 1 time for credit.

Course classification: LDC

BA212 Principles of Accounting II 4 credits (4 lec hrs/wk)

Prerequisite(s): (BA211)

Discusses the theory and principles of recording financial records, including accounting systems, management control, depreciation, merchandise inventory, evaluation, partnership and corporate accounting, capital stock, investments, statement of cash flow, and dividends.

This course may be taken 1 time for credit.

Course classification: LDC

BA213 Principles of Accounting III 4 credits (4 lec hrs/wk)

Prerequisite(s): (AC2764) or (BA212)

This course will cover cost accounting for manufacturing plants, income taxes and their effect on business decisions and analysis of financial statements.

This course may be taken 1 time for credit.

Course classification: LDC

BA215 Cost Accounting 3 credits (3 lec hrs/wk)

Prerequisite(s): (AC2764) or (BA212)

This course develops techniques for determining product costs under job order, process and standard costing, and introduces cost analysis for decision making.

This course may be taken 1 time for credit.

Course classification: LDC

BA217 Accounting Process 3 credits (3 lec, 1 lab hrs/wk)

Prerequisite(s): (AC2764) or (BA211)

Review and apply basic accounting systems in practical applications. These will range from working with journals and ledgers, to the application of accounting systems on a microcomputer and analyzing financial statements.

This course may be taken 1 time for credit.

Course classification: LDC

BA220 Tax Accounting 3 credits (3 lec hrs/wk)

Prerequisite(s): (AC2764) or (BA211)

A beginning course in federal income tax preparation. Business taxes as it relates to a single proprietor will be briefly discussed.

This course may be taken 1 time for credit.

Course classification: LDC

BA222 Finance 3 credits (3 lec hrs/wk)

Prerequisite(s): (AC2764) or (AC2764 and MTH60) or (BA211) or (BA211 and MTH60)

This course covers the core financial aspects of business entrepreneurship in sole proprietorships, partnerships, limited liability companies, and private corporations. It includes key financial topics such as financial statements, break-even analysis, cash-flow analysis, working capital management, time value of money, and capital budgeting.

This course may be taken 1 time for credit.

Course classification: LDC

BA223 Principles of Marketing 3 credits (3 lec hrs/wk)

Develops skills in understanding and developing strategies in the marketing environment. Covers principles and techniques of market research, consumer behavior, product development, pricing, distribution and promotion. Establishes basis for creating a marketing plan.

This course may be taken 1 time for credit.

Course classification: LDC

BA224 Human Resource Management 3 credits (3 lec hrs/wk)

Prerequisite(s): (BA206)

The student will be introduced to personnel functions as they relate to the management of the human resources of an organization. Areas of concentration will include employee selection, training, and compensation.

This course may be taken 1 time for credit.

Course classification: LDC

BA230 Business Law 4 credits (4 lec hrs/wk)

Prerequisite(s): (BA101)

This course introduces the student to the legal environment of business. Students will explore/understand the specific legal issues in conducting business. Topics include: The legal environment as well as tort, contract, sales, agency, real/personal property, partnership, and corporation law.

This course may be taken 1 time for credit.

Course classification: LDC

BA233 E-Marketing 3 credits (3 lec hrs/wk)

Prerequisite(s): (BA223)

Learn the practical applications of diverse online marketing components such as searches and optimization, tracking, reporting, and social media. Online marketing strategies will be introduced to guide creation, promotion, and tracking of an online presence for a person, brand, or company.

This course may be taken 1 time for credit.

Course classification: LDC

BA238 Sales 3 credits (3 lec hrs/wk)

This course involves the role of sales as an integral part of the total marketing function. The application of selling to the behavioral science will be included with special emphasis on sales psychology, sales techniques and the fundamental principles of sales communication.

This course may be taken 1 time for credit.

Course classification: LDC

BA239 Advertising 3 credits (3 lec hrs/wk)

Prerequisite(s): (BA223)

A detailed examination of the purpose, preparation, placement, and analysis of the various types of advertisements within each of the media, such as television, radio and the newspaper. The relative merits of several of the media are then explored. The course involves practice in the planning and analysis of complete advertising campaigns and their coordination with other marketing strategies.

This course may be taken 1 time for credit.

Course classification: LDC

BA240 Fund Accounting Governmental 3 credits (3 lec hrs/wk)

Prerequisite(s): (WR115) or (WR121)

This course presents accounting for governmental and non-profit organizations. It includes budgetary and expenditure control as well as considerations, reporting and operations of general, special revenue and capital projects.

This course may be taken 1 time for credit.

Course classification: LDC

BA249 Retailing 3 credits (3 lec hrs/wk)

A study of retail strategy, structure and management. The course stresses the role of the supervisor in the daily operation of retail work.

This course may be taken 1 time for credit.

Course classification: LDC

BA250 Small Business Management 3 credits (3 lec hrs/wk)

Prerequisite(s): (BA223)

This course covers the basic principles of business entrepreneurship, including planning, organizing, innovation, staffing, and controlling, stressing those elements needed for financial achievement and personal reward.

This course may be taken 1 time for credit.

Course classification: LDC

BA277 Business Ethics 3 credits (3 lec hrs/wk)

This course is designed to make the student aware of the ethical issues currently facing business and to provide a background against which the student may evaluate and/or compare his or her own ethical views/stands.

This course may be taken 1 time for credit.

Course classification: LDC

BA280 CWE: Business Admin 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

BA284 Job Readiness 1 credit (1 lec hrs/wk)

Prerequisite(s): (CIS120)

Introduces student to tools and strategies for job exploration and professional portfolio development. A professional portfolio is a collection of evidence of learning and experiences such as reflective journals and work samples.

This course may be taken 1 time for credit.

Course classification: CTE

BA285 Human Relations in Organizations 3 credits (3 lec hrs/wk)

This course explores interactions in organizations by examining human perceptions, communications, small group dynamics and leadership. Includes the dynamics of change, cultural diversity, substance abuse, work stress, ethics and social responsibility, career development, and the challenges of globalization.

This course may be taken 1 time for credit.

Course classification: LDC

BA288 Customer Service 3 credits (3 lec hrs/wk)

This course provides a thorough introduction to customer service skills.

Introduces concepts of basic customer service. Covers how to develop and establish a customer service vision. Examines how to understand customer expectations before, during and after service delivery.

This course may be taken 1 time for credit.

Course classification: LDC

BA292 Entrepreneurship Capstone 3 credits (3 lec hrs/wk)

Prerequisite(s): (BA101 and BA150 and BA205 and BA206 and BA222 and BA239)

This course showcases the student's achievements in completing their program. Throughout this project-based course the student will be guided towards integrating their learning using a variety of activities such as reflecting, documenting, interviewing, volunteering, or taking part in other academic- or community-based events.

This course may be taken 1 time for credit.

Course classification: CTE

Chemistry (CHEM)

CHEM110 Found of Gen, Organic & Biochem 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH60)

This is a survey of chemistry from atomic structure through biochemistry.

CHEM 110 is primarily for students in pre-nursing, some allied health fields, and students who need a brief introduction to chemistry that includes organic and biochemistry. The course does not have an associated lab.

This course may be taken 1 time for credit.

Course classification: LDC

CHEM110H Fnds of Gen, Org & Biochem w/Honors 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH60)

This is a survey of chemistry from atomic structure through biochemistry.

CHEM*110H is primarily for students in pre-nursing, some allied health fields, and students who need a brief introduction to chemistry that includes organic and biochemistry. The course does not have an associated lab. This course is part of the Honors Option Program.

This course may be taken 1 time for credit.

Course classification: LDC

CHEM180 Internship: Chemistry 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

CHEM221 General Chemistry I 5 credits (4 lec, 3 lab hrs/wk)

Prerequisite(s): (MTH95)

First-year chemistry for science, engineering, and health pre-professional students. Classroom and laboratory work are quantitative and require good math skills. Must be taken in sequence. Covers atomic structure, chemical bonding, molecular geometry, reactions, and stoichiometry.

This course may be taken 1 time for credit.

Course classification: LDC

CHEM222 General Chemistry II 5 credits (4 lec, 3 lab hrs/wk)

Prerequisite(s): (CHEM221 and MTH111)

First-year chemistry for science, engineering, and health pre-professional students. Classroom and laboratory work are quantitative and require good math skills. Must be taken in sequence. Covers gases, liquids, solutions, equilibrium theory, kinetics, and redox.

This course may be taken 1 time for credit.

Course classification: LDC

CHEM223 General Chemistry III 5 credits (4 lec, 3 lab hrs/wk)

Prerequisite(s): (CHEM222)

The third course in the general chemistry sequence for science, engineering and health pre-professional students. Topics include: Chemical equilibrium, acids and bases, ionic equilibrium, thermodynamics, electrochemistry, organic chemistry, and biochemistry.

This course may be taken 1 time for credit.

Course classification: LDC

CHEM245 Organic Chemistry I 4 credits (3 lec, 3 lab hrs/wk)

The first course of a three-term sequence in organic chemistry for students interested in the sciences, chemical engineering, and professional health programs. Topics include the structure of organic molecules, organic functional groups, stereochemistry, reaction mechanisms, and spectroscopy. Includes laboratory component. May be eligible for upper division credit at a four-year institution.

This course may be taken 1 time for credit.

Course classification: LDC

CHEM246 Organic Chemistry II 4 credits (3 lec, 3 lab hrs/wk)

The second course of a three-term sequence in organic chemistry for students interested in the sciences, chemical engineering, and professional health programs. Topics include nucleophilic substitution at the carbonyl group and saturated carbons, organometallic compounds, elimination and addition reactions, and electrophilic and nucleophilic aromatic substitution. Includes a laboratory component. May be eligible for upper division credit at a four-year institution.

This course may be taken 1 time for credit.

Course classification: LDC

CHEM247 Organic Chemistry III 4 credits (3 lec, 3 lab hrs/wk)

The third course of a three-term sequence in organic chemistry for students interested in the sciences, chemical engineering, and professional health programs. Topics include the chemistry of enols and enolate ions, radical chemistry, selectivity in chemical synthesis, retrosynthetic analysis, symmetric synthesis, and biological macromolecules. Includes a laboratory component. May be eligible for upper division credit at a four-year institution.

This course may be taken 1 time for credit.

Course classification: LDC

CHEM280 CWE: Chemistry 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical worksite exposure to applied science, which provides students an opportunity to explore potential career paths in science while gaining practical experience in applying classroom science theory.

This course may be taken 12 times for credit.

Course classification: LDC

Clinical Laboratory Assistant (CLA)

CLA100 Clinical Lab Asst Skills I 4 credits (3 lec, 2 lec lab hrs/wk)
Prerequisite(s): (CIS90 and MTH60) or (CIS90 and MTH60 and WR90) or (CIS90 and WR90) or (MTH60 and WR90), or instructor consent
Corequisite(s): (AH101 and AH111 and AH121 and AH152)
This course is designed to prepare students to work in a clinical laboratory by giving students a thorough background of the concepts, basic responsibilities and skills that are unique to phlebotomy and by defining the role of the clinical assistant in the health care delivery system. This course will provide an overview of clinical laboratory work including organizational structures, regulatory standards, quality assurance practices and basic clinical laboratory procedures. Infections control principles, workplace safety, laboratory terminology, behaviors for success, procedures to collect specimens, methods for preparing blood and body fluid specimens for analysis and the performance of basic tests at the clinical assistant level will be addressed. A thorough background in blood collection will be addressed, including demonstration of venipuncture and skin puncture techniques.
This course may be taken 1 time for credit.
Course classification: CTE

CLA105 Clinical Lab Asst Skills II 4 credits (3 lec, 2 lec lab hrs/wk)
Prerequisite(s): (AH101 and AH111 and AH121 and AH152 and CHEM110 and CLA100), or instructor consent
Corequisite(s): (CLA110 and CLA280A)
This course introduces the basics of laboratory tests related to hematology, urinalysis and body fluids. Safety procedures, suitability of specimens, standards and controls, slide preparation, test performance, technical errors and inventory supplies will be discussed. Students will perform tests on cells in the blood and body fluids. Spinal fluid, amniotic fluid, serous fluid, synovial fluid, sputum, semen and feces will be discussed. Also covered are the principles and procedures for coagulation studies. Included will be an overview of the urinary system including abnormalities and disease. Collection, handling, storage of, analysis of physical and chemical properties, and identification of morphological elements of urine is also integrated.
This course may be taken 1 time for credit.
Course classification: CTE

CLA110 Clinical Lab Asst Administrative 2 credits (2 lec hrs/wk)
Prerequisite(s): (CLA100), or instructor consent
Corequisite(s): (CLA105 and CLA280A)
This course provides a foundation in the technical and non-technical aspects of clinical laboratory testing services within the current health care delivery system. Topics covered in this course include accreditation of laboratories, financial management, information systems management, management of the quality of clinical laboratory testing, the role and responsibilities of a supervisor, personnel management, leadership and communication skills, and ethics in the clinical laboratory testing environment. The emphasis of the course is on the knowledge, skills, and attitudes needed to work successfully in a health care setting at the entry-level and beyond. Laboratory billing administrative duties, vital signs, and EKG techniques will be discussed.
This course may be taken 1 time for credit.
Course classification: CTE

CLA115 Clinical Lab Assistant Skills III 4 credits (3 lec, 2 lec lab hrs/wk)
Prerequisite(s): (CLA100 and CLA105 and CLA110 and CLA280A), or instructor consent
Corequisite(s): (CLA280B)
This course will provide an introduction to clinical chemistry, immunology, and microbiology. An emphasis is placed on basic chemical laboratory technique, safety, electrolytes, acid-base balance, proteins, carbohydrate, lipids, enzymes, endocrine function, TDM, and toxicology. This course will also demonstrate how the immune system develops, prevents infectious diseases and interacts with other bodily systems to limit or cause tissue damage. In addition, principles of clinical microbiology with an emphasis on microorganisms and human disease. This course may be taken 1 time for credit.
Course classification: CTE

CLA180 Internship: CLA 1-12 credits (3 lab hrs/wk/cr)
Prerequisite(s): Instructor consent
Practical on-site experience that will allow students to explore workplace environments and career options
This course may be taken 12 times for credit.
Course classification: CTE

CLA280A Clinical Lab Assistant/Practicum I 3 credits (9 lab hrs/wk)
Prerequisite(s): (AH100 and AH111 and AH121 and CHEM110 and CLA100), or instructor consent
Corequisite(s): (CLA105 and CLA110)
Supervised experience in a medical center laboratory that will allow students to test knowledge learned in the classroom, apply psychomotor skills and gain practical experience.
This course may be taken 1 time for credit.
Course classification: CTE

CLA280B Clinical Lab Assistant/Practicum II 4 credits (12 lab hrs/wk)
Prerequisite(s): (AH100 and AH111 and AH121 and CHEM110 and CLA100 and CLA105 and CLA110 and CLA280A), or instructor consent
Corequisite(s): (CLA115)
Supervised experience in a medical center laboratory that will allow students to test knowledge learned in the classroom, apply psychomotor skills and gain practical experience.
This course may be taken 1 time for credit.
Course classification: CTE

Computer Information Systems (CIS)

CIS120 Concepts of Computing 4 credits (4 lec hrs/wk)

Prerequisite(s): (CIS90)

Course provides information on computer basics, including hardware and software components, networking, applications and operating systems software, and social issues related to computing, technology, and the Internet. Course also provides instruction on common software applications including spreadsheet, database and presentations.

This course may be taken 1 time for credit.

Course classification: LDC

CIS120X Problem Solving for CIS Majors 4 credits (4 lec hrs/wk)

Prerequisite(s): (CIS90)

This course will give students hands-on experience in a wide range of modern information technology. Several IT concepts will be introduced that will provide a basis for further study in Information Technology. Students will work on a number of projects that will give perspectives on areas of IT, including but not limited to, visual and/or robotic programming, social media, web design, networking, security, privacy and ethics. Students will leave the course with an understanding of the components of modern IT systems and the scope of knowledge needed to become an IT professional.

This course may be taken 1 time for credit.

Course classification: LDC

CIS125DB Database Applications 3 credits (2 lec, 2 lec lab hrs/wk)

Prerequisite(s): (CIS90)

Microsoft Access is extremely flexible database application that can be linked to data stored in other applications and databases. This course offers students an opportunity to create and modify databases, add fields to a table and assign data types. Students are given hands-on experience in customizing forms, importing data, grouping data, creating calculated fields, developing reports and sub-reports. Advanced features are introduced, which include but not limited to, macros, form command buttons, append and update queries.

This course may be taken 1 time for credit.

Course classification: CTE

CIS125DM Digital Media Applications 3 credits (2 lec, 2 lec lab hrs/wk)

Prerequisite(s): (CIS90)

Concepts-centered course encompasses beginning and intermediate concepts of multimedia applications, punctuated by hands-on projects. Utilizing current digital tools, course covers developing bit-mapped images, vector images, animation, sound, and video. Concepts include managing media, importing and exporting between applications, converting file types, controlling file sizes, and legal and ethical issues.

This course may be taken 1 time for credit.

Course classification: CTE

CIS125DW Computer Applications: Dreamweaver 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS90)

This course covers HTML, CSS coding, and dynamic JavaScript to create interactive and flexible web pages. Students will utilize the Dreamweaver application to create a website, as well as learn about the concepts of web design.

This course may be taken 1 time for credit.

Course classification: CTE

CIS125FL Computer Applications Flash 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS90)

Flash is used to create animations, games and presentations viewed on computers and mobile devices. Students will create visuals for interactive animations, website interfaces and streaming online videos with usable controls.

This course may be taken 1 time for credit.

Course classification: CTE

CIS125ID Computer Applications: Indesign 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS90)

Students learn to use paragraph and character styles, layout features, and panels that enable customized text and graphics. Course demonstrates how to build tables and prepare documents for delivery in print or on the Web. Students gain experience with advanced features like creating interactive documents using buttons, animations/transitions, movies, audio files, hyperlinks, and advanced page layouts.

This course may be taken 1 time for credit.

Course classification: CTE

CIS125IL Computer Applications: Illustrator 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS90)

Illustrator is the industry standard tool for creating logos, maps, diagrams, vector illustrations. This course introduces students to a variety of different media including illustrations, package designs, leaflets and flyers, web graphics and animations. Students will create a logo, build a package, and create photorealistic illustrations.

This course may be taken 1 time for credit.

Course classification: CTE

CIS125MA Computer Applications: Maya 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS90)

Autodesk Maya is an end-to-end application for visual effects artists and animators to design content for film, TV, games and advertising. This course offers 3D content creation for modeling, animation, texturing and rendering. Students will gain an understanding of the Maya toolset and learn how to create, edit, and refine polygon models.

This course may be taken 1 time for credit.

Course classification: CTE

CIS125P Presentation Applications 1 credit (1 lec hrs/wk)

Prerequisite(s): (CIS101)

This course introduces intermediate to advanced features of presentation software for the efficient development of effective presentations. Using word processing skills and presentation theories, students will enhance their skills to develop professional looking and effective presentations complete with outline, speaker notes and audience handouts.

This course may be taken 1 time for credit.

Course classification: CTE

CIS125PH Computer Applications: Photoshop 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS90)

This course offers beginning and intermediate level techniques and design principles related to digital photo manipulation. Students transform images, adjust and retouch images using hands on experience to add filters, layers and masking elements within an image.

This course may be taken 1 time for credit.

Course classification: CTE

CIS125PR Computer Applications: Premiere 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS90)

Premiere is an industry standard for video editing. This course will include the basics of gathering video, computer requirements, creating graphics in Photoshop, and starting a project in Premiere. More advanced features, including but not limited to, keying audio, fixing audio, fixing color, adding color effects, fixing shaky footage and creating moving end credits.

This course may be taken 1 time for credit.

Course classification: CTE

CIS125S Spreadsheet Applications 3 credits (2 lec, 2 lec lab hrs/wk)

Prerequisite(s): (CIS90)

This course covers skills in developing Excel spreadsheets and setting up calculations and formulas. Students learn how to make changes to an existing worksheet, format new worksheets, graphs, charts, and advanced formulas. Intermediate and advanced skills are introduced such as the customization of entire workbooks, interactive elements like Pivot Tables/Charts and combining multiple worksheets to handle larger, more complex sets of data.

This course may be taken 1 time for credit.

Course classification: CTE

CIS125TD Computer Applications: 3D Max 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS90)

This course offers students the opportunity to learn contemporary industry software beginning and intermediate level techniques and related design principles. The integrated curriculum will guide students through design principles and project management techniques as they are introduced to software techniques.

This course may be taken 1 time for credit.

Course classification: CTE

CIS125W Word Processing Applications 3 credits (2 lec, 2 lec lab hrs/wk)

Prerequisite(s): (CIS90)

Word is a feature-rich productivity application used regularly in business. This course offers students the opportunity to learn about the versatility of Word including document formatting, tables, graphics, templates, references, custom styles, merging, macros, versioning and proofing.

This course may be taken 1 time for credit.

Course classification: CTE

CIS135W Advanced Word Processing 3 credits (2 lec, 2 lec lab hrs/wk)

Prerequisite(s): (CIS125W)

This course uses Word and Publisher to focus on page layout and design rather than text composition and proofing. Using word processing skills and design/layout theories, students will learn how to develop professional-looking and effective publications.

This course may be taken 1 time for credit.

Course classification: CTE

CIS140M Intro to Oper System: Microsoft 4 credits (4 lec hrs/wk)

Prerequisite(s): (CIS90)

This course introduces the student to the theory and operation of operating systems. It will include disk and file handling techniques, common utilities, security issues, minor hardware installation, maintenance and the use of the networks.

This course may be taken 1 time for credit.

Course classification: CTE

CIS140U Intro to Operating Systems: Unix 4 credits (4 lec hrs/wk)

Prerequisite(s): (CIS90)

This course introduces the student to the Unix/Linux operating system. It provides experience using the command line to conduct file management, basic system administration and run applications. Students will learn the fundamental Unix/Linux command set, file security, editors, scripting, and C programming.

This course may be taken 1 time for credit.

Course classification: CTE

CIS145 Hardware Installation Support 4 credits (4 lec hrs/wk)

Prerequisite(s): (CIS90)

This course covers the fundamentals of computer hardware, software and advanced concepts in security, networking, and the responsibilities of an IT professional. Topics include, but are not limited to, computer components, assemble a computer system, operating system installation, mobile devices, troubleshooting and diagnostic software.

This course may be taken 1 time for credit.

Course classification: CTE

CIS151 Network Essentials 4 credits (4 lec hrs/wk)

This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing, fundamentals of Internet concepts, media, and operations. Students gain experience in building simple LANs, basic configurations for routers and switches, and IP addressing schemes.

This course may be taken 1 time for credit.

Course classification: CTE

CIS152 Network Router Configuration 4 credits (4 lec hrs/wk)

Prerequisite(s): (CIS151)

This course describes the architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality, troubleshoot routers and switches to resolve common issues with RIPv1, RIPv2, single-area and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks.

This course may be taken 1 time for credit.

Course classification: CTE

CIS180 Internship: CIS 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to explore workplace environments and career options

This course may be taken 12 times for credit.

Course classification: CTE

CIS188 Wireless Networking 3 credits (6 lec lab hrs/wk)

Prerequisite(s): (CIS151)

Fundamentals of Wireless LANs is an introductory course focusing on the design, planning, implementation, operation and troubleshooting of wireless networks. It covers a comprehensive overview of technologies, security and design best practices with particular emphasis on hands-on skills in wireless LAN setup and troubleshooting. This course offers a foundation for the Cisco Wireless LAN Support Specialist designation.

This course may be taken 1 time for credit.

Course classification: CTE

CIS225 End User Support 4 credits (3 lec, 3 lab hrs/wk)

Prerequisite(s): (CIS120 and CIS145) or (CIS120X and CIS145) or (CIS145 and CS160)

Course introduces professional and interpersonal skills needed by technicians who support and manage hardware and software information systems. Includes analyzing, troubleshooting and solving basic hardware and software problems, developing customer service skills and an ethics awareness, help desk operation, technical documentation and training. This course may be taken 1 time for credit.

Course classification: CTE

CIS235 Integrated Computer Projects 4 credits (4 lec hrs/wk)

Prerequisite(s): (CIS120 and CIS125W) or (CIS125S and CIS125W) or (CIS125W)

Integrated Computer Projects apply previous computer and business knowledge to create individual and group projects using software found in today's workplace. Use integrated software (i.e. MS Office) to learn skills such as linking and embedding, e-mail, Internet, FAX and scanners. This course may be taken 0 times for credit.

Course classification: CTE

CIS245 Project Management 3 credits (3 lec hrs/wk)

This course covers project management life-cycle activities of initiating, planning, executing, controlling, and closing the work of a team to achieve specific goals and success. Students evaluate the primary constraints of project management and learn about how to gain stakeholder support and manage change.

This course may be taken 1 time for credit.

Course classification: CTE

CIS250 Technology Entrepreneurship 3 credits (3 lec hrs/wk)

This course introduces students to entrepreneurial business aspects of the technology industry. Topics will include relevant business issues such as entrepreneurship, business planning, leadership, management, quality control, risk management, productivity, safety, and estimating.

This course may be taken 1 time for credit.

Course classification: CTE

CIS279 Network Management I 4 credits (3 lec, 3 lab hrs/wk)

Course introduces concepts of network management and applications, discussing implementation, administration, configuration and troubleshooting in a networked environment. LAN hands-on experience and lab exercises are provided. Hands-on provided in current network operating system. Course Prepares the student for the Microsoft Server 70-642 Network Infrastructure Configuration certification.

This course may be taken 1 time for credit.

Course classification: CTE

CIS280 CWE: Computer Info Systems 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

CIS297 IT Professional Capstone 4-0 credits (3 lec, 3 lab hrs/wk/cr)

This course addresses knowledge skills and dispositions useful to IT professionals. Students will explore and acquire job exploration skills effective interview skills and search skills to optimize job market opportunities. An integrated approach is used to combine project design components relative to job goals and capstone activities to assist in entering the job market with an array of job and technical analysis and design skills.

This course may be taken 1 time for credit.

Course classification: CTE

CIS90 Computer Basics 2 credits (2 lec hrs/wk)

This is a basic course in computer literacy and is intended for the novice user. Students will become familiar with current terminology. Students will learn end-user skills in using a learning management system (LMS), file management using a PC operating system, word processing, e-mail, and Internet research.

This course may be taken 1 time for credit.

Course classification: DEV

Computer Science (CS)

CS133WS Web Scripting 4 credits (3 lec, 2 lec lab hrs/wk)

This programming course introduces basic concepts of client-side and server-side scripting languages emphasizing concepts of good website design and construction with the use of scripting languages. Programming focus is on modern event-driven client-server software concepts using HTML/XHTML and JavaScript and PHP. Prior HTML/XHTML knowledge is required for success.

This course may be taken 1 time for credit.

Course classification: LDC

CS160 Computer Science Orientation 4 credits (3 lec, 2 lec lab hrs/wk)

This course introduces students to the computer science field and profession. Students will be introduced to computer science, programming and careers, as well as societal and ethical issues surrounding the use of computers. Students will have the opportunity to participate in team problem solving.

This course may be taken 1 time for credit.

Course classification: LDC

CS161 Introduction to Computer Science I 4 credits (3 lec, 2 lec lab hrs/wk)

Prerequisite(s): (CS160)

This course offers a history and overview of fundamental computer science concepts using an object-oriented programming language. Topics include object-oriented programming, software engineering, algorithm development, data representation, introduction to user interface design and sources of error.

This course may be taken 1 time for credit.

Course classification: LDC

CS162 Introduction to Computer Science II 4 credits (3 lec, 2 lec lab hrs/wk)

Prerequisite(s): (CS161)

This course covers software engineering principles and modern programming methods. Topics include event-driven programming for graphical user interfaces, recursion, stream and exception handling. This course also introduces analysis of algorithms, sorting and searching.

This course may be taken 1 time for credit.

Course classification: LDC

CS165 Mobile Application Development 4 credits (3 lec, 2 lec lab hrs/wk)

This class gives a broad exposure to application development on mobile platforms. Flavor for this class is the Android family of devices including tablets and smartphones. Starting at the hardware level and working through the Java language building a spectrum of basic applications ranging from GPS mapping, media players, animation, and communication. Students will also touch on publishing a new app to the market. The starting point for the application development begins here.

This course may be taken 1 time for credit.

Course classification: LDC

CS180 Internship: Computer Science 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: CTE

CS195 Web Development I 3 credits (2 lec, 2 lec lab hrs/wk)

This class introduces the basic elements of beginning webpage creation using a text editor and HTML/XHTML. This class will focus on web terminology basic HTML/XHTML coding to include hyperlinks anchors tables forms and frames design principles and accessibility issues. Students will explore the availability of tools for webpage creation site management validation and accessibility checks.

This course may be taken 1 time for credit.

Course classification: LDC

CS233WS Computer Language II: Server-Side 4 credits (3 lec, 2 lec lab hrs/wk)

The course is designed to provide students with an introduction to programming web-based applications using a contemporary server-based programming language. Students will learn how to design, code, and implement interactive webpages with dynamically-generated content. Course assumes students have a working knowledge of HTML and client-side scripting.

This course may be taken 1 time for credit.

Course classification: CTE

CS244 Systems Analysis 3 credits (3 lec hrs/wk)

This course will introduce methods and modeling tools used in the systems development process. Emphasis is on structured analysis of computer information systems. Assignments will include the use of project management software CASE tools and graphic tools applied to problems similar to those found in systems in business and industry.

This course may be taken 1 time for credit.

Course classification: LDC

CS261 Data Structures 4 credits (3 lec, 2 lec lab hrs/wk)

Prerequisite(s): (CS162)

This course covers complexity analysis, approximation methods, trees and graphs, file processing, binary search trees, hashing, and storage management.

This course may be taken 1 time for credit.

Course classification: LDC

CS275 Database Management 4 credits (3 lec, 2 lec lab hrs/wk)

Prerequisite(s): (CS133WS) or (CS161) or (CS165)

This course is designed to be broader than teaching specific database products. It will address database development, a concept which includes data modeling, database design, and database implementation. It will identify the entity-relationship and object data modeling techniques, and the importance of normalizing data models. Techniques of implementing these models into a relational database scheme will be presented.

This course may be taken 1 time for credit.

Course classification: LDC

CS276 Advanced SQL 4 credits (3 lec, 2 lec lab hrs/wk)

Prerequisite(s): (CIS233WS and CS275) or (CS162 and CS275)

Focuses on design, development and implementation of SQL programming for all types of relational database applications including client/server and Internet databases. Learn to write complicated interactive and embedded SQL statement and learn the implications of multi-user database applications.

This course may be taken 1 time for credit.

Course classification: LDC

CS280 CWE: Computer Science 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge

This course may be taken 12 times for credit.

Course classification: CTE

CS297 SD Professional Capstone 4 credits (3 lec, 3 lab hrs/wk)

Prerequisite(s): (CIS244)

This course addresses knowledge, skills, and dispositions useful to IT professionals. Students will explore and acquire job exploration skills, effective interview skills, and search skills to optimize job market opportunities. An integrated approach is used to combine project design components.

This course may be taken 1 time for credit.

Course classification: CTE

Criminal Justice (CJ)

CJ100 Intro to Criminal Justice 4 credits (4 lec hrs/wk)

This survey course is designed to provide students with a general introduction to the concepts, phenomenon, and issues of concern in the scientific study of crime, criminal justice agencies and criminal justice practices. It provides the student with an overview of the nature, dynamics, etiological theories of crime and criminal behavior; it also seeks to establish a rudimentary level of understanding of the major issues of concern in criminal justice and the major agencies. Special emphasis is given to current research findings in crime policy and criminal practice.

This course may be taken 1 time for credit.

Course classification: LDC

CJ101 Intro to Criminology 4 credits (4 lec hrs/wk)

An interdisciplinary and introductory overview of the study of crime, criminal behavior, and the application of theory to crime prevention and offender treatment. Examines the uses and limitations of empirical research methods to the study of crime. Reviews the principal political, economic, social, cultural, psychological, biological and ideological theories of criminal behavior. Identifies the major categories of crime and discusses the relevance of crime classification. Explores the influence of criminological theory on public policy.

This course may be taken 1 time for credit.

Course classification: LDC

CJ101H Intro to Criminology w/Honors 4 credits (4 lec hrs/wk)

An interdisciplinary and introductory overview of the study of crime, criminal behavior, and the application of theory to crime prevention and offender treatment. Examines the uses and limitations of empirical research methods to the study of crime. Reviews the principal political, economic, social, cultural, psychological, biological, and ideological theories of criminal behavior. Identifies the major categories of crime and discusses the relevance of crime classification. Explores the influence of criminological theory on public policy. This course is part of the Honors Option.

This course may be taken 1 time for credit.

Course classification: CTE

CJ102B Drug Identification for Corrections 1 credit (1 lec hrs/wk)

This course is designed for probation and parole agents, corrections officers, prison guards and jail nurses and will provide information on current drug trends, clandestine paraphernalia, concealment methods, clothing and symbols of the drug world.

This course may be taken 1 time for credit.

Course classification: CTE

CJ110 Intro to Policing 4 credits (4 lec hrs/wk)

The course explores the principles and practices of policing, introduces students to the history, administration, and day-to-day work of the police in the United States. The course presents a balanced perspective, provides students with the basic framework for understanding contemporary police issues while presenting some of the myths and preconceptions commonly associated with the profession. Ethics, responsibility, liability and information on how police work interfaces with forensic science and modern technology are also presented.

This course may be taken 1 time for credit.

Course classification: CTE

CJ125 The American Court System 3 credits (3 lec hrs/wk)

This broad-based course will make the students aware of the varying court systems in the United States, the functions of each court, the types of cases they handle, and what professions play a part in each system. This course may be taken 1 time for credit.

Course classification: LDC

CJ130 Corrections an Introduction 4 credits (4 lec hrs/wk)

This course introduces the philosophy and history of corrections in the United States. Sentencing, corrections, institutions, and community corrections are addressed along with critical issues in the field.

This course may be taken 1 time for credit.

Course classification: CTE

CJ140 Intro to Forensics 3 credits (2 lec, 2 lec lab hrs/wk)

An introductory course in forensic science. Forensic science or criminalistics applies the knowledge and technology of science for the definition and enforcement of laws, and to the solution of criminal offenses. Course study will include development of the principles and techniques used to compare and identify physical evidence collected at crime scenes. The course will explore services performed by evidence collection officers or teams as well as activities of forensic scientists in the crime lab.

This course may be taken 1 time for credit.

Course classification: CTE

CJ155 ROTA 1: Legal Concepts I 3 credits (3 lec hrs/wk)

Prerequisite(s): Instructor consent

Legal Concepts I is the first module of the Reserve Officer Training Academy. The course offers a basic overview of the criminal justice system in Oregon to reserve police officers and focuses on the Oregon Criminal Code and laws police officers enforce while carrying out their responsibilities. Course content is based on material local law enforcement agency heads want their reserves to be familiar with.

This course may be taken 1 time for credit.

Course classification: CTE

CJ156 ROTA 2: Legal Concepts II 3 credits (3 lec hrs/wk)

Prerequisite(s): Instructor consent

Legal Concepts II is the second module of the Reserve Officer Training Academy. The course exposes reserve officers to Oregon constitutional law concepts and the impact for failure to follow those guidelines. The course also exposes the reserve officer to potential civil liability issues and the necessity to be aware of and follow department policy. Course content is based on material local law enforcement agency heads want their reserves to be aware of.

This course may be taken 1 time for credit.

Course classification: CTE

CJ158 ROTA 4: Patrol Procedures 3 credits (3 lec hrs/wk)

Patrol Procedures is the fourth module of the Reserve Officer Training Academy. The course focuses on procedures and practices used in carrying out law enforcement responsibilities. Topics covered include patrol and traffic enforcement procedures, hazardous materials awareness, officer safety while responding to unknown and known incidents and contemporary issues in community policing. Course content is based on Oregon Department of Public Safety Standards and Training (DPSSST) performance objectives.

This course may be taken 1 time for credit.

Course classification: CTE

CJ159 ROTA 5: Investigations 3 credits (3 lec hrs/wk)

Investigations is the fifth module of the Reserve Officer Training Academy. The module focuses primarily on aspects of preliminary investigations of crimes and introduces students to death investigations. Students are also exposed to accident investigation, investigation concepts related to controlled substances, and report writing. Course content is based on Oregon Department of Public Safety Standards and Training (DPSST) performance objectives. This course may be taken 1 time for credit.

Course classification: CTE

CJ160 ROTA 6: Skill Proficiency 3 credits (1 lec, 4 lec lab hrs/wk)

Skills Proficiency is the sixth module of the Reserve Officer Training Academy. The module focuses primarily on skills needed by police officers to carry out their responsibilities related to defensive tactics and high risk vehicle stops, and on topics related to personal health. Course content is based on Oregon Department of Public Safety Standards and Training (DPSST) performance objectives.

This course may be taken 1 time for credit.

Course classification: CTE

CJ180 Internship: Criminal Justice 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

CJ201 Juvenile Justice and Delinquency 3 credits (3 lec hrs/wk)

This course will cover the history and philosophy of juvenile justice in America and the impact of present societal reforms on the juvenile system. An array of theoretical positions will be discussed and debated (e.g. social structure theories, social process theories, social reaction theories, etc.). The influence of the family, media, peers, socioeconomic status, drugs, gang affiliation, and schools will be covered in detail. An overview of the legal framework in which the juvenile justice system operates will highlight the differences in adult and juvenile law. Study will include the known the landmark juvenile court cases and current trends impacting juvenile court. The systemic role of the police, the juvenile court and juvenile institutions will be explored. Child abuse and neglect, status offenders, and the unique needs of young people will also be examined. Students will obtain a working knowledge of the juvenile system and issue of juvenile delinquency.

This course may be taken 1 time for credit.

Course classification: CTE

CJ203 Crisis Intervention 3 credits (3 lec hrs/wk)

An examination of crisis intervention techniques for the public safety and emergency response professional, covering initial intervention, communication strategies, assessment, and referral. Includes situation-specific approaches and explores the impact of intervention on the public safety and emergency response worker.

This course may be taken 1 time for credit.

Course classification: CTE

CJ204 Cmty Policing in a Diverse Society 4 credits (4 lec hrs/wk)

An examination of popular innovations in policing and law enforcement with emphasis on community policing, broken windows policing, problem-oriented policing, pulling levers policing, hot spots policing, third-party policing, Compstat, and evidence-based policing. An analysis of current research and its applicability to policing and law enforcement will be performed in the context of a diverse society.

This course may be taken 1 time for credit.

Course classification: CTE

CJ210 Criminal Investigation of Crimes 3 credits (3 lec hrs/wk)

Students are introduced to the elements of an effective investigation; and to the equipment, technology and procedures that facilitate investigation. Crime scene responsibilities are identified such as documentation, photographing and sketching. Specific crimes against property (theft, burglary, fraud, white-collar crime, arson, cyber crime, narcotics and terrorism) are identified as well as the methods of investigating.

This course may be taken 1 time for credit.

Course classification: CTE

CJ213 Interview and Interrogation Skills 3 credits (3 lec hrs/wk)

A study of the dynamics of psychological persuasion as they are applied through the course of interviews and criminal interrogations. Examines the deliberate, refined processes and techniques of psychological persuasion with an emphasis on the practical and legal limitations.

This course may be taken 1 time for credit.

Course classification: LDC

CJ214 Criminal Investigations of Crimes 3 credits (3 lec hrs/wk)

An examination of specialized investigative issues specific to a variety of contemporary crime scenes and criminal events. Surveys the specialized investigative approaches unique to homicides and assaults, crimes against children, elder abuse, domestic violence, sex crimes and stalking.

This course may be taken 1 time for credit.

Course classification: CTE

CJ215 Criminal Justice Administration 3 credits (3 lec hrs/wk)

An overview of law enforcement administration to include operational and personal management, first-line supervision, and organizational leadership. Explores the historical development of administrative theory and practice as it relates to police operations. Examines policy and procedure formulation, planning and budgeting, personnel recruitment and selection, labor issues and liability.

This course may be taken 1 time for credit.

Course classification: LDC

CJ220 Introduction to Substantive Law 4 credits (4 lec hrs/wk)

A study of substantive criminal law. Examines the development and nature of common, constitutional, statutory and case law in America. Surveys the classification, definition, and essential elements of key crimes as well as defenses to criminal liability. Includes an overview of parties to crimes, inchoate offenses, the distinctions between criminal and civil law, and the philosophy of law as a social force. Exposes students to legal research methods and the study of case law.

This course may be taken 1 time for credit.

Course classification: LDC

CJ222 Constitutional Law 4 credits (4 lec hrs/wk)

A study of U.S. constitutional, statutory, and case law as it relates to procedural aspects of criminal law. Examines the rights of persons and the obligations of criminal justice practitioners with an emphasis on the role of the courts and constitutional case interpretation. Explores legal procedure and due process considerations related to the investigation of crime, processing of accused persons, and maintenance of order in American society, including provisions related to detention, arrest, search and seizure, interviews, admissions, use of force, right to counsel, and post conviction remedies.

This course may be taken 1 time for credit.

Course classification: LDC

CJ230 Juvenile Justice System 3 credits (3 lec hrs/wk)

A survey of the U.S. Juvenile Justice System through an examination of its structure, functions, processes, historical origins and development. Emphasizes the philosophical basis for a separate juvenile justice system. Examines the functional role of law enforcement, the courts and corrections within that system.

This course may be taken 1 time for credit.

Course classification: LDC

CJ231 Forensic Photography 2 credits (1 lec, 2 lec lab hrs/wk)

This course is designed to assist in the development of skills necessary to create and evaluate forensic photo documentation. Students will be exposed to a variety of photographic concepts and equipment. Particular emphasis is placed on the ability to evaluate a photograph for potential evidentiary value and for its accurate depiction of the object or event being photographed.

This course may be taken 1 time for credit.

Course classification: CTE

CJ232 Corrections Counseling and Casework 3 credits (3 lec hrs/wk)

A survey of correctional philosophy and approaches to behavior modification through specific interviewing and counseling techniques, interpersonal communication skills, client assessment, and programmatic treatment. Explains the role of both criminological and counseling theory to correctional supervision. Describes the role of various corrections employees in the rehabilitative process.

This course may be taken 1 time for credit.

Course classification: LDC

CJ233 Homicide Investigation 3 credits (3 lec hrs/wk)

This course presents a thorough overview of how to conduct a proper homicide investigation. Such an investigation will lead to the correct identification and successful prosecution of the person responsible for the homicide. Emphasis will be placed on necessary investigative components such as scene and evidence identification, preservation, and collection. Further emphasis will be placed on the proper identification of suspects and preparing the case for prosecution. The ultimate goal of the course will be to teach the homicide investigator how to develop the truth about what happened so the guilty party can be held accountable for the homicide.

This course may be taken 1 time for credit.

Course classification: CTE

CJ240 Police Report Writing 3 credits (3 lec hrs/wk)

Prerequisite(s): (WR115)

The study and application of the process of effective police report writing. Proper formal written communications formats with an emphasis on report writing techniques, including the latest electronic formats used by law enforcement agencies.

This course may be taken 1 time for credit.

Course classification: CTE

CJ243 Drugs and Behavior 3 credits (3 lec hrs/wk)

This course is a basic introduction to the principles of drug action on the mind and body and the relationship of substance abuse to crime and criminal justice administration. Drug metabolism and psychopharmacological research findings on legal and illicit drugs are addressed including drug effects, theories of abuse, legislation, enforcement strategies, policy options and treatment, and prevention strategies. Treatment issues and prevention models are related to diverse cultures, lifestyles, gender, age, and the needs of people with disabilities.

This course may be taken 1 time for credit.

Course classification: LDC

CJ247 Ethics in Criminal Justice 3 credits (3 lec hrs/wk)

The course will examine ethical dilemmas pertaining to the administration of criminal justice, focusing on law enforcement, the courts, corrections, research and crime policy dealing with specific ethical issues related to the criminal justice system. An introduction to ethical decision making through the perspectives of virtue ethics, formalism, and utilitarianism.

This course may be taken 1 time for credit.

Course classification: LDC

CJ280 CWE: Criminal Justice 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: LDC

Culinary Arts (CRT)

CRT2000 Introduction Professional Cooking 5 credits (2 lec, 6 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course will focus on the fundamental principles of modern cooking. Students will learn about mise en place, what happens to food when it is heated, about how food is cooked with dry cooking methods, and about rules of seasoning and flavoring. The foundation of the professional kitchen is introduced through the basics of knife skills, stock, sauce and soup preparation. Theories which explain chemistry of cooking will be emphasized so students can successfully practice them in the kitchen. Emphasis will be placed on the vocabulary of cooking, procedures, ingredients, menu terms, food quality standards and equipment use.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2001 Basic Food Preparation 6 credits (2 lec, 8 lec lab hrs/wk)

Prerequisite(s): Instructor consent

The student will focus on learning pre-preparation techniques important to professional kitchen operations - mise en place. Students will build on the principles learned in CRT2000 and move forward with moist cooking methods, the study of vegetables, starches and legumes. Also, students will be introduced to eggs, egg cookery and all breakfast fare. Coffee and tea will be discussed as well as the world of fruit salads, salad dressings and sandwiches are also introduced. Students will also be introduced to pre-preparation for set meal service and extended meal service.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2002 Intro Food and Beverage Industry 1 credit (1 lec hrs/wk)

Prerequisite(s): Instructor consent

This course offers students an overview of the food service industry; its history, structure, organization, size, economic impact, trade journals and resources with a broad review of the various food service segments and the challenges thereof. Guest speakers representing various segments of the industry will provide an introduction to career opportunities and a view of real-world activities. Students will also be introduced and instructed in the "front of the house" environment including table service and proper service practices.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2003 Baking and Pastry for Culinary Arts 6 credits (2 lec, 8 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course will cover the fundamentals of baking and pastry, including terminology, ingredients technology, equipment, recipe conversion, measurements, storage and sanitation. Students will gain experience in using various mixing methods. Techniques in yeast and quick breads, pastry, pie, cookie and dessert making and presentation will be studied. The yeast breads are lean and rich yeast doughs. Also included are laminated doughs, meringues, cakes, icing, and creams and custards.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2004 Introduction Vineyards and Beverage 2 credits (2 lec hrs/wk)

Prerequisite(s): Instructor consent

This course will present an introduction from a culinary perspective to wine and spirits produced by European and American vineyards. Students will study wine production, labeling and laws of the beverage industry. Emphasis is on developing a knowledge base suitable for assisting customers in choosing the "correct" wine for classical and contemporary cuisine. Students will also be exposed to beer making, liqueurs and spirits.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2005 Menu Planning and Design 1 credit (1 lec hrs/wk)

Prerequisite(s): Instructor consent

This course will cover the basic principles of planning and design necessary to create a variety of menus for various food service operations. Menu layout, costing, and promotional approaches will be discussed in depth. Students will be required to design and create their own restaurant concept menu.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2006 Restaurant Layout and Design 2 credits (2 lec hrs/wk)

Prerequisite(s): Instructor consent

This course will offer students an opportunity to design their own restaurant from the ground floor up based on their previous menu design project in CRT 2005. Emphasis will be on kitchen layout, dining room design, menu planning, staff allocations, exterior design, and obtaining business permits, insurance and financing. Students develop a concept proposal for presentation.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2007 Inventory Control and Purchasing 1 credit (1 lec hrs/wk)

Prerequisite(s): Instructor consent

This course will present basic principles of costing and purchasing food, beverages, equipment, contract services, and supplies. Students will learn the necessary skills for product identification, supplier selection, ordering, receiving, storing and issuing processes as they apply to purchasing and inventory controls in the food service industry.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2012 A La Carte I 6 credits (2 lec, 8 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course is the first part of a two-part course. A La Carte I focuses on the composition, structure, and basic quality factors of meats, game, poultry, finfish and shellfish. USDA requirements and guidelines will be introduced. IMPS and NAMPS classifications are discussed and some butchering techniques is practiced. Three- to four-course daily menus are designed around the aforementioned proteins, applying previously introduced moist and dry cooking methods. The students will gain competence in "a la minute" (prepare to order) methods for preparing these menus. Plate presentation approaches in the classical and contemporary styles will be included. Simulation of the restaurant environment in terms of timing of courses is practiced. A La Carte I focuses on poultry, beef, game, and veal.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2013 A La Carte II 6 credits (2 lec, 8 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course is the second part of a two-part course. A La Carte II focuses on the composition, structure, and basic quality factors of meats, game, poultry, finfish and shellfish. USDA requirements and guidelines are introduced. IMPS and NAMPS classifications are discussed and some butchering is practiced. Three- to four-course daily menus are built around the aforementioned proteins, applying previously introduced moist and dry cooking methods. The students will gain competence in "a la minute" (prepare to order) methods for preparing these menus. Plate presentation approaches in the classical and contemporary styles will be included. Simulation of restaurant environment, in terms of timing of courses, is created. A La Carte II focuses on pork, lamb, finfish and shellfish.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2015 Sanitation and Safety for Managers 3 credits (3 lec hrs/wk)

Prerequisite(s): Instructor consent

This course develops an understanding of the basic principles of sanitation and safety and enables students to apply them in the foodservice operations. It reinforces personal hygiene habits and food handling practices that protects the health of the consumer. This course is based on the Educational Foundation of the National Restaurant Association's ServSafe training and certification coursework and includes the ServSafe certification examination and standard first aid training, which meets the standard requirements of OSHA, yet exceeds with CPR (Cardiopulmonary Resuscitation). Safety in the workplace is also covered.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2016 Culinary Nutrition 3 credits (3 lec hrs/wk)

Prerequisite(s): Instructor consent

This course focuses on nutrition as it applies to food preparation, menu analysis, trends, and recipe alternatives for the culinary arts. Students will look at their own diets and learn how food affects the human body, both positively and negatively. Students will prepare nutritional menus within the context of kitchen and restaurant operation.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2017 Restaurant Management Supervision 3 credits (3 lec hrs/wk)

Prerequisite(s): Instructor consent

This course will focus on the necessary skills for effective restaurant management and supervision by preparing students to transition from the employee role to supervisory role. Students will evaluate styles of leadership and develop skills in human relations and personnel management.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2018 Culinary Arts Career Planning 1 credit (1 lec hrs/wk)

Prerequisite(s): Instructor consent

This course will focus on the job market as it pertains to the culinary and baking and pastry world. Instruction will include current industry standards necessary for success in today's culinary arts job market. Students will review career tracts and opportunities in the culinary arts industry. Interview skills and portfolio development will be included.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2024 Frozen Desserts 3 credits (6 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course will cover the origin and history of frozen desserts, as well as the various churning methods for making ice cream, gelato and sorbets. Still frozen methods will also be discussed. Students will learn to prepare a variety of ice creams, gelatos, sorbets, frozen souffles, garnite and parfaits.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2026 Dessert Menu Development 1 credit (1 lec hrs/wk)

Prerequisite(s): Instructor consent

The dessert crowns the dinner. To create a fine dessert, one has to combine the skills of a confectioner, a decorator, a painter, and architect, an ice cream maker, a sculptor and a florist. Students will learn to develop dessert menus for the food services industry using a variety of techniques to add visual appeal to plated desserts. This course will be an eleven-week project where students will work towards a goal of developing a complete dessert menu.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2027 Introduction to Sugar 1 credit (2 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course will take the student through the history of sugar, manufacturing of sugar and making and usage of casting sugar, pouring sugar, spun sugar and piped sugar. Students will also learn how to make and use marzipan for decorations, fillings and confections. Students will gain a functioning knowledge of how to make, form and present pastillage.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2028 Basic Chocolate 1 credit (2 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course will take the student through the history of chocolate, from the growing of cacao to the manufacturing of chocolate. Students will also learn how to temper chocolate and prepare for decorations, fillings and confections. Students will gain a functioning knowledge of how to make, form and present chocolate modeling paste.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2030 Bakery Design 3 credits (6 lec lab hrs/wk)

Prerequisite(s): Instructor consent

Theory and methodology behind designing and building a bakery, from location and equipment to menu options and staffing are covered. Students spend lab time designing and creating a bakery, and will bring their concept to life for one hour for the course final.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2031 Bakery and Pastry Fundamentals 6 credits (1 lec, 10 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course covers baking and pastry fundamentals, including the history, terminology, ingredients, technology, equipment, storage and sanitation in the bakeshop. Students gain experience in using various mixing, holding and baking methods as well as international techniques to create an assortment of lean yeast doughs, quick breads, donuts, crisps, cobblers, cookies, pies and tarts.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2032 Baking and Pastry Fundamentals II 7 credits (1 lec, 11 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course covers more advanced bakery techniques. Students will learn the production methods for American and European artisan breads as well as breads using natural yeast, and decorative breads using some basic sculpting techniques. European style pastries and tarts as well as a variety of international cookies will be covered. This course includes human digestion and how to create nutritional and allergy conscious options in the bakery. Recipes that are sugar free, reduced sugar, gluten free, lactose free and reduced fat baking will be covered in this course. This course may be taken 1 time for credit.

Course classification: CTE

CRT2033 Classic and Contemporary Cakes 4 credits (8 lec lab hrs/wk)

Prerequisite(s): Instructor consent

From classic genoise rolades to contemporary fondant covered topsy-turvy cakes, this course covers all aspects of cake baking and building. Students learn the basics of cake making and will develop a complete understanding of cake structure and development and how to alter formulas. A variety decorative icings, coatings and fillings are covered and several styles of cakes will be produced. Piping skills are developed and enhanced. Cakes included are the American birthday cake, French wedding cake, Jaconde covered mousse cake, torten, gateau and charlottes, and specialty/celebration cakes.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2034 Advanced Sugar and Chocolate 2 credits (4 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course takes the student to a higher level of sugar and chocolate skills such as blown sugar, sugar presentation pieces, chocolate display pieces, molded chocolates, bon bons, truffles, nougatine, crystalline and non-crystalline, and gelee based candies. Students design and execute showpieces to display cakes, candies and other confections for their capstone project. Topics include, velvetizing with chocolate, making silicon chocolate and sugar molds, building sugar and chocolate showpieces to include blown sugar, molded chocolate and other advanced sugar products.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2037 Plated Desserts 6 credits (3 lec, 6 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This class will focus on plated restaurant-style desserts to include hot desserts such as cobblers, buckles, custards, soufflés and bread pudding. Cold and frozen desserts will include sorbets, gelatos, espuma, semifreddos, and bombes. Individual cakes, tortes and tartlets will also be presented. Intermezzos course and pallet refreshers will include granita and the cheese course will introduce the student to appropriate after dinner cheeses with accompaniments to include crackers, candied nuts and gastriques. Plating design and development with a focus on fine dining along with mingardaïse concepts will also be included in this course. Dessert wines and spirits will also be incorporated into this class.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2038 Applied Visual Principles 1 credit (1 lec hrs/wk)

Prerequisite(s): Instructor consent

Foundation in visual perception and composition as applied to culinary arts and baking and pastry arts. Study of visual principles to understand how to present and create artistically pleasing dishes/foods. The seven principles presented are contrast, emphasis, balance, unity, pattern, movement, and rhythm.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2039 Prof Pres for the Culinary Wrkfrc 3 credits (3 lec hrs/wk)

Prerequisite(s): Instructor consent

Focuses on effective professional workplace presentations that connect with audiences, direct and hold attention, and promote understanding utilizing multiple visual and oral skills of rhetoric.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2040 Culinary Arts for Baking and Pastry 6 credits (2 lec, 8 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course is designed specifically for students specializing in baking and pastry arts. Students are introduced to the philosophy of the hospitality industry through its history, growth and development up to present trends. Students are instructed in knife skills, hand tool and equipment operation, emphasizing safety. Basic stock, soup and sauce making are included. Cooking techniques and methodology are demonstrated and practiced through the use of herbs and spices, meats, seafood and poultry. Also covered are fruits, vegetables, starches, salads and basic dressings, sandwiches and breakfast products.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2042 Wedding Cakes 3 credits (3 lec, 4 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course will focus on the successful execution of modern day wedding cakes. Students will learn a brief history, but focus mainly on today's styles and trends. Set-up and marketing strategies will be covered in this course in addition to the construction of wedding cakes.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2045 Retail Baking 7 credits (4 lec, 6 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course will focus on the development of a "dream" retail bakery concept to include research and development of products, production of an assortment of baked goods to include savory as well as sweet items, breakfast pastries to include Viennoiserie, tea sandwiches and other savory and sweet items. Students will be responsible for running a model bakery. Students will be introduced to beverage service including tea, coffee, chocolate, and other hot and cold beverages. Wine, beer and spirits will also be introduced. Students will develop the skills to prepare hot beverages as well as an assortment of sweet and savory accompaniments. Students will also learn basic service skills to include bakery counter service, buffets and banquets.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2050 Regional and International Cuisine 6 credits (2 lec, 8 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course will focus on various International and American regional cuisines. Students will develop a working understanding of local products, traditional ethnic recipes and kitchen tools indigenous to various regional cuisines. The course will include the cuisines from national and international regions including New England, Louisiana, New Mexico, Florida, France, Italy and Scandinavia. Also included are the cuisines of China, Japan, Vietnam, Thailand, Greece, Spain and Portugal, Germany, Morocco, India, Mexico, The American Southwest, New Orleans, Cajun and Creole, and the Midwest Heartland.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2060 Garde Manger 8 credits (3 lec, 10 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course will cover the preparation and artistic presentation of cold cuisine. While using garde manger small tools, students will develop skills in the fundamentals of preparing hot and cold appetizers and hors d'oeuvres, canapes, lunch and dinner salads, dressings, terrines, galantines, pates and charcuterie, vegetable and fruit carving, garnishes, hot and cold sandwiches, and food decoration. Basics of cold food pantry organization and sanitizing techniques will be studied. Students will be introduced to the artistic production and presentation of buffet arrangements.

This course may be taken 1 time for credit.

Course classification: CTE

CRT2279 Orient to Work Exp/Cul Extn 1 credit (1 lec hrs/wk)

Prerequisite(s): Instructor consent

This course offers students orientation and advising for workplace experience in a variety of supervised settings that are applicable to the development of a student as a professional in the food service industry. Students will set-up procedures for the opportunity to work in different areas under the direction of chefs and food/beverage managers. Externships will be progressive training experiences structured to fit the background and career goals of each individual student.

This course may be taken 1 time for credit.

Course classification: CTE

CRT280B1 CWE: Baking and Pastry Arts 1-18 credits (18 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

This course offers students workplace experience in a variety of supervised settings that are applicable to the development of a student as a professional in the food service industry. Students will have the opportunity to work in different areas under the direction of chefs and food/beverage managers. Externships will be progressive training experiences structured to fit the background and career goals of each individual student.

This course may be taken 6 times for credit.

Course classification: CTE

CRT280B2 CWE: Baking and Pastry Arts 12 credits (36 lab hrs/wk)

Prerequisite(s): Instructor consent

This course offers students workplace experience in a variety of supervised settings that are applicable to the development of a student as a professional in the food service industry. Students will have the opportunity to work in different areas under the direction of chefs and food/beverage managers. Externships will be progressive training experiences structured to fit the background and career goals of each individual student.

This course may be taken 1 time for credit.

Course classification: CTE

CRT280C1 CWE: Culinary Arts 6 credits (18 lab hrs/wk)

Prerequisite(s): Instructor consent

This course offers students workplace experience in a variety of supervised settings that are applicable to the development of a student as a professional in the food service industry. Students will have the opportunity to work in different areas under the direction of chefs and food/beverage managers. Externships will be progressive training experiences structured to fit the background and career goals of each individual student.

This course may be taken 1 time for credit.

Course classification: CTE

CRT280C2 CWE: Culinary Arts 12 credits (36 lab hrs/wk)

Prerequisite(s): Instructor consent

This course offers students workplace experience in a variety of supervised settings that are applicable to the development of a student as a professional in the food service industry. Students will have the opportunity to work in different areas under the direction of chefs and food/beverage managers. Externships will be progressive training experiences structured to fit the background and career goals of each individual student.

This course may be taken 1 time for credit.

Course classification: CTE

CRT3025 Culinary Safety & Sanitation 3 credits (3 lec hrs/wk)

Prerequisite(s): Instructor consent

This online course provides information necessary to inform, strengthen and update hospitality and tourism industry employees on current practices of sanitation and safety. The course is based on the Educational Foundation of the National Restaurant Association's ServSafe training and certification course work. This course will also discuss operational topics of current concern for the industry. Students will be introduced to the Hazards Analysis Critical Control Point System (HACCP) system following the flow of foods from receiving, storing, through final service of the food. Topics will include: Cross contamination, storage and refrigeration food contaminations, hazardous materials, safety and professionalism. Basic food preparation will be discussed including the importance of pre-preparation dietary needs reheating of cooked foods. Recipe ideas and cooking techniques will also be discussed.

This course may be taken 1 time for credit.

Course classification: CTE

CRT9030 Food Safety for Mngr & Chef 1 credit (1 lec hrs/wk)

Prerequisite(s): Instructor consent

This course provides certification renewal for chefs already in the workplace. Hazard Analysis Critical Control Point system (HACCP) is a system of monitoring food safety aimed at prevention. The course is focused on hazards intrinsic to food production.

This course may be taken 9 times for credit.

Course classification: CTE

CRT9032 Intro Food Svc Mgmt 3 credits (3 lec hrs/wk)

Prerequisite(s): Instructor consent

This course will focus on leadership in the culinary field. Patterns of communication, leadership skills, creating a positive work environment, and legal issues in supervision will be covered.

This course may be taken 9 times for credit.

Course classification: CTE

CRT9035 Vegetarian Concepts 1 credit (1 lec hrs/wk)

Prerequisite(s): Instructor consent

This course provides a certification renewal for chefs who serve vegetarian meals within their establishment. This course reviews reasons why people choose to be vegetarian and describes the various types of vegetarian diets. The course also covers health benefits, risks, current nutritional guidelines, and practical menu suggestions..

This course may be taken 9 times for credit.

Course classification: CTE

CRT9037 Food Safety and Sanitation 1 credit (1 lec hrs/wk)

Prerequisite(s): Instructor consent

This course presents an update of sanitation laws and practices affecting the modern food service industry. Topics include key issues such as: personal hygiene, controlling contamination, cleaning and sanitation of work spaces and equipment, sanitation self-inspection, kitchen safety and HACCP (Hazard Analysis Critical Control Points).

This course may be taken 1 time for credit.

Course classification: CTE

CRT9039 Nutrition for Food Service Prof 1 credit (1 lec hrs/wk)

Prerequisite(s): Instructor consent

This course has been developed to satisfy the requirements of the American Culinary Federation (ACF). Upon completion of this course, students have met the guidelines for the nutrition portion for the three mandatory courses needed to maintain ACF Chef Certification status.

This course may be taken 1 time for credit.

Course classification: CTE

CRT9041 Supervisory Review 1 credit (1 lec hrs/wk)

Prerequisite(s): Instructor consent

This course will provide a practical hands-on approach to understanding the management and supervision process in a modern foodservice establishment. The course will provide tips and insights into properly matching the right applicant with the right job, providing quality orientation and training for all new employees, providing feedback and coaching employee performance positively utilizing proper leadership styles which allow employees to self-motivate and deliver high-quality food and service to restaurant guests.

This course may be taken 13 times for credit.

Course classification: CTE

Dental (DEN)

DEN101 Dental Assisting I 4 credits (3 lec, 3 lab hrs/wk)

Dental Assisting I introduces the basic concepts of preventative dentistry and the dental assistant's role including dental terminology, infection control, basic microbiology, pharmacology, nutrition, oral and facial anatomy, tooth numbering, names of tooth surfaces, dental charting and oral assessment, the use of dental instruments and the various procedures used by dentists, dental asepsis techniques, patient education, legal and ethical issues, the collection of clinical data, and patient psychology as it relates to anxiety and pain management.

Students are introduced to the members of a dental team, current professional trends and the various procedures within a dental office, including receptionist duties, bookkeeping, and chairside dental assisting. Lab provides hands-on clinical instruction of the lecture material presented and the material covered in this course.

This course may be taken 1 time for credit.

Course classification: CTE

DEN102 Infection Control 2 credits (2 lec hrs/wk)

Prerequisite(s): (MTH60)

Corequisite(s): (DEN103)

This class prepares the student for DANB's (Dental Assisting National Board) ICE (Infection Control Exam). The class is designed to prepare students in: Patient and dental healthcare worker education, standard/universal precautions and prevention of disease transmission, prevention of cross contamination, maintaining aseptic conditions, performing sterilization procedures, environmental asepsis, and occupational safety.

This course may be taken 1 time for credit.

Course classification: CTE

DEN103 Introduction to Dental Assisting 1 credit (1 lec hrs/wk)

Prerequisite(s): (MTH60)

Corequisite(s): (DEN102)

This course provides an extensive overview of office responsibilities, and work ethics. It prepares students for the challenge of their multiple roles in the dental office including: Guest, intern, student-worker, administrative assistant, chairside assistant and housekeeping worker. Students will review and discuss the expectations and protocols for their upcoming practicum classes including, but not limited to, the stages of an internship, the weekly required paperwork, work ethics, industry safety standards and strategies for meeting their learning objectives.

This course may be taken 1 time for credit.

Course classification: CTE

DEN104 Dental & Medical Emergency Mngmt 2 credits (2 lec hrs/wk)

Prerequisite(s): (DEN101 and DEN102)

This class covers routine preparedness for dental team members; the dental assistant's role in emergency care; managing a dental office emergency kit; foreign body airway obstruction; the causes, signs, and treatment of medical emergencies; and specific dental emergencies.

This course is designed to satisfy the American Dental Association's requirement that certified dental assistants have in-depth education in managing dental and medical emergencies.

This course may be taken 1 time for credit.

Course classification: CTE

DEN105 Dental Materials 2 credits (2 lec hrs/wk)

Prerequisite(s): (DEN101 and DEN102)

This class covers impression materials, model and die materials, fabrication of dental trays, preventive dental materials, esthetic and restorative dental materials, amalgam, dental cements, waxes, and temporary restorative materials. The class is designed to satisfy the American Dental Association's requirement that certified dental assistants have in-depth education in dental materials.

This course may be taken 1 time for credit.

Course classification: CTE

DEN106 Dental Administration 2 credits (2 lec hrs/wk)

Prerequisite(s): (AH111 and DEN101 and DEN103)

Dental Administration covers office management and administrative skills in a dental setting. Class content includes communication skills, written correspondence, patient relations, team communications, patient clinical records, information management, patient scheduling and recall systems, dental insurance processing, inventory management, financial arrangements, collection procedures, accounts receivable and payable, and employment strategies.

This course may be taken 1 time for credit.

Course classification: CTE

DEN107 Practicum in Dental Assisting I 4 credits (12 lab hrs/wk)

Prerequisite(s): (DEN101 and DEN102 and DEN103)

Corequisite(s): (DEN104 and DEN106 and DEN108)

This course provides students with hands-on clinical experience. Students work an average of 13-15 hours per week in a host site as part of the dental team. Student placement duties will be assigned according to the student's skill level and the work needs of the host site.

This course may be taken 1 time for credit.

Course classification: CTE

DEN108 Legal & Ethical Issues in Dentistry 2 credits (2 lec hrs/wk)

Prerequisite(s): (DEN101 and DEN102 and DEN103)

This class exposes the student to variety of legal and ethical dilemmas, helping students become more prudent and confident dental professionals. Classroom content includes: The legal system, the legal rights that define relationships between individuals, quality assurance, office protocols and patient records, and legal issues that affect employment. This course is designed to satisfy the American Dental Association's requirement that certified dental assistants have training in dental law and ethics.

This course may be taken 1 time for credit.

Course classification: CTE

DEN109 Dental Assisting II 4 credits (3 lec, 3 lab hrs/wk)

Prerequisite(s): (DEN101 and DEN102 and DEN103)

This course builds on the material learned in Dental Assisting I, specifically reinforcing oral and facial anatomy, tooth numbering, names of tooth surfaces, dental charting and oral assessment. The course will provide an in-depth view of specific, practical dental assisting skills in dental specialties. Topics covered in class will include the major dental specialties: oral surgery, endodontics, periodontics, prosthodontics, and orthodontics. Anatomical content covered will include the muscles, nerves, glands, and bones of the head and neck; the structures and tissues that make-up the oral cavity; and the development, tissues, morphology, and functions of the teeth. The class is designed to satisfy the American Dental Association's requirement that certified dental assistants have in-depth education in the anatomy of the head, skull, and oral cavity; and tooth morphology. Lab provides hands-on clinical instruction of the lecture material presented.

This course may be taken 1 time for credit.

Course classification: CTE

DEN110 Dental Radiology 4 credits (3 lec, 3 lab hrs/wk)

Prerequisite(s): Instructor consent

Corequisite(s): (DEN109)

This class prepares the student for the Dental Assisting National Board (DANB) Radiation Health & Safety (RHS) exam - one of two exams required for the Certificate in Radiologic Proficiency from the State of Oregon, which is required to legally expose radiographs. To become fully certified, students must also pass the Oregon Clinical Radiologic Proficiency Exam administered by DANB. This class is designed to prepare students in the following sections: Radiation safety for the patient, radiation safety for the operator, exposing and evaluating radiographs, processing films, mounting and labeling radiographs, and techniques used in performing a full mouth radiographic exam. Lab provides hands-on clinical instruction of the lecture material presented. Students demonstrate the capabilities and understanding through clinical evaluation in a lab setting.

This course may be taken 1 time for credit.

Course classification: CTE

DEN111 Practicum in Dental Assisting II 4 credits (12 lab hrs/wk)

Prerequisite(s): (DEN107)

Practicum in Dental Assisting II provides student hands-on clinical experience. Students work an average of 13-15 hours per week in a host site as part of the dental team. Student placement duties will be assigned according to the student's skill level and the work needs of the host site.

This course may be taken 1 time for credit.

Course classification: CTE

DEN112 Chairside Assisting 2 credits (2 lec hrs/wk)

Prerequisite(s): (DEN110) or (DEN111)

Corequisite(s): (DEN111)

This class prepares the student for the National Entry Level Dental Assisting (NELDA) exam administered by the Dental Assisting National Board. The class is designed to prepare students in the following sections: Collection and recording of clinical data; chairside dental procedures; oral anatomy; chairside dental materials (preparation, manipulation, application); lab materials and procedures; patient education and oral health management; infection control procedures; occupational safety; legal issues; prevention and management of emergencies; office management procedures, anatomy and physiology related to dentistry.

This course may be taken 1 time for credit.

Course classification: CTE

DEN113 Expanded Functions Dental Assistant 2 credits (4 lec lab hrs/wk)

Prerequisite(s): (DEN111)

This class prepares the student for the Oregon Board of Dentistry written exam in expanded functions for the chairside dental assistant (EFDA).

Expanded functions are determined by the Oregon Board of Dentistry and may change without prior notice. The exam is administered by the Dental Assisting National Board. Students will still need a NELDA certificate before becoming EFDA certified. (General Dental Assisting EFDA Certification: Pathway III).

The class is designed to prepare students in the following sections: Placing matrix bands; polishing amalgam fillings; cement removal; taking impressions; coronal polishing; fabricating temporary crowns and tooth whitening. Lab provides hands-on clinical instruction of the lecture material presented and material covered in the course. Students demonstrate their capabilities and understanding through clinical evaluation in a lab setting.

This course may be taken 1 time for credit.

Course classification: CTE

DEN180 Internship: Dental Assisting 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore the variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

DEN280 CWE: Dental Assisting 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

Digital Design (DD)

DD160 Digital Design Orientation 3 credits (3 lec hrs/wk)

This course introduces students to the digital design field and employment opportunities. Students will be introduced to digital design core concepts and terminology, specializations, workplace environments, and careers, as well as societal and ethical issues surrounding digital design. Course introduces students to tools, and strategies for job exploration and professional portfolio development. The course will prepare students for reflective learning and assist them in aligning their personal and career goals with the appropriate course of study.

This course may be taken 1 time for credit.

Course classification: CTE

DD180 Internship: Digital Design 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: CTE

DD235DW Digital Design App: Dreamweaver 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS125DW)

This course offers students the opportunity to apply contemporary industry software and design principles to the planning, design, and development of digital design projects and to refine their software skills in preparation of an associated industry certification exam. Students independently research and employ advanced solutions to meet design project challenges.

This course may be taken 1 time for credit.

Course classification: CTE

DD235FL Digital Design App: Flash 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS125FL)

This course offers students the opportunity to apply contemporary Adobe Flash software and design principles to the planning, design, and development of digital design projects and to refine their software skills in preparation of an associated industry certification exam. Students independently research and employ advanced solutions to meet design project challenges.

This course may be taken 1 time for credit.

Course classification: CTE

DD235ID Digital Design App: Indesign 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS125ID)

This course offers students the opportunity to apply contemporary industry software and design principles to the planning, design, and development of digital design projects and to refine their software skills in preparation of an associated industry certification exam. Students independently research and employ advanced solutions to meet design project challenges.

This course may be taken 1 time for credit.

Course classification: CTE

DD235IL Digital Design App: Illustrator 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS125IL)

This course offers students the opportunity to apply contemporary industry software and design principles to the planning, design, and development of digital design projects and to refine their software skills in preparation of an associated industry certification exam. Students independently research and employ advanced solutions to meet design project challenges.

This course may be taken 1 time for credit.

Course classification: CTE

DD235MA Digital Design App: Maya 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS125MA)

This course offers students the opportunity to apply contemporary industry software and design principles to the planning, design, and development of digital design projects and to refine their software skills in preparation of an associated industry certification exam. Students independently research and employ advanced solutions to meet design project challenges.

This course may be taken 1 time for credit.

Course classification: CTE

DD235PH Digital Design App: Photoshop 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS125PH)

This course offers students the opportunity to apply contemporary industry software and design principles to the planning, design, and development of digital design projects and to refine their software skills in preparation of an associated industry certification exam. Students independently research and employ advanced solutions to meet design project challenges.

This course may be taken 1 time for credit.

Course classification: CTE

DD235PR Digital Design App: Premiere 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS125PR)

This course offers students the opportunity to apply contemporary industry software and design principles to the planning, design, and development of digital design projects and to refine their software skills in preparation of an associated industry certification exam. Students independently research and employ advanced solutions to meet design project challenges.

This course may be taken 1 time for credit.

Course classification: CTE

DD235TD Digital Design App: 3D Max 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS125TD)

This course offers students the opportunity to apply contemporary industry software and design principles to the planning, design, and development of digital design projects and to refine their software skills in preparation of an associated industry certification exam. Students independently research and employ advanced solutions to meet design project challenges.

This course may be taken 1 time for credit.

Course classification: CTE

DD250 Projects in Digital Media 3 credits (2 lec, 3 lab hrs/wk)

This course explores contemporary digital design topics in an advanced studio environment. Through the creation of large-scale projects, students will investigate the design process, including: Analysis, research, planning, designing, building, testing, and publishing work. Students will have the opportunity to develop portfolio-quality projects in their chosen discipline and gain further insight into industry standards and techniques.

This course may be taken 1 time for credit.

Course classification: LDC

DD280 CWE: Digital Design 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow student to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

DD297 Digital Design Capstone 3 credits (3 lec hrs/wk)

This course showcases the student's achievements in completing their program. Throughout this project-based course the student will be guided towards integrating their learning using a variety of activities in completing a real world project. An integrated approach is used to combine project design components relative to job goals and capstone activities to assist in entering the job market with an array of job and technical analysis and design skills. Students will also compile a professional portfolio.

This course may be taken 1 time for credit.

Course classification: CTE

Drafting (DRFT)

DRFT100 Computer Assisted Drafting Survey 3 credits (3 lec hrs/wk)

Introduction to computer assisted drafting (CAD) software and its typical uses in creating 2-D drawings. Instruction will include system requirements, menu structure, drawing setup, drawing aids, basic drawing, editing, display and dimensioning. Also using blocks, graphic patterns and printing commands. AutoCAD software is utilized to produce 2-D schematic and mechanical drawings.

This course may be taken 1 time for credit.

Course classification: CTE

DRFT105 Blueprint Reading 3 credits (3 lec hrs/wk)

Presents instruction and skill development in blueprint reading and interpretation. Emphasis is placed on fundamentals of blueprint reading including understanding basic lines, views, dimensions, tolerances, symbols, machine call-outs, and notations. Emphasis is on blueprints as used in the welding trades with considerable time learning how to properly interpret American Welding Society (AWS) welding symbols.

This course may be taken 1 time for credit.

Course classification: CTE

DRFT110 Computer Assisted Drafting I 3 credits (3 lec hrs/wk)

Introduction to computer-aided drafting (CAD) software and the hardware components comprising a CAD station. Drawing set-up, drawing aides, basic drawing, editing and display commands are used to create 2-D schematic and mechanical drawings.

This course may be taken 1 time for credit.

Course classification: CTE

DRFT111 Computer Assisted Drafting II 3 credits (3 lec hrs/wk)

Prerequisite(s): (DRFT100) or (DRFT110)

Introduces advanced drawing and editing commands, concept of polylines & splines, obtaining information from the computer, basic and advanced dimensioning and dimension editing, use of tolerances and limits. Producing section views and graphic patterns, blocks for multiple use, multiview layout external references and plotting.

This course may be taken 1 time for credit.

Course classification: CTE

DRFT112 Computer Assisted Drafting III 3 credits (3 lec hrs/wk)

Covers the use of the computer to create Solid Models. Solid modeling software will be utilized to produce solid models with mass properties.

Use of the solid models to produce the associative 2-D drawings, assemblies of several parts, motion associated with assemblies, and presentation files will be covered.

This course may be taken 1 time for credit.

Course classification: CTE

DRFT180 Internship: Drafting 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore the variety of workplaces in which to apply that knowledge

This course may be taken 12 times for credit.

Course classification: LDC

DRFT280 CWE: Drafting 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: LDC

Early Childhood Education (ECE)

ECE102 Theory and Practicum II 3 credits (1 lec, 6 lab hrs/wk)

Prerequisite(s): (ECE150 and ECE151 and ECE209)

Second in a sequence that offers a weekly seminar with a supervised preschool practicum experience for future early childhood educators. (ECE209 is first in the sequence.) The various roles of the early childhood educator; observation/assessment; planning, implementing and assisting with various daily activities; and guidance techniques are included. Cognitive, language and physical development are emphasized. This course may be taken 1 time for credit.

Course classification: CTE

ECE150 Introduction and Observation ECE 3 credits (3 lec hrs/wk)

A beginning course focusing on the theoretical foundations, history and basic concepts of early childhood education. The value and usage of objective observations as a teaching tool are emphasized. This course focuses on an introduction to the education of infant-toddler, preschoolers, and children in Kindergarten through third grade.

This course may be taken 1 time for credit.

Course classification: CTE

ECE151 Guidance and Classroom Management 3 credits (3 lec hrs/wk)

This introductory course introduces students to the principles of positive guidance. Emphasizes the role of the teacher and direct and indirect techniques for individual and group guidance and management. Topics include observing children, managing behavior, building prosocial behaviors and helping children develop positively in the social and emotional domains.

This course may be taken 1 time for credit.

Course classification: LDC

ECE152 Creative Activities in ECE 3 credits (3 lec hrs/wk)

A curriculum course focusing on understanding and implementing a development approach to creative activities as well as discussion on presentation and methods of evaluation. Specifically, this course teaches students how to develop art, math, science, music and movement activities and curriculum. Emphasis is on integrating curriculum across the teaching disciplines.

This course may be taken 1 time for credit.

Course classification: LDC

ECE154 Children's Language and Lit Dev 3 credits (3 lec hrs/wk)

This course gives the student an in-depth experience of studying and observing how children develop emerging literacy skills. Quality children's literature, a rationale for the purpose of such literature, ways to implement its use, and ways to evaluate its appropriateness for young children is also discussed.

This course may be taken 1 time for credit.

Course classification: LDC

ECE161 Infant and Toddler Practicum I 3 credits (1 lec, 6 lab hrs/wk)

This "hands-on" experience focuses on developing understandings of the developmental needs of the very young and the importance of providing appropriate stimulating environments with a focus on the teacher/caregiver as a component of the environment and how care and play are utilized to create quality learning environments.

This course may be taken 0 times for credit.

Course classification: CTE

ECE162 Infant and Toddler Practicum II 3 credits (1 lec, 6 lab hrs/wk)

This theoretical and "hands-on" Practicum II experience reinforces the student's understanding of the developmental needs of the very young and the importance of providing appropriate stimulating environments. Coursework focuses on developing foundational knowledge of high quality developmentally appropriate practice, observation/assessment and working in positive partnerships with parents.

This course may be taken 0 times for credit.

Course classification: CTE

ECE163 Preschool Practicum/Environments 3 credits (1 lec, 6 lab hrs/wk)

Prerequisite(s): (ECE102 and ECE209)

A preschool practicum experience designed to assist students in gaining experience working with young children in a laboratory preschool setting. Experiences in developing skills in establishing learning environments, observation/assessment, planning, implementing and evaluating curriculum, and materials appropriate for the young child are included.

This course may be taken 1 time for credit.

Course classification: LDC

ECE170 Health and Safety Early Childhood 2 credits (2 lec hrs/wk)

Corequisite(s): (HDFS9284)

This course covers health/safety practices recommended for the early childhood field and includes information on common diseases and health problems. Students will learn how to teach health and safety to children in developmentally appropriate ways. First Aid and CPR Certification is required to pass this course.

This course may be taken 1 time for credit.

Course classification: LDC

ECE180 Internship: Early Childhood Ed 1-9 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to explore early childhood education in workplace environments and career options.

This course may be taken 9 times for credit.

Course classification: LDC

ECE180HV Internship: ECE Home Visitor 1-3 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore early childhood education home visiting workplace environments and career options.

This course may be taken 9 times for credit.

Course classification: CTE

ECE209 Theory and Practicum I 3 credits (1 lec, 6 lab hrs/wk)

Prerequisite(s): (ECE150 and ECE151)

This course offers a weekly seminar with a supervised practicum experience for future early childhood educators. The various roles of early childhood educators, assisting with daily activities in a preschool program, observation/assessment, and guidance techniques are included in the course curriculum. This course focuses on children's social and emotional development.

This course may be taken 1 time for credit.

Course classification: CTE

ECE220 Teaching Outdoor Education 2 credits (2 lec hrs/wk)

This course focuses on the unique characteristics of teaching science to children- toddlers through elementary school ages- using the outdoors as the classroom. Theory and best practice are studied. Emphasis is on inquiry-based curriculum. Course delivery is Hybrid; face-to-face class time as well as online segments.

This course may be taken 1 time for credit.

Course classification: CTE

ECE240 Lesson and Curriculum Planning 3 credits (3 lec hrs/wk)

This course includes the information and tools needed to develop effective curriculum for activities in early childhood education classrooms. A focus on the whole child's needs, developmentally appropriate practice, play and multiple intelligences form the foundation of this course.

This course may be taken 1 time for credit.

Course classification: CTE

ECE261 Student Teaching I Early Child Ed 6 credits (2 lec, 12 lab hrs/wk)

Prerequisite(s): (ECE163)

A supervised teaching experience for students working with young children in an appropriate setting. Continued development of knowledge and skills in curriculum planning, observation/assessment, implementation of curriculum, and working with children and families are included.

This course may be taken 1 time for credit.

Course classification: CTE

ECE262 Student Teaching II Early Child Ed 6 credits (2 lec, 12 lab hrs/wk)

Prerequisite(s): (ECE163)

A continuation of supervised teaching experience for students working with young children in an appropriate setting. Continued development of knowledge and skills in curriculum planning, observation/assessment, implementation of curriculum, and working with children and families are included, along with a strong focus on higher level guidance techniques.

This course may be taken 1 time for credit.

Course classification: CTE

ECE280 CWE: Early Childhood Ed 1-9 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to explore early childhood education in workplace environments and career options

This course may be taken 9 times for credit.

Course classification: LDC

ECE280HV CWE: ECE Home Visitor 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow student to explore early childhood education home visiting workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

Economics (ECON)

ECON180 Internship: Economics 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

ECON201 Microeconomics 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH60) or (MTH65) or (MTH82) or (MTH95) or (MTH98)

Analyzes the market system, with attention given to a role of households, firms, and government in determining wages/prices and the allocation of product resources.

This course may be taken 1 time for credit.

Course classification: LDC

ECON202 Macroeconomics 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH60) or (MTH65) or (MTH82) or (MTH95) or (MTH98)

Analyzes the national economy as a whole, with attention given to determining national income, business cycles, economic growth, fiscal and monetary policy and international trade.

This course may be taken 1 time for credit.

Course classification: LDC

ECON280 CWE: Economics 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

Education (ED)

ED121 Leadership Development 3 credits (3 lec hrs/wk)

The course is designed to provide a basic understanding of leadership and group dynamics theory and to assist the student in developing a personal philosophy of leadership, an awareness of the moral and ethical responsibilities of leadership, and an awareness of one's own style of leadership. The course will integrate leadership models and theories with current leadership practices within a multicultural context.

This course may be taken 1 time for credit.

Course classification: LDC

ED122 Introduction Residence Life 1 credit (1 lec hrs/wk)

Course offered to students as an introduction to residence life, reviewing foundational residence life research, examining theoretical frameworks in community, group, and student development, developing practical skills, and orienting students to student housing. Given the foundational nature of the course, it will focus primarily on raising student awareness and basic skill development. The topics of the course will provide a collective understanding of the philosophical underpinnings of our work (why we do what we do) and the basis for future training.

This course may be taken 1 time for credit.

Course classification: LDC

ED134 Children Who are Dual Lang Learners 2 credits (2 lec hrs/wk)

This curriculum course focuses on the unique characteristics of teaching young children who are Dual Language Learners (DLL). Theory and best practices are studied. Emphasis is on developing curriculum that works and strategies to help this group of children thrive in classroom settings. Course delivery offers two options: Hybrid (face-to-face class time as well as online segments) or fully online.

This course may be taken 1 time for credit.

Course classification: CTE

ED135 Teaching Math to Young Children 3 credits (3 lec hrs/wk)

Young children live in a world full of mathematics! This curriculum course focuses on the pre-math concepts and early math concepts important for young children (pre-kindergarten through second grade) to grasp so they can be successful in math throughout their lives. Positive approaches to the subject of mathematics will be emphasized.

This course may be taken 1 time for credit.

Course classification: LDC

ED136 Tutor Certification 1 credit (1 lec hrs/wk)

Prerequisite(s): Instructor consent

The purpose of this course is to provide an opportunity for students to learn and adopt methods that promote their success as tutors. Curriculum is guided by College Reading & Learning Association (CRLA) standards. Students completing this course will be CRLA Level I internationally certified tutors.

This course may be taken 1 time for credit.

Course classification: LDC

ED137 Tutor Certification II 1 credit (1 lec hrs/wk)

Prerequisite(s): Instructor consent

The purpose of this course is to provide an opportunity for students to learn and adopt methods that promote their success as tutors. Curriculum is guided by College Reading & Learning Association (CRLA) standards. Students completing this course will be CRLA Level II internationally certified tutors.

This course may be taken 1 time for credit.

Course classification: LDC

ED138 Tutor Certification III 1 credit (1 lec hrs/wk)

Prerequisite(s): Instructor consent

The purpose of this course is to provide an opportunity for students to learn and adopt methods that promote their success as tutors. Curriculum is guided by College Reading & Learning Association (CRLA) standards. Students completing this course will be CRLA Level III internationally certified tutors.

This course may be taken 1 time for credit.

Course classification: LDC

ED169 Overview of Student Special Needs 3 credits (3 lec hrs/wk)

An introductory course covering special needs and medical conditions that teachers must be able to recognize and understand in order to plan, serve, and teach students effectively. Focuses on inclusion strategies and activities that enable educators to successfully provide an optimal educational environment for all students, including those with diverse abilities.

This course may be taken 1 time for credit.

Course classification: LDC

ED169A Students w/Special Needs A 1 credit (1 lec hrs/wk)

First one-credit module of ED*169 - An introductory course covering categories of special needs and medical conditions that educators must be able to recognize and understand in order to plan, serve, and teach students effectively. Focuses on inclusion strategies and activities that enable educators to successfully provide an optimal educational environment for all students, including those with diverse abilities.

This course may be taken 1 time for credit.

Course classification: LDC

ED169B Students w/Special Needs B 1 credit (1 lec hrs/wk)

Second one-credit module of ED*169 - An introductory course covering categories of special needs and medical conditions that educators must be able to recognize and understand in order to plan, serve, and teach students effectively. Focuses on inclusion strategies and activities that enable educators to successfully provide an optimal educational environment for all students, including those with diverse abilities.

This course may be taken 1 time for credit.

Course classification: LDC

ED169C Students w/Special Needs C 1 credit (1 lec hrs/wk)

Third one-credit module of ED*169 - An introductory course covering categories of special needs and medical conditions that educators must be able to recognize and understand in order to plan, serve, and teach students effectively. Focuses on inclusion strategies and activities that enable educators to successfully provide an optimal educational environment for all students, including those with diverse abilities.

This course may be taken 1 time for credit.

Course classification: LDC

ED180 Internship: Education & Tutoring 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

ED200 Introduction to Education 3 credits (3 lec hrs/wk)

This course introduces students to the historical, philosophical, and contemporary foundations of the American educational system. It fosters an understanding of the teaching and learning processes, as well as the legal, financial and ethical issues involved in today's schools. This course analyzes current trends and issues in education, and provides students with a framework to make decisions about entering into the teaching field. Through participation in this course, each student will evaluate her/his commitment to becoming a professional practitioner, prepared to be a reflective teacher who will be able to make informed decisions to improve and enhance the environment for children and youth.

This course may be taken 1 time for credit.

Course classification: LDC

ED201 Music Education for Elementary Ed 3 credits (3 lec hrs/wk)

This course covers historical perspectives, elements of music, and effective practices in music education for the elementary classroom teacher. Explores the role and value of music in child development and learning. Multicultural perspectives are used to explore music making, music history, music appreciation, and music performance for elementary school children. Students will explore integrating music with the core curriculum.

This course may be taken 1 time for credit.

Course classification: LDC

ED202 Art Education for Elementary Ed 3 credits (3 lec hrs/wk)

This course covers historical perspectives, critical theories, and effective practices in art education for the elementary classroom teacher. It explores the role and value of art and creativity in child development and learning. Multicultural perspectives are used to explore artmaking, art history, aesthetics, art appreciation, and art performance for children ages 5 - 12. Students will explore integrating art with the core curriculum. Using art as an assessment tool will be discussed.

This course may be taken 1 time for credit.

Course classification: LDC

ED258 Multicultural Education 3 credits (3 lec hrs/wk)

This course introduces anti-bias/multicultural approaches to teaching with a focus on how to creatively develop relationships and learning environments that value diversity and help children respect each other as individuals. In this course, students will look at case studies about children, classrooms, and families on topics relevant to diversity. Students will be introduced to strategies and skills to creatively use activism to enhance work with parents, students, and community. Emphasis is on becoming culturally responsive in dealing with diverse families.

This course may be taken 1 time for credit.

Course classification: LDC

ED258A Multicultural Education 1 credit (1 lec hrs/wk)

This course introduces anti-bias/multicultural approaches to teaching with a focus on how to creatively develop relationships and learning environments that value diversity and help children respect each other as individuals. In this course, students will look at case studies about children, classrooms, and families on topics relevant to diversity. Students will be introduced to strategies and skills to creatively use activism to enhance work with parents, students, and community. Emphasis is on becoming culturally responsive in dealing with diverse families in the areas of gender, ethnicity, race, and language.

This course may be taken 1 time for credit.

Course classification: LDC

ED258B Multicultural Education 1 credit (1 lec hrs/wk)

This course introduces anti-bias/multicultural approaches to teaching with a focus on how to creatively develop relationships and learning environments that value diversity and help children respect each other as individuals. In this course, students will look at case studies about children, classrooms, and families on topics relevant to diversity. Students will be introduced to strategies and skills to creatively use activism to enhance work with parents, students, and community. Emphasis is on becoming culturally responsive in dealing with diverse families in the areas of socioeconomic status and religion.

This course may be taken 1 time for credit.

Course classification: LDC

ED258C Multicultural Education 1 credit (1 lec hrs/wk)

This course introduces anti-bias/multicultural approaches to teaching with a focus on how to creatively develop relationships and learning environments that value diversity and help children respect each other as individuals. In this course, students will look at case studies about children, classrooms, and families on topics relevant to diversity. Students will be introduced to strategies and skills to creatively use activism to enhance work with parents, students, and community. Emphasis is on becoming culturally responsive in dealing with diverse families in the areas of special needs, family structures, and ageism.

This course may be taken 1 time for credit.

Course classification: LDC

ED280 CWE: Education & Tutoring 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore the variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: LDC

Emergency Medical Technician (EMT)

EMT151 Emergency Medical Technician Part A 5 credits (4 lec, 3 lab hrs/wk)

Prerequisite(s): Instructor consent

Provides instruction at the level of Emergency Medical Technician. Includes all cognitive (knowledge) and psychomotor (practical) skills necessary to develop student skills in the recognition of signs and symptoms of illness and injury and proper emergency care procedures as outlined by the scope of practice established by the Oregon Medical Board. This course will also build personal skills in hands-on capabilities, and a positive attitude towards the patients. This is the first of a three-part course as set forth by the National EMS Education Standards. Failure of this course will require retaking the full sequence of EMT151/152/280.

This course may be taken 1 time for credit.

Course classification: CTE

EMT152 Emergency Medical Technician Part B 4 credits (3 lec, 3 lab hrs/wk)

Prerequisite(s): (EMT151), or instructor consent

Provides instruction at the level of Emergency Medical Technician. Includes all cognitive (knowledge) and psychomotor (practical) skills necessary to develop student skills in the recognition of signs and symptoms of illness and injury and proper emergency care procedures as outlined by the scope of practice established by the Oregon Medical Board. This course will also build personal skills in hands-on capabilities, and a positive attitude towards the patients. This is the second of a three-part course as set forth by the National EMS Education Standards. Failure of this course will require retaking the full sequence of EMT151/152/280.

This course may be taken 1 time for credit.

Course classification: CTE

EMT169 Emergency Medical Technology Rescue 3 credits (2 lec, 3 lab hrs/wk)

Introduces elementary procedures of rescue practices, systems, components, support, and control of rescue operations. Includes techniques and tools of patient extrication and emphasizes their applications in traffic accidents as required for paramedic certification.

This course may be taken 1 time for credit.

Course classification: CTE

EMT170 Emergency Response & Communication 2 credits (4 lec hrs/wk)

Covers principles of therapeutic communication, verbal, written, and electronic communications in the provision of EMS, documentation of elements of patient assessment, care and transport, communication systems, radio types, reports, codes and correct techniques.

This course may be taken 1 time for credit.

Course classification: CTE

EMT171 Emergency Response Transport 2 credits (2 lec, 6 lab hrs/wk)

Covers ground and air ambulance operations, laws, maintenance and safety, emergency response driving and route planning.

This course may be taken 1 time for credit.

Course classification: CTE

EMT175 Intro Emergency Medical Services 3 credits (3 lec hrs/wk)

This preparatory course integrates comprehensive knowledge of EMS systems, safety/well being of the paramedic, and medical/legal and ethical issues, which is intended to improve the health of EMS personnel, patients, and the community.

This course may be taken 1 time for credit.

Course classification: CTE

EMT180 Internship: Emergency Medical Tech 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: CTE

EMT260 Emergency Medical Responder 3 credits (3 lec, 1 lab hrs/wk)

Provides instruction at the level of emergency medical responder.

Includes all cognitive (knowledge) and psychomotor (practical) skills necessary to develop student skills in the recognition of signs and symptoms of illness and injury and proper emergency care procedures as outlined by the scope of practice established by the Oregon Medical Board. This course will also build personal skills in hands-on capabilities, and a positive attitude towards the patients.

This course may be taken 1 time for credit.

Course classification: CTE

EMT280 CWE: EMT 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): (EMT151), or instructor consent

Corequisite(s): (EMT152)

The goal of this course is to introduce the student to assessment and treatments of live patients in a clinical and field setting. The student will perform skills acquired in classroom and laboratory settings under the guidance of a preceptor to achieve required competencies. This is the third of a three-part course as set forth by the National EMS Education Standards. Failure of this course will require retaking the full sequence of EMT151/152/280.

This course may be taken 12 times for credit.

Course classification: CTE

EMT280F EMT Paramedic Internship 7 credits (21 lab hrs/wk)

Prerequisite(s): (EMT298), or instructor consent

The goal of this course is to develop a planned program of observation and practical experience with an organization providing emergency medical services at the Paramedic/Advanced Life Support (ALS) level. Students will perform the functions of an entry-level paramedic under the guidance of a preceptor on an ALS ambulance. Students will perform assessments and invasive procedures in a real world environment. Students will experience firsthand the skills and knowledge required to act in the capacity of a Paramedic. This course also continues the clinical internships. This is part four of a four-part series as set forth by the National EMS Education Standards.

This course may be taken 1 time for credit.

Course classification: CTE

EMT296 EMT Paramedic Part I 12 credits (10 lec, 6 lab hrs/wk)

Prerequisite(s): (AH111 and BI233 and CJ203 and EMT152 and EMT169 and EMT170 and EMT171 and EMT175 and MTH65 and PSY203 and WR121) or (AH111 and BI233 and CJ203 and EMT152 and EMT169 and EMT170 and EMT175 and MTH65 and PSY201 and WR121)

The goal of the first of a three term series in Paramedic education is to begin fundamentals on patient assessment, airway management and ventilation, and general pharmacology (to include medication administration and dosing). Then focus on pathophysiology of the respiratory and cardiovascular systems to include identification and treatments of related emergencies. This is the first of a five-part course as set forth by the National EMS Education Standards.

This course may be taken 1 time for credit.

Course classification: CTE

EMT297 EMT Paramedic Part II 12 credits (6 lec, 18 lab hrs/wk)

Prerequisite(s): (EMT296)

The goal of EMT297 is to focus on anaphylactic, toxicological, environmental, geriatric, pediatric, obstetric, gynecologic, neonatal, and endocrine emergencies; infectious diseases and trauma care. Applies didactic knowledge to campus-based laboratory skills practice and clinical patient care in the hospital setting. The student will also be introduced to assessments and treatments of live patients in a clinical setting. The student will perform skills acquired in classroom and laboratory settings under the guidance of a preceptor to achieve required competencies. This is the second of a four-part series as set forth by the National EMS Education Standards. Failure of this course will require retaking EMT296 and EMT297.

This course may be taken 1 time for credit.

Course classification: CTE

EMT298 EMT Paramedic Part III 9 credits (5 lec, 12 lab hrs/wk)

Prerequisite(s): Instructor consent

The goals of EMT298 will include a continuation of focus as seen in EMT297. This term will include comprehensive skills and cognitive testing to assess the student's retention of information that has been presented to them so far in the program. Students will continue assessments and treatments of "live" patients in a clinical setting as well. This is part three of a four-part series as set forth by the National EMS Education Standards. Failure of this course will require retaking the full sequence of EMT296, EMT297 and EMT298.

This course may be taken 1 time for credit.

Course classification: CTE

English (ENG)

ENG104 Introduction to Literature Fiction 3 credits (3 lec hrs/wk)

Reading, analysis and appreciation of significant works of fiction, especially short stories, with emphasis on the fiction writer's craft. Presents methods of in-depth critical reading that serve as a basis for further study and enjoyment of literature. This course may be taken 1 time for credit. Course classification: LDC

ENG105 Introduction to Literature Drama 3 credits (3 lec hrs/wk)

Reading, analysis, and appreciation of significant works of drama and the elements of dramatic literature (setting, theme, characterization and language) serve as a basis for further study and enjoyment of drama. This course may be taken 1 time for credit. Course classification: LDC

ENG106 Introduction to Literature Poetry 3 credits (3 lec hrs/wk)

Reading, analysis, and appreciation of significant poems, how they are written and how they speak to human concerns. Presents elements of poetry, language, form, metrics, style and voice that serve as a basis for further study and enjoyment of poetry. This course may be taken 1 time for credit. Course classification: LDC

ENG107 World Literature 3 credits (3 lec hrs/wk)

This course introduces the student to key literary works and authors of world literature from Ancient and Classical foundations to the Middle Ages. Students should consider taking History of Western Civilization concurrently. This course may be taken 1 time for credit. Course classification: LDC

ENG107H World Literature w/Honors 3 credits (3 lec hrs/wk)

This course introduces the student to key literary works and authors of world literature from Ancient and Classical foundations to the Middle Ages and provides honors level work. Students should consider taking History of Western Civilization concurrently. This course may be taken 1 time for credit. Course classification: LDC

ENG108 World Literature 3 credits (3 lec hrs/wk)

This course introduces the student to key literary works and authors of world literature from the late Middle Ages to the Renaissance. Students should consider taking History of Western Civilization concurrently. This course may be taken 1 time for credit. Course classification: LDC

ENG109 World Literature 3 credits (3 lec hrs/wk)

This course introduces the student to key literary works and authors of world literature from the enlightenment to modern and contemporary writings. Occasional study of literature of other cultures may be introduced. Students should consider taking History of Western Civilization concurrently. This course may be taken 1 time for credit. Course classification: LDC

ENG180 Internship: English 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent
Practical on-site experience that will allow students to explore workplace environments and career options. This course may be taken 12 times for credit. Course classification: LDC

ENG201 Shakespeare 3 credits (3 lec hrs/wk)

This course is an introduction to Shakespeare's early dramatic literature with an emphasis on the timelessness of his ideas and themes, the formal demands of drama, and the development of the artist. The plays for this term are drawn from early histories and comedies. This course may be taken 1 time for credit. Course classification: LDC

ENG204 Survey of English Literature 3 credits (3 lec hrs/wk)

This course discusses the literary documents and authors of the British Isles from the Anglo-Saxon beginnings through the sixteenth century. It will also treat the surviving Celtic materials and their influence on British literature. The study will focus on, but not necessarily be limited to, characteristic works and major figures of the period. This course may be taken 1 time for credit. Course classification: LDC

ENG204H Survey of English Lit w/Honors 3 credits (3 lec hrs/wk)

Discusses the literary documents and authors of the British Isles from Anglo-Saxon beginnings through the sixteenth century. Honor students will focus on the archetype of heroes and the role heroes play in the formation of culture. This course may be taken 1 time for credit. Course classification: LDC

ENG205 Survey of English Literature 3 credits (3 lec hrs/wk)

This course discusses the literary documents and authors of the British Isles from the sixteenth through the early nineteenth centuries. The study will focus on characteristic works and major figures on the period. This course may be taken 1 time for credit. Course classification: LDC

ENG206 Survey of English Literature 3 credits (3 lec hrs/wk)

This course discusses the literary documents and authors of the British Isles of the nineteenth and twentieth centuries and the historic context. This course may be taken 1 time for credit. Course classification: LDC

ENG262 Worlds and Writings J.R. R. Tolkien 3 credits (3 lec hrs/wk)

Examines and evaluates the works of Tolkien, Tolkien's role in the creation of the genre of fantasy literature, and the ways in which Tolkien's works reflect twentieth century concerns about power and the environment. This course may be taken 1 time for credit. Course classification: LDC

ENG280 CWE-English 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to explore workplace environments and career options. This is a variable credit course, ranging from 1-12 credits and a variable hour lab ranging from 33-396 hours. This course may be taken 12 times for credit. Course classification: LDC

Environmental Technology (ENV)

ENV110 Introduction Environmental Science 3 credits (3 lec hrs/wk)

This course integrates the physical, life and social sciences under an overarching theme of sustainability to examine environmental issues and solutions. It incorporates a diverse set of topics including ecology, biodiversity, urban and regional planning, air and water pollution, energy supply and consumption, water resources, food production, solid waste, toxic substances, and human population. Critical thinking is promoted through student analysis and interpretation of environmental data and trends, and through student application of knowledge to new situations.

This course may be taken 1 time for credit.

Course classification: LDC

ENV145 Environmental Sampling 3 credits (2 lec, 3 lab hrs/wk)

A lecture and laboratory course designed to provide students with the knowledge and field experience in environmental sampling. This course will cover fundamentals of sampling for various environmental parameters including water, soils, riparian or other habitat and biota. Emphasis will be placed on the accurate collection of data with the use of common field and laboratory techniques used in environmental monitoring. Students will learn the importance of data management analysis and reporting. Offered every two (2) years.

This course may be taken 1 time for credit.

Course classification: LDC

ENV180 Internship: Environmental Tech 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to explore workplace environments and career options

This course may be taken 12 times for credit.

Course classification: LDC

ENV235 Introduction to Soil Science 4 credits (3 lec, 3 lab hrs/wk)

In this course, students learn about the chemical, physical, and biological nature of soils; the factors controlling soil development; what a soil name can tell about the environment; and, how land management decisions affect soil quality and its sustainability. Topics will include: The importance of soils, what soil is, how soil forms, how soils are described, physical properties of soils, soil water, soil chemistry, soil biology, and soil sustainability.

This course may be taken 1 time for credit.

Course classification: LDC

ENV280 CWE: Environmental 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

The student is required to be employed in a full-time (paid or voluntary 40-hour week) environmental or environmentally-related position for an organization or company utilizing environmental principles methods techniques and/or skills.

This course may be taken 1 time for credit.

Course classification: CTE

Fire Science Technology (FS)

FS100 Principles of Emergency Services 3 credits (3 lec hrs/wk)

This course provides an overview to fire protection and emergency services; career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics; life safety initiatives.

This course may be taken 1 time for credit.

Course classification: CTE

FS105 Firefighter Fundamentals I 4 credits (2 lec, 4 lec lab hrs/wk)

Prerequisite(s): (FS100)

This course provides students with the knowledge, skills, and abilities necessary to become firefighters. Students will learn about topics that include firefighter safety and health, fire department communications, fire behavior, personal protective equipment, portable fire extinguishers, ropes, webbing, and knots, search and rescue, and emergency scene lighting. Students will receive comprehensive training in firefighting skills associated with these topics.

This course may be taken 1 time for credit.

Course classification: CTE

FS110 Firefighter Fundamentals II 4 credits (2 lec, 4 lec lab hrs/wk)

Prerequisite(s): (FS105)

This course provides students with the knowledge, skills, and abilities necessary to become firefighters. Students will learn about topics that include forcible entry, ground ladders, water supply, fire hose, and fire streams. Students will receive comprehensive training in firefighting skills associated with these topics.

This course may be taken 1 time for credit.

Course classification: CTE

FS115 Firefighter Fundamentals III 4 credits (2 lec, 4 lec lab hrs/wk)

Prerequisite(s): (FS100) or (FS110)

This course provides students with the knowledge, skills, and abilities necessary to become firefighters. Students will learn about topics that include fire control, tactical ventilation, loss control, and fire origin and cause determination. Students will receive comprehensive training in firefighting skills associated with these topics.

This course may be taken 1 time for credit.

Course classification: CTE

FS120 Building Const Related to Fire Svc 3 credits (3 lec hrs/wk)

Prerequisite(s): (FS100)

This course provides the components of building construction related to firefighter and life safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies.

This course may be taken 1 time for credit.

Course classification: CTE

FS125 Principles of Fire and Emergency S 4 credits (4 lec hrs/wk)

This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services.

This course may be taken 1 time for credit.

Course classification: CTE

FS180 Internship: Fire Science 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: CTE

FS200 Strategy and Tactics 3 credits (3 lec hrs/wk)

Prerequisite(s): (FS100)

This course provides the principles of fire ground control through utilization of personnel, equipment, and extinguishing agents.

This course may be taken 1 time for credit.

Course classification: CTE

FS205 Fire Prevention 3 credits (3 lec hrs/wk)

This course provides fundamental knowledge relating to the field of fire prevention. Topics include: History and philosophy of fire prevention; organization and operation of a fire prevention bureau; use and application of codes and standards; plans review; fire inspections; fire and life safety education; and fire investigation.

This course may be taken 1 time for credit.

Course classification: CTE

FS210 Hazardous Materials & Weapons of MD 3 credits (2 lec, 2 lec lab hrs/wk)

This course provides student with the knowledge, skills, and abilities necessary to become a hazardous materials first responder. Students will learn about topics that include identifying hazardous materials, types of hazards, routes of entry, terrorist attacks, and weapons of mass destruction. Students will receive comprehensive training in using the Emergency Response Guidebook, mitigating incidents involving hazardous materials, and decontamination operations.

This course may be taken 1 time for credit.

Course classification: CTE

FS215 Legal Aspects of Emergency Services 3 credits (3 lec hrs/wk)

This course will address the federal, state, and local laws that regulate emergency services and include a review of national standards, regulations, and consensus standards.

This course may be taken 1 time for credit.

Course classification: CTE

FS220 Fire Protection Systems 3 credits (3 lec hrs/wk)

Prerequisite(s): (FS105)

This course provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers.

This course may be taken 1 time for credit.

Course classification: CTE

FS225 Prin of Fire & Emerg Service Admin 3 credits (3 lec hrs/wk)

Prerequisite(s): (FS100)

This course introduces the student to the organization and management of a fire and emergency services department and the relationship of government agencies to the fire service. Emphasis is placed on fire and emergency service, ethics, and leadership from the perspective of the company officer.

This course may be taken 1 time for credit.

Course classification: CTE

FS280 CWE: Fire Science 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

FS5239 NFPA Instructor I 3 credits (3 lec hrs/wk)

The course prepares the program participants for planning instruction using a variety of instructional methods teaching diverse learners and evaluating course outcomes. This course meets the competency standards Fire Service Instructor I certification.

This course may be taken 1 time for credit.

Course classification: CTE

FS5246 NFPA Firefighter II 4 credits (4 lec hrs/wk)

Students completing this course have met the NFPA 1001 Standards for Certification as NFPA Firefighter IIs.

This course may be taken 1 time for credit.

Course classification: CTE

FS5263 NFPA Pumper Operator 2.50 credits (2 lec, 1 lec lab hrs/wk)

This course meets the national standard for vehicle driver/operator.

The course is designed to educate firefighters who are responsible for operating fire apparatus with fire pumps.

This course may be taken 1 time for credit.

Course classification: CTE

FS5276 S130/190 Wildland Firefighter Type 3 credits (3 lec hrs/wk)

Firefighters successfully completing this course will be qualified to suppress wildland fires under close supervision. This training is required for all personnel prior to certification as a firefighter (Type 2) under the national wildland qualification system.

This course may be taken 3 times for credit.

Course classification: CTE

FS5678 Collapse of Burning Buildings 1 credit (1 lec hrs/wk)

Prerequisite(s): (FS105)

Structural collapse is one of the leading causes of firefighter deaths.

This course is designed to warn firefighters how buildings collapse when destroyed by fire.

This course may be taken 1 time for credit.

Course classification: CTE

FS9173 S-131: Adv Frfrtr Trg 0.50 credits

Prerequisite(s): (FS5276)

This course is suggested training for individuals who wish to become qualified in the first level supervision position of advanced firefighter/squad boss (FFT1) in wildland fire management.

This course may be taken 1 time for credit.

Course classification: CTE

FS9175 Firefighter Safety 3 credits (2 lec, 1 lec lab hrs/wk)

Course is designed to explore numerous aspects of firefighter safety. Students will explore those safety hazards and possible mitigation techniques for ensuring their safety.

This course may be taken 1 time for credit.

Course classification: CTE

FS9370 Rapid Intervention Teams-Fire 1.50 credits (1 lec, 1 lec lab hrs/wk)

Prerequisite(s): (FS105)

The course will provide students with the skills necessary to perform as a member of a Rapid Intervention Team (RIT). The course is based on the 4-Phase Standard Operating Guideline that requires the use of locate, access, stabilize, and transfer procedures for the rescue of firefighters.

This course may be taken 1 time for credit.

Course classification: CTE

FS9380 S215 Fire Ops Urban Interface 2 credits (2 lec hrs/wk)

Prerequisite(s): (FS5276)

This course is designed to meet the training needs for initial attack incident commanders (wildland suppression) and company officers (suppression) confronting wildland fires that threaten life, property, and improvements.

This course may be taken 1 time for credit.

Course classification: CTE

FS996Q Fire Science Driver 2 credits (1 lec, 1 lec lab hrs/wk)

This course is designed to provide firefighter student with concepts in emergency driving defensive driving Oregon laws/policies and vehicle maintenance. Students will also receive skills and knowledge to drive and maintain emergency vehicles.

This course may be taken 1 time for credit.

Course classification: CTE

Food and Nutrition (FN)

FN155 Nutrition in Early Childhood 1 credit (1 lec hrs/wk)

This course covers nutrition aspects related to the early childhood years (birth to eight years) and includes information about serving healthy foods for child care. Information on teaching nutrition activity in developmentally appropriate ways are also covered in the course.

This course may be taken 1 time for credit.

Course classification: LDC

FN180 Internship: Nutrition 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore the variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

FN225 Nutrition 4 credits (4 lec hrs/wk)

This course focuses on the study of basic nutrition principles and newer scientific investigations of optimal diet for health. A review of present day nutrition problems is included. The course is valuable for home economic, nursing, physical education, food service, dental hygiene and childhood education majors.

This course may be taken 1 time for credit.

Course classification: LDC

FN280 CWE: Food and Nutrition 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

This course focuses on the study of basic nutrition principles and newer scientific investigations of optimal diet for health. A review of present day nutrition problems is included. The course is valuable for home economic, nursing, physical education, food service, dental hygiene and childhood education majors.

This course may be taken 33 times for credit.

Course classification: CTE

Forest Engineering (FE)

FE209 Forest Photogrammetry & Intro to 4 credits (3 lec, 3 lab hrs/wk)

This course is intended to provide students interested in the management and conservation of natural resources with the fundamentals of spatial data acquisition from airborne and spaceborne sensors. It will provide an introduction into the theory of spectral reflectance properties of vegetation, the principles of photographic analysis and aerial photo-interpretation, and new advances such as LIDAR.

This course may be taken 1 time for credit.

Course classification: LDC

Forest Resources Technology (F)

F111 Introduction to Forestry 4 credits (3 lec, 3 lab hrs/wk)

This course will cover a broad overview of basic forestry principle; a review of the history of forestry balanced with a discussion of current forestry management programs, laws, and practices implemented in the United States today.

This course may be taken 1 time for credit.

Course classification: LDC

F180 Internship: Forestry 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 0 times for credit.

Course classification: CTE

F222A Elementary Forest Surveying 4 credits (3 lec, 3 lab hrs/wk)

An introduction to the theory and practice of forest surveying methods and measurements as applied to the specifics of forestry problems and their solutions. The course provides fundamental instruction for surveying and field measurements.

This course may be taken 1 time for credit.

Course classification: LDC

F223 Forest Measurements 4 credits (2 lec, 6 lab hrs/wk)

Prerequisite(s): (FE209 and FE222A)

This course is designed to introduce students to the basic concepts of forest and natural resource measurements. Emphasis will be placed on the use of technical forestry equipment to collect and analyze forest and other natural resource data, including but not limited to logs, trees, plants, wildlife, stand and forest-level attributes. To manage forest resources sustainably, practitioners must know the quality and quantity of resources and their change over time. Forest measurements provides information that support forest management decisions at the stand and forest levels. Although the general topic of the course focuses on quantitative analysis of forest vegetation, time and effort will be spent measuring other forest resources (e.g., wildlife habitat resources and riparian zones). Moreover, the theory and methodology discussed in this course can be applied to other renewable resources.

This course may be taken 1 time for credit.

Course classification: CTE

F240 Forest Ecology 3 credits (2 lec, 2 lec lab hrs/wk)

This course provides the student with the basic knowledge of forest ecology. The course will cover the elements of the forest ecosystem and its interrelationships.

This course may be taken 1 time for credit.

Course classification: LDC

F241 Dendrology 5 credits (4 lec, 3 lab hrs/wk)

Learn to identify the principal forest trees of North America, and the principal trees and shrubs of the Pacific Northwest, including the ranges over which they grow, important ecological characteristics, and principal uses. Also learn about forested regions of the world, and the structure and function of forest plants.

This course may be taken 1 time for credit.

Course classification: LDC

F250 Forest Biology 4 credits (3 lec, 3 lab hrs/wk)

This course is designed to introduce students to the basic concepts of forest and natural resource biology concepts. It will focus on forest plants and animals, communities, and ecosystems, along with their functioning and their relationship to resource management. Forest Biology is a basic course that provides a broad foundation in biology that is relevant to many natural resource issues. The course will examine biology at multiple levels of organization, from molecules to the globe.

This course may be taken 1 time for credit.

Course classification: LDC

F251 Recreation Resource Management 4 credits (3 lec, 3 lab hrs/wk)

Exposes students to the theories and practices involved in managing our natural resources for public use. Resource management, visitor management, and service management components will be studied and analyzed. An emphasis will be put on how visitors impact natural resources, and the tools available to resource managers to control and mitigate those impacts using planning and management techniques. The lecture portion of the class will involve lecture and group discussions.

The lab will include field trips to public recreation sites and presentations from recreation resource managers and planners.

This course may be taken 1 time for credit.

Course classification: LDC

F280 CWE: Forestry 1-6 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

The student is required to be employed in a full-time (paid or voluntary 40-hour week) forestry or forestry-related position for an organization or company utilizing forestry principles methods techniques and/or skills.

This course may be taken 2 times for credit.

Course classification: CTE

General Science (GS)

GS104 Physical Science 4 credits (3 lec, 3 lab hrs/wk)

Prerequisite(s): (MTH60)

This course provides an overview of the essential ideas in physics with an emphasis on the laws of motion, work, energy, heat and temperature.

This course may be taken 1 time for credit.

Course classification: LDC

GS105 Physical Science 4 credits (3 lec, 3 lab hrs/wk)

Prerequisite(s): (MTH60)

This course is an introduction to chemistry for non-science majors.

The course material covers atomic structure and theory, compounds, chemical bonds, states of matter, solution chemistry, chemical reactions and selected topics in organic and biochemistry.

This course may be taken 1 time for credit.

Course classification: LDC

GS106 Introduction to Earth Science 4 credits (3 lec, 3 lab hrs/wk)

Introduces various branches of earth science. Includes basic terminology, fundamental processes and respective interrelationships. Discusses rock and mineral formation, plate tectonic theory, volcanism, earthquakes, surficial processes, and geologic time. Includes laboratory component.

Credit cannot be earned for this course and G221.

This course may be taken 1 time for credit.

Course classification: LDC

GS107 Astronomy 4 credits (3 lec, 3 lab hrs/wk)

Prerequisite(s): (MTH60)

A descriptive treatment of the solar system, stars, stellar evolution, galaxies and cosmology. The results of current space missions are emphasized. Recent discoveries in stellar astronomy will be discussed.

This course may be taken 1 time for credit.

Course classification: LDC

GS108 Oceanography 4 credits (3 lec, 3 lab hrs/wk)

Prerequisite(s): (MTH60) or (MTH60 and WR90) or (WR90)

Studies the ocean and its phenomena. Discusses the chemical, biological, geological, and physical nature of the oceans, the ocean floor and shorelines. The course also includes sedimentation, volcanism, plate tectonics, and other geological aspects of the oceans.

This course may be taken 1 time for credit.

Course classification: LDC

GS180 Internship: General Science 1-12 credits (3 lab hrs/wk/cr)

Practical worksite exposure to applied science, which provides students an opportunity to explore potential career paths in science while gaining practical experience in applying classroom science theory.

This course may be taken 12 times for credit.

Course classification: LDC

GS280 CWE: General Science 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical worksite exposure to applied science, which provides students an opportunity to explore potential career paths in science while gaining practical experience in applying classroom science theory.

This course may be taken 12 times for credit.

Course classification: LDC

Geography (GEOG)

GEOG105 Cultural Geography 3 credits (3 lec hrs/wk)

This course examines the nexus of human and environmental interaction. We will consider issues such as the origins of domestication of animals and plants for food, economic development and underdevelopment, environmental racism, and the geographic origins of cultural differences. This course may be taken 1 time for credit.

Course classification: LDC

GEOG180 Internship: Geography 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical worksite exposure to applied science, which provides students an opportunity to explore potential career paths in science while gaining practical experience in applying classroom science theory.

This course may be taken 12 times for credit.

Course classification: LDC

GEOG209 Physical Geography Weather/Climate 4 credits (4 lec hrs/wk)

Examines the processes of the atmosphere, the distribution and character of climate types, climate change, and humankind as a modifier of climate.

This course may be taken 1 time for credit.

Course classification: LDC

GEOG265 Intro to Geographical Info Systems 3 credits (2 lec, 3 lab hrs/wk)

An introduction to the appropriate use and potential applications of geographic information systems (GIS) and related technologies (GPS and remote sensing) in problem-solving for a variety of industries. Students are presented with lectures and exercises that cover a wide range of GIS and GIS-related topics and issues, including spatial database creation, structure, analysis and modeling. Class meetings include lectures and hands-on GIS exercises in a computer lab. Students are required to complete weekly lab assignments and a final project.

This course may be taken 1 time for credit.

Course classification: LDC

GEOG270 Adv Topics in Geog Info Systems 3 credits (2 lec, 3 lab hrs/wk)

Prerequisite(s): (GEOG265)

An advanced course in geographic information science. This class builds upon techniques learned in GEOG265 Introduction to Geographic Information Systems (GIS) by exposing students to more advanced methods in developing and utilizing GIS data.

This course may be taken 1 time for credit.

Course classification: LDC

GEOG275 Fundamentals of Cartography 3 credits (2 lec, 3 lab hrs/wk)

Prerequisite(s): (GEOG265)

A general introduction to cartography as an art and a science. The course teaches fundamental principles of map design and construction. Students will become familiar with the cartographic process, especially as they apply basic mapping concepts such as scale, typography, map projections, generalization, symbols, color schemes, and data visualization. Students will use cartographic tools available in Esri software.

This course may be taken 1 time for credit.

Course classification: LDC

GEOG277 GIS Capstone 1 credit

Prerequisite(s): (GEOG270)

An independent GIS project carried out in concert with industry professionals.

This course may be taken 1 time for credit.

Course classification: LDC

GEOG280 CWE: Geography 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical worksite exposure to applied science, which provides students an opportunity to explore potential career paths in science while gaining practical experience in applying classroom science theory.

This course may be taken 12 times for credit.

Course classification: LDC

Geology (G)

G145 Regional Field Geology 1-3 credits

A field study of significant geologic features of a selected region. The course consists of a field trip arranged to illustrate the geologic setting, stratigraphy and structure, topography, age and origin, significant events through geologic time, and special features unique to the region. Also offered as G0250 for no credit or grade.

This course may be taken 10 times for credit.

Course classification: LDC

G146 Geology of Southwestern Oregon 3 credits (3 lec hrs/wk)

Studies the physical and historical features of southwestern Oregon. Examines the geological setting, age, origin, stratigraphy, structure, and topography of the Coast Range and Klamath Mountain provinces of southwestern Oregon. The major geologic aspects of each city in the region are emphasized.

This course may be taken 1 time for credit.

Course classification: LDC

G180 Internship: Geology 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options

This course may be taken 12 times for credit.

Course classification: LDC

G201 Physical Geology I 4 credits (3 lec, 3 lab hrs/wk)

Corequisite(s): (G0250) or (G145)

A study of the nature of the earth, earth materials and geologic structures, fundamental geologic principles, and physical processes acting within and upon the earth. Laboratory exercises and field trips required.

This course may be taken 1 time for credit.

Course classification: LDC

G202 Physical Geology II 4 credits (3 lec, 3 lab hrs/wk)

Corequisite(s): (G0250) or (G145)

Studies fundamental geologic principles and the natural processes acting within and upon the earth. Examines internal and superficial processes, geologic time and the inter-relationships of people and their natural environment. Laboratory exercises and field trips are required.

This course may be taken 1 time for credit.

Course classification: LDC

G203 Historical Geology 4 credits (3 lec, 3 lab hrs/wk)

Corequisite(s): (G0250) or (G145)

Covers the physical and historical nature of the earth through time. Includes principles of historical geology, geologic time, the sequence of tectonic changes stratigraphic relations paleogeographic environments and major events through time and the progression of life through time. Laboratory exercises and field trips are required.

This course may be taken 1 time for credit.

Course classification: LDC

G207 Geology of the Pacific Northwest 3 credits (3 lec hrs/wk)

Geology of the Pacific Northwest introduces the regional geology of the Pacific Northwest with an emphasis on Oregon geology. The course includes a basic overview of geologic principles, earth materials and development of the geologic history of Pacific Northwest provinces.

This course may be taken 1 time for credit.

Course classification: LDC

G221 General Geology 3 credits (3 lec hrs/wk)

Introduces the physical aspects of geology. Includes rocks and mineral formation and identification, volcanoes, earthquakes, plate tectonics and glaciation. Also includes other gradational processes, other aspects of volcanism, geologic time, a brief survey of prehistoric life and sequence of major events through time. Credit cannot be earned for this course and GS106.

This course may be taken 1 time for credit.

Course classification: LDC

G246 Geological Hazards 3 credits (3 lec hrs/wk)

The causes and effects of earthquakes, tsunamis, landslides, ground subsidence and collapse, floods, storms, coastal erosion, and volcanic eruptions. The possibilities for prediction and mitigation will be examined, as will the potential for natural hazards in Oregon.

This course may be taken 1 time for credit.

Course classification: LDC

G280 CWE: Geology 1-12 credits (3 lab hrs/wk/cr)

Practical worksite exposure to applied science, which provides students an opportunity to explore potential career paths in science while gaining practical experience in applying classroom science theory.

This course may be taken 12 times for credit.

Course classification: LDC

Health (HE)

HE180 Internship: Health Ed 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore the variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

HE250 Personal Health 3 credits (3 lec hrs/wk)

This Personal Health course deals with current health trends and issues in the United States. The course will include information on mental, emotional, social health and behavior aspects. Physical health includes nutrition-weight management, physical conditioning, environmental health, sexually transmitted disease, cancer, aging, drug education and cardiovascular disease.

This course may be taken 1 time for credit.

Course classification: LDC

HE252 First Aid & CPR Professional Rescue 3 credits (3 lec hrs/wk)

This course follows the American Red Cross, and OSHA requirements to prepare the student with knowledge, skill, and techniques necessary to recognize and provide care in first aid, respiratory, and cardiac emergencies using the latest CPR and emergency cardiac care guidelines. Students learn how to perform rescue breathing; one-rescuer and two-rescuer CPR; how to use airway adjuncts (bag-valve-mask, oxygen administration); and how to operate an Automated External Defibrillator (AED). American Red Cross Professional Rescuer and First Aid certification is given upon completion of course requirements.

This course may be taken 1 time for credit.

Course classification: LDC

HE280 CWE: Rural Health Aide 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

HE280E Field Experience: EMT 1-3 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

This course consists of a planned program of observation and practical experience with an organization providing emergency medical services.

The course is designed to provide students with experience and an opportunity to apply emergency medical concepts and theory in a field situation.

This course may be taken 4 times for credit.

Course classification: LDC

HE9424 Hospice Training 3 credits (3 lec hrs/wk)

This course prepares adults to work with hospice clients (terminally ill persons) and their families as hospice volunteers. Attendees learn with history and principles of hospice care, common experiences of hospice clients as they move through the dying and bereavement processes, and skills needed to carry out the volunteer role. Although this course focuses primarily on interpersonal interventions and activities, personal and cultural reactions to death and dying are included.

This course may be taken 1 time for credit.

Course classification: CTE

Health Information Management (HIM)

HIM110 Health Information Technology 5 credits (4 lec, 3 lab hrs/wk)

Prerequisite(s): (MTH20 and WR90)

Introduces the concept of health information management and health informatics including the components of content, use the structure of health care data along with information keeping practices in both paper and electrical systems.

This course may be taken 1 time for credit.

Course classification: CTE

HIM180 Internship: Health Information Mgmt 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: CTE

HIM182 Health Care Delivery Systems 3 credits (3 lec hrs/wk)

Explains the past, present, and future influences on the delivery of health care. Covers provider organizations and settings in health care, financing of health care, causes and characteristics of health care utilization in the United States, regulation and monitoring of health care systems and ethical issues associated with health care technology.

This course may be taken 1 time for credit.

Course classification: CTE

HIM183 Health Information Systems 3 credits (3 lec hrs/wk)

Health Information Systems introduces the history and current status of information systems in health care: Information architectures, administrative and clinical applications, evidence-based medicine, information retrieval, decision support systems, security and confidentiality, bioinformatics, information system cycles, the electronic health record, key health information systems and standards, and medical devices. Teaches strategies and tools to ensure the development and/or selection of health information systems. Discusses the role of health care information and communication technologies in health care delivery including their role in improving the quality, safety and efficiency of health care delivery.

This course may be taken 1 time for credit.

Course classification: CTE

HIM185 Healthcare Financing and Compliance 3 credits (3 lec hrs/wk)

Provides an understanding of the essential components of financing and compliance in health care facilities.

This course may be taken 1 time for credit.

Course classification: CTE

HIM280 CWE: Health Information Mgmt 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: CTE

HIM283 Health Information Systems 3 credits (3 lec hrs/wk)

Health Information Systems introduces the history and current status of information systems in health care: Information architectures, administrative and clinical applications, evidence-based medicine, information retrieval, decision support systems, security and confidentiality, bioinformatics, information system cycles, the electronic health record, key health information systems and standards, and medical devices. Teaches strategies and tools to ensure the development and/or selection of health information systems. Discusses the role of health care information and communication technologies in health care delivery including their role in improving the quality, safety and efficiency of health care delivery.

This course may be taken 1 time for credit.

Course classification: CTE

HIM285 Health Care Financing Compliance 3 credits (3 lec hrs/wk)

Provides an understanding of the essential components of financing and compliance in health care facilities.

This course may be taken 1 time for credit.

Course classification: CTE

History (HST)

HST101 History of Western Civilization 3 credits (3 lec hrs/wk)

This course traces the history of the Western world from its ancient beginnings in Mesopotamia and Egypt up to the rebirth of Europe during the Renaissance.

This course may be taken 1 time for credit.

Course classification: LDC

HST102 History of Western Civilization 3 credits (3 lec hrs/wk)

The course traces the history of Western civilization from the Reformation/Age of Religious Wars to the beginning of the Industrial Age (1550 to 1815).

This course may be taken 1 time for credit.

Course classification: LDC

HST103 History of Western Civilization 3 credits (3 lec hrs/wk)

The course traces the history of Western civilization from the aftermath of the French Revolution to the present – well almost (1815 to 1991).

This course may be taken 1 time for credit.

Course classification: LDC

HST104 History of the Middle East 3 credits (3 lec hrs/wk)

A survey of Middle Eastern history with emphasis on modern, post-World War II era. Course will include geographic, religious, political and cultural issues of the region.

This course may be taken 1 time for credit.

Course classification: LDC

HST145 Field Study: History 1-3 credits (3 lab hrs/wk/cr)

A field study of significant historical features of a selected region.

Students will apply techniques of inquiry and analysis from various academic disciplines in order to understand and resolve key issues at selected field study sites. Introductory lecture will survey key issues and introduce techniques required for a site-based field study followed by on-site visit. The three credit course does not have the separate lecture component that is a preview and summary experience; that is to be included in the ten-day trip.

This course may be taken 1 time for credit.

Course classification: LDC

HST180 Internship: History 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical worksite exposure to applied science, which provides students an opportunity to explore potential career paths in science while gaining practical experience in applying classroom science theory.

This course may be taken 12 times for credit.

Course classification: LDC

HST201 History of the United States 3 credits (3 lec hrs/wk)

The United States from colonial times to the mid-nineteenth century just prior to the Civil War. Introduces students to major themes of American social, economic, cultural, and political history.

This course may be taken 1 time for credit.

Course classification: LDC

HST202 History of the United States 3 credits (3 lec hrs/wk)

A history of the United States focusing on the major social, economical, political, and cultural developments beginning with the build-up to the Civil War and ending just before American involvement in World War I.

This course may be taken 1 time for credit.

Course classification: LDC

HST203 History of the United States 3 credits (3 lec hrs/wk)

A history of the United States focusing on the major social, economical, political, and cultural developments beginning with American involvement in World War I and concluding with the end of the Cold War.

This course may be taken 1 time for credit.

Course classification: LDC

HST215 History of World War II 3 credits (3 lec hrs/wk)

This course traces the causes, progression, and results of World War II, including political, social, and military development.

This course may be taken 1 time for credit.

Course classification: LDC

HST240 Hist of Oregon and the South Coast 3 credits (3 lec hrs/wk)

This course surveys the history and geography of Oregon within the Pacific Northwest region. Students will use supplemental readings and documents from Oregon's south coast to enhance their understanding of local history while studying the regional history.

This course may be taken 1 time for credit.

Course classification: LDC

HST280 CWE: History 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

This course offers career exploration and workplace experience within a widely defined number of supervised settings which provide professional experience in the field of history.

This course may be taken 12 times for credit.

Course classification: LDC

Honors Program (HON)

HON101 Introduction to Honors 1 credit (1 lec hrs/wk)

Introduction to Honors provides students with an overview of the Honors Program, explores the values and habits that contribute to academic excellence, and helps students begin an E-portfolio.

This course may be taken 1 time for credit.

Course classification: LDC

HON102 Honors in Arts and Letters 1 credit (1 lec hrs/wk)

Honors in Arts and Letters challenges students to think critically about important issues in arts and letters and explore the role of the arts in society.

This course may be taken 1 time for credit.

Course classification: LDC

HON103 Honors in Math and Science 1 credit (1 lec hrs/wk)

Honors in Math and Science challenges students to think critically about important issues in math and science and explore the role of these disciplines in society.

This course may be taken 1 time for credit.

Course classification: LDC

HON104 Honors in Social Sciences 1 credit (1 lec hrs/wk)

Honors in Social Sciences challenges students to think critically about the important questions addressed by social sciences and explore the role of the social sciences in society.

This course may be taken 1 time for credit.

Course classification: LDC

HON110 Leadership in Honors 1 credit (1 lec hrs/wk)

This course is designed to provide a basic understanding of leadership and leadership theory. This class will assist students with developing a personal philosophy of leadership and an awareness of one's own style of leadership.

This course may be taken 1 time for credit.

Course classification: LDC

HON115 Honors Capstone 1 credit (1 lec hrs/wk)

Prerequisite(s): (HON101)

Honors Capstone guides students in the completion of a meaningful project and a well-designed e-portfolio.

This course may be taken 1 time for credit.

Course classification: LDC

Human Development (HD)

HD0529 Math Success 1 credit (3 lab hrs/wk)

This course facilitates students to become successful math learners and critical thinkers. Students will be exposed to a variety of math study skills, problem solving skills, and systems of logic which will be put into immediate practice through group and individual exercises. Students will assess their own most favored learning styles and develop increased comfort in alternative learning situations. Students will also self-identify possible math and/or test anxiety which may be artificially reducing their math grades. Students are encouraged to be concurrently enrolled in a math course required for their majors so that the skills learned here can be put into immediate practice. Concurrent courses include MTH20, 60, 65, 95, and 105.

This course may be taken 3 times for credit.

Course classification: DEV

HD100 College Success and Survival 3 credits (3 lec hrs/wk)

Facilitates adjustment to the college environment. Focuses on self-assessment, personal development, educational goal setting and critical thinking. Encourages interdisciplinary exploration, exposure to multiple modes of educational delivery, and structured academic journaling.

This course may be taken 1 time for credit.

Course classification: LDC

HD100A College Success and Survival (A) 1 credit (1 lec hrs/wk)

First of a sequence of three one-credit courses dividing up the content of former HD*100. Facilitates adjustment to the college environment.

Focuses on self-assessment, personal development, educational goal setting and critical thinking. First module focuses on personal responsibility, goal setting, motivation, time management, self-management and SWOCC specific information.

This course may be taken 1 time for credit.

Course classification: LDC

HD100W College Success and Survival 1 credit (1 lec lab hrs/wk)

This course is designed to assist the student in adjusting to the on-line/distance education environment. Students will be introduced to skills, techniques, and knowledge necessary for successful on-line learning.

This course will emphasize navigating on-line learning systems including sending e-mail, posting to discussion boards, attaching files, submitting assignments, and taking assessments. This course will assist students to develop specific study skills geared toward on-line learning including developing and sustaining self-motivation, and self-direction. This course is recommended for students new to the on-line learning environment.

This class will be a hybrid. Students will receive six hours of direct instruction, and five hours of on-line instruction. This class is designed to meet three times for two hours each session. This class will meet the first week of the quarter, fifth week of the quarter, and the tenth week of the quarter. The review and the final will be on-line.

This course may be taken 1 time for credit.

Course classification: LDC

HD101 Community Service Learning Exp 3 credits (2 lec, 3 lab hrs/wk)

A theoretical and practical course examining the principles and features of service-learning. Students will develop a personal understanding of civic engagement, ethics and leadership through direct and/or indirect service to a community-based organization and through critical reflection. Students will be required to complete 33 hours of service and participate in weekly seminars/discussions.

This course may be taken 1 time for credit.

Course classification: LDC

HD101L Service Learning Lab 1-9 credits (3 lab hrs/wk/cr)

This course permits an instructor to offer an optional concurrent service learning component to supplement a course already taught. This component extends, reinforces, or applies the learning from the original course to meet a community need. May be repeated for a total of nine credit hours. A separate syllabus/course outline or schedule will be required for each class offered.

This course may be taken 9 times for credit.

Course classification: LDC

HD102 College Nuts and Bolts 1 credit (1 lec hrs/wk)

Designed for first year students, provides a brief introduction to the essentials of college adjustment. Topics include: Accessing college resources, managing time, understanding college procedures, academic planning and maintaining academic standing.

This course may be taken 1 time for credit.

Course classification: LDC

HD105 Finding Funding Through Scholarship 1 credit (1 lec hrs/wk)

Designed to increase students' success in obtaining scholarships. Topics covered are: Common scholarship criteria, application tips, essay writing, scholarship searches, and how scholarship committees make their decisions.

This course may be taken 1 time for credit.

Course classification: LDC

HD110 Career and College Awareness 2 credits (2 lec hrs/wk)

This course focuses on preparing non-traditional students to enter college, training programs and/or employment. It helps students achieve their education and career goals by offering a variety of opportunities for students to identify and reflect on their strengths and interests. Aspects of this course are integrating prior knowledge with new information, improving vocabulary, reading skills, charts and tables and locating information.

This course may be taken 2 times for credit.

Course classification: LDC

HD111 Math Success 2 credits (1 lec, 2 lec lab hrs/wk)

This course facilitates students to become successful math learners and critical thinkers. Students will be exposed to a variety of math study skills, problem solving skills, and systems of logic which will be put into immediate practice through group and individual exercises. Students will assess their own most favored learning styles and develop increased comfort in alternative learning situations. Students will also self-identify possible math and/or test anxiety which may be artificially reducing their math grades. Students are encouraged to be concurrently enrolled in a math course required for their majors so that the skills learned here can be put into immediate practice. Concurrent courses include MTH 20, 60, 65, 95, and 105.

This course may be taken 1 time for credit.

Course classification: LDC

HD112 Study Skills 3 credits (3 lec hrs/wk)

Designed to increase the students' success in college by assisting them in obtaining skills necessary to reach their educational objectives. Students are introduced to time management strategies, note taking, library usage, problem solving, exam strategies, muscle reading, and learning style.

This course may be taken 1 time for credit.

Course classification: LDC

HD113 Stop Test Anxiety Now 1 credit (1 lec hrs/wk)

Covers techniques for coping with debilitating test-taking anxiety, and improving overall test performance. Students will utilize biofeedback to assess individual levels of anxiety and map precise solutions to individual anxiety constructions.

This course may be taken 1 time for credit.

Course classification: LDC

HD140 Career/Education Exploration 1 credit (1 lec hrs/wk)

Provides tools needed to make an informed career and educational decision. Includes interest testing; self-assessment of skills, values, and attitudes. Learn how to locate occupational information and relate it to making informed educational choices.

This course may be taken 1 time for credit.

Course classification: LDC

HD147 Decision Making 1 credit (1 lec hrs/wk)

This course assists students to develop an awareness of their personal decision-making styles in order to make effective decisions and life choices in personal, social, academic and work settings. Introduces information on effective decision-making.

This course may be taken 1 time for credit.

Course classification: LDC

HD152 Stress Management 1 credit (1 lec hrs/wk)

This course assists students to identify specific personal stressors, and develop skills that enable the students to more effectively deal with stress.

This course may be taken 1 time for credit.

Course classification: LDC

HD154 Self-Esteem 1 credit (1 lec hrs/wk)

This course will provide students with an opportunity to define, assess and develop their self-esteem. This course will provide multiple tools and processes to enhance self-esteem and develop individual strengths.

This course may be taken 1 time for credit.

Course classification: LDC

HD204 Living Consciously 3 credits (3 lec hrs/wk)

This class is designed to assist college students of any age to experience greater success in both college and their personal lives through the use of positive psychology.

This course may be taken 1 time for credit.

Course classification: LDC

HD208 Career/Life Plan 3 credits (3 lec hrs/wk)

Students learn a process for career selection, emphasizing development as an ongoing process. Attention is given to self-assessment (skills, interests, values, attitudes, motivational patterns), decision making models, job and career research techniques (including electronic resources), and development of a personal action plan.

This course may be taken 1 time for credit.

Course classification: LDC

HD215 Transfer Success 1 credit (2 lec lab hrs/wk)

This class is designed to assist students in the preparation for transfer to a four-year institution. Course content includes development of strategies for choosing a transfer institution, identification of resources to assist in the transfer process, choice of majors, and funding sources.

This course may be taken 1 time for credit.

Course classification: LDC

Human Development and Family Studies (HDFS)

HDFS140 Contemporary American Families 3 credits (3 lec hrs/wk)

Prerequisite(s): (WR121)

An introductory course in family studies that focuses on the diversity of the American family today as well as giving an overview of changes in the family environment and structure over time. Topics that influence families are included such as parenting, violence, gender, divorce, remarriage, economics and culture.

This course may be taken 1 time for credit.

Course classification: LDC

HDFS180 Internship: HDFS 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 33 times for credit.

Course classification: CTE

HDFS222 Family Relations 3 credits (3 lec hrs/wk)

A practical and theoretical course examining communication patterns and relationships between adults and children. Emphasis is placed on understanding how the family affects the development of the child, along with the development of skills to use this knowledge to conduct individualized home visits with families with young children.

This course may be taken 1 time for credit.

Course classification: LDC

HDFS225 Prenatal Infant and Toddler Dev 3 credits (3 lec hrs/wk)

This course introduces students to the theories and principles of child development beginning with conception, to prenatal, and through two years of age. Emphasis will be placed on physical, intellectual, emotional, and social development of the young child, including a strong focus on early brain development and the basic tenets of scientific research.

The course readings and discussions will focus on typical development - what goes right - as well as factors that place the child at risk for developmental difficulties.

This course may be taken 1 time for credit.

Course classification: LDC

HDFS227 Parents as Partners in Education 3 credits (3 lec hrs/wk)

Collaborative family partnerships are a key to success in early childhood programs. Course topics highlight formal and informal communication with parents and the community, and how to be culturally-responsive within these relationships. Students will learn practical strategies for partnering with families and the community to support, enhance, and maximize the quality of care and education for young children. Focus will be on acquiring the critical skills teachers need to establish effective, productive relationships with families and in the community where they teach.

This course may be taken 1 time for credit.

Course classification: CTE

HDFS229 Development in Middle Childhood 3 credits (3 lec hrs/wk)

This course will include the study of growth and development in six-through eighteen-year old children and adolescents. Emphasis will be placed on physical, cognitive, and social/emotional development of this age group.

This course may be taken 1 time for credit.

Course classification: LDC

HDFS247 Preschool Child Development 3 credits (3 lec hrs/wk)

This course covers the principles of theory and development as they apply to the young child ages two and a half through five. Emphasis is placed on physical, cognitive, emotional and social growth in preschool children. Students gain experience in observation to identify theorists' key elements and indicators of child development.

This course may be taken 1 time for credit.

Course classification: LDC

HDFS280 CWE: HDFS 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: CTE

HDFS285 Prof Issues in Early Childhood Ed 3 credits (3 lec hrs/wk)

This childhood education capstone course focuses on the diverse professional roles of early childhood educators in our present society by synthesizing knowledge and experience in the areas of ethics, conflict resolution, leadership, advocacy, and current topics in early childhood education. It includes substantial work assembling the professional portfolio required for graduation for childhood education and family studies degrees.

This course may be taken 1 time for credit.

Course classification: LDC

HDFS297 Parenting Ed and Early Childhood Hm 2 credits (4 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course is the capstone required for students applying for completion of the Parenting Education and Early Childhood Home Visitor Certificate. Students attend a series of community-based parenting education classes in their local community and interview a home visitor in a program that serves young children and their families. A final written paper reflecting on their interview and experience in the parenting education classes in relation to the certificate coursework completed, along with a professional development plan for themselves as parenting education facilitators and/or home visitors, will complete the capstone requirement.

This course may be taken 1 time for credit.

Course classification: CTE

Human Services (HS)

HS100 Introduction to Human Services 3 credits (3 lec hrs/wk)

Introduces the human services/social work profession with an emphasis on exploring the relationship between social welfare history, social policy, and the values skills and knowledge required for success in the field.

This course may be taken 1 time for credit.

Course classification: LDC

HS154 Community Resources 3 credits (3 lec hrs/wk)

Students will learn about the agencies and programs that form the foundation for human service/social work practice. Basic skills for needs assessment, resource referral, and effective service delivery will be introduced.

This course may be taken 1 time for credit.

Course classification: LDC

HS155 Interviewing Theory and Techniques 4 credits (4 lec hrs/wk)

Provides the theoretical and practical basis for effective interviewing.

Emphasis on developing listening and communication skills beneficial for students of all disciplines.

This course may be taken 1 time for credit.

Course classification: LDC

HS7250 Issues in Domestic Violence 3 credits (3 lec hrs/wk)

This course prepares students to work with issues related to domestic/sexual violence in law enforcement and/or social services. Students will identify the signs and dynamics of domestic violence in families. Characteristics of abusers and victims, legal and ethical issues will be explored.

This course may be taken 1 time for credit.

Course classification: CTE

Humanities (HUM)

HUM180 Internship: Humanities 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

HUM204 World Mythlgy & Religion 3 credits (3 lec hrs/wk)

The origins and character of world mythologies. This survey course explores the archetypal stories by which human consciousness shapes a sense of order and belonging in the natural and supernatural worlds.

Emphasis will be given to the Shaman as storyteller, as living bridge between two worlds, as healer and shaper of community and culture.

This course may be taken 1 time for credit.

Course classification: LDC

HUM205 World Mythlgy & Religion 3 credits (3 lec hrs/wk)

A consideration of the great myths of India and the Far East. This survey course will explore the foundation myths and the sacred texts which give rise to and inform the great religions of the region, particularly Hinduism and the vehicles of Buddhism. Consideration will also be given to the indigenous myths of the Orient and the ways of life they support (i.e., Shinto, Daoism, Confucianism).

This course may be taken 1 time for credit.

Course classification: LDC

HUM206 World Mythlgy & Religion 3 credits (3 lec hrs/wk)

Treats the great myths and religions of Egypt and the fertile crescent.

This survey course also treats Celtic and Nordic beliefs indigenous to Europe, and the mystery religions of Greece. The influence of the ancient myths of early pastoral and agrarian cultures on the Hebrew, Islamic and Christian religions, will be considered, as well as the departure those religions make from the mythic character of the world from which they emerged.

This course may be taken 1 time for credit.

Course classification: LDC

HUM280 CWE: Humanities 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

Journalism (J)

J180 Internship: Journalism 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

J203 Writing for Media I 3 credits (3 lec hrs/wk)

Introduction to and grounding in Associated Press style and usage for newspaper writers. Introduction to and practice in writing leads for various types of media coverage and in formatting stories in media inverted pyramid style.

This course may be taken 1 time for credit.

Course classification: LDC

J205 Writing for Media II 3 credits (3 lec hrs/wk)

Introduction to and grounding in Associated Press style and usage for newspaper writers. Introduction to and practice in writing leads for various types of media coverage and in formatting stories in media inverted pyramid style.

This course may be taken 1 time for credit.

Course classification: LDC

J215 Publishing Lab 3 credits (2 lec, 3 lab hrs/wk)

Publishing Lab teaches basic journalism skills and technologies to students. Students participate in writing, designing and formatting the Southwester, the College's student newspaper. Students work together in a simulated newsroom setting to produce the paper approximately every three weeks.

This course may be taken 6 times for credit.

Course classification: LDC

J280 CWE: Journalism 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

This course offers career exploration and workplace experience within a widely defined number of supervised settings which provide professional experience in the field of journalism.

This course may be taken 12 times for credit.

Course classification: LDC

Library Science (LIB)

LIB127 Navigating the 24/7 Library 1 credit (1 lec, 3 lab hrs/wk)

This course helps students navigate the current information landscape, where resources are often available 24 hours a day and seven days a week. Students learn how to access digital and print resources used for academic research and how to search appropriate resources effectively and efficiently by using basic and advanced search techniques. Students conduct electronic searches to find both online and print materials by using the library's catalog, periodical databases, reference databases, and the Internet. Students evaluate the usefulness of information in terms of an academic research question, access information both in print and online, and write an annotated bibliography. Topics for discussion include the ethics of using information, the analysis of a research question, and the development of a research plan.

This course may be taken 1 time for credit.

Course classification: LDC

LIB180 Internship Library 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

Machine Tool (MT)

MT101 Machine Tool Processes I 3 credits (1 lec, 4 lec lab hrs/wk)

Prerequisite(s): (WLD101)

Introduce machine tool technology including an overview of manual lathes and milling machines, drill presses and grinders and basic measurements. The function, basic operation and set-up will be studied.

This course may be taken 1 time for credit.

Course classification: CTE

MT102 Machine Tool Processes II 3 credits (1 lec, 4 lec lab hrs/wk)

Prerequisite(s): (MT101)

This second course in this sequence continues the study of machine tool operations and set-up, with emphasis on the vertical milling machines, tool sharpening by hand, and advanced lathe set-ups such as threading and tapering. Machine theory and precision measurement is studied and applied. Students gain sound understanding of why machine tools are the basis of manufacturing.

This course may be taken 1 time for credit.

Course classification: CTE

MT103 Machine Tool Processes III 3 credits (1 lec, 4 lec lab hrs/wk)

Prerequisite(s): (MT101 and MT102)

In this third course of the basic sequence, the student will study the operation and set-up of the tool and cutter, grinder, the surface grinder and the horizontal bandsaw. Provides students with an opportunity to apply the skills developed in the two previous MT courses. Students will have the necessary understanding of why machine tools are the basis of manufacturing. More advanced machine set-ups will be studied and applied. The students will gain basic skills in the area of computer usage in the machine shop.

This course may be taken 1 time for credit.

Course classification: CTE

MT9228 Machine Tool Workshop 0.25-3 credits (8 lab hrs/wk/cr)

This course emphasizes operation and set-ups of the lathe, milling machines, grinders and other machines in the shop. Student projects provide further practices in skills for tool grinding, turning, boring, and milling operations. Special tools and materials to be provided by the student. The student will plan projects and machine the parts according to specifications.

This course may be taken 9 times for credit.

Course classification: CTE

Manufacturing Technology (MFG)

MFG100 Industrial Safety 2 credits (2 lec hrs/wk)

Students learn the essential skills needed to develop and maintain safe work habits in various industrial workplaces following OR-OSHA guidelines, including general accident prevention. Students demonstrate safe use of tools/equipment commonly found in a variety of manufacturing and construction industries. Emphasis will be put on safety procedures leading to sustainable practices and results.

This course may be taken 1 time for credit.

Course classification: CTE

MFG180 Internship: Manufacturing 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore the variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

MFG280 CWE: Manufacturing 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

The student is required to be employed in a manufacturing-related position for an organization or company utilizing manufacturing principles, methods, techniques, and/or skills.

This course may be taken 12 times for credit.

Course classification: CTE

MFG4101 Electrical Systems Troubleshooting 3 credits (2 lec, 2 lec lab hrs/wk)

This course covers information on basic DC and AC electrical theory, definitions, basic component identification and analysis of series, parallel and combination circuits. Emphasis is placed on practical application, troubleshooting and problem solving. Students learn to troubleshoot common electrical problems in industry, such as low voltage, high voltage, open circuits, high resistance shorts to ground and current/voltage unbalance. Emphasis is on prevention of electrical energy waste.

This course may be taken 1 time for credit.

Course classification: CTE

MFG4102 Mechanical Systems 3 credits (2 lec, 2 lec lab hrs/wk)

This course focuses on learning the fundamentals of mechanical power. Students learn common mechanical components from nuts and bolts to gears, gear boxes, shafts and bearings. Students perform common mechanical tasks, and learn to fine-tune drive systems involving belts, chains, etc. This course demonstrates the importance of lubrication in maintaining gears and other movable parts, and emphasizes operations to reduce friction and wasted motion, which are major contributors to energy inefficiency.

This course may be taken 1 time for credit.

Course classification: CTE

MFG4103 Fluid Power 3 credits (2 lec, 2 lec lab hrs/wk)

This course provides an introduction to hydraulic schematics, troubleshooting common hydraulic problems and maintaining hydraulic systems used in a variety of production applications. It also provides an introduction to operating a pneumatic system, including maintenance and troubleshooting procedures. Students learn to read, interpret, and construct fluid systems schematic diagrams containing pneumatic and hydraulic component systems. Emphasis will be on operation of fluid power systems for energy savings and pollution controls.

This course may be taken 1 time for credit.

Course classification: CTE

Mathematics (MTH)

For information about Southwestern's math placement process or math pathways please visit the Southwestern placement information page (<https://www.socc.edu/esps>) or ESPS in Stensland Hall at 541-888-7405.

It is highly important that students consult with their advisor to make sure they are following the appropriate mathematics path needed for their chosen degree.

MTH105 Math in Society 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH95) or (MTH98)

Math in Society is a rigorous mathematics course designed for students in liberal arts and humanities majors. The course provides a solid foundation in quantitative reasoning, symbolic reasoning, and problem-solving techniques. Topics include financial literacy, probability, statistics, problem solving, and logic.

This course may be taken 1 time for credit.

Course classification: LDC

MTH111 College Algebra 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH95)

A study of the concepts and principles considered in precalculus. Topics include: Solution of equations and inequalities, analysis of functions and their graphs; polynomial and rational functions and their graphs; exponential and logarithmic functions and their graphs; systems of linear equations.

This course may be taken 1 time for credit.

Course classification: LDC

MTH111H College Algebra w/Honors 4 credits (4 lec hrs/wk)

A study of the concepts and principles considered in precalculus. Topics include: Solution of equations and inequalities; analysis of functions and their graphs; polynomial and rational functions and their graphs; exponential and logarithmic functions and their graphs; systems of linear equations.

This course may be taken 1 time for credit.

Course classification: LDC

MTH112 Trigonometry 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH111)

A study of the concepts and principles in precalculus. Topics include: Trigonometric functions and their graphs; trigonometric identities, equations, and formulas; oblique-triangle trigonometry; complex numbers and DeMoivre's theorem; sequences and series.

This course may be taken 1 time for credit.

Course classification: LDC

MTH112H Trigonometry w/Honors 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH111)

A study of the concepts and principles considered in precalculus. Topics include: Trigonometric functions and their graphs; trigonometric identities, equations, and formulas; oblique-triangle trigonometry; complex numbers and DeMoivre's theorem; sequences and series.

This course may be taken 1 time for credit.

Course classification: LDC

MTH180 Internship: Mathematics 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

MTH20 Basic Mathematics 4 credits (4 lec hrs/wk)

A course designed to (1) introduce students to various applications of basic mathematics and (2) prepare students for elementary algebra by strengthening their foundations in the real number system. Topics include: Whole numbers and their operations; signed numbers and their operations; fraction and decimal notation; ration and proportion; percent notation; geometry; and, an introduction to variables and linear equations.

This course may be taken 1 time for credit.

Course classification: DEV

MTH211 Fundamentals of Elementary 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH95)

A foundation in mathematics for elementary teachers. Topics include: Introduction to problem solving, number systems, number theory, logic, sets, relations, and functions.

This course may be taken 1 time for credit.

Course classification: LDC

MTH212 Fundamentals of Elementary 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH211)

A foundation in mathematics for elementary teachers. Topics include: Rational numbers, exponents, decimals and applications. Probability and statistics will be introduced.

This course may be taken 1 time for credit.

Course classification: LDC

MTH213 Fundamentals of Elementary 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH212)

A foundation in mathematics for elementary teachers. Topics include: Euclidean geometry, constructive geometry, measurement, motion and tessellation.

This course may be taken 1 time for credit.

Course classification: LDC

MTH231 Elements of Discrete Mathematics I 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH251)

Topics include: Propositional calculus (the logic of compound statements), predicate calculus (the logic of quantified statements), elementary number theory and proof methods, sequences and mathematical induction, set theory. The first course of a two-term sequence strongly recommended for computer engineering, computer science and mathematics majors.

This course may be taken 1 time for credit.

Course classification: LDC

MTH232 Elements of Discrete Mathematics II 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH231)

Topics include: Functions, recursion, graphs of functions, coordinate diagrams, order notation, efficiency of algorithms, relations, partially and totally ordered sets, (topological) graph and tree theory. The second course of a two-term sequence strongly recommended for computer engineering, computer science and mathematics majors.

This course may be taken 1 time for credit.

Course classification: LDC

MTH241 Calculus for Bus and Soc Science I 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH111)

Review of functions and their graphs. Overview of limits and continuity. Introduction to differential calculus of polynomial and rational functions. Cover rules and techniques of differentiation. Introduction to first and second derivative tests, curve sketching, and optimization. Applications in the social and manager sciences.

This course may be taken 1 time for credit.

Course classification: LDC

MTH242 Calculus for Bus and Soc Science II 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH241)

Introduction to exponential and logarithmic functions and their derivatives. Uses of exponential and natural logarithmic functions. Introduction to integral calculus of polynomial, rational, exponential, and logarithmic functions. Cover Riemann sums, Fundamental Theorem of Calculus, and techniques of integration. Applications in the social and manager sciences.

This course may be taken 1 time for credit.

Course classification: LDC

MTH243 Intro to Probability and Statistics 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH95)

Introduces elementary statistics techniques to aid decision-making in the business environment. Emphasis is on statistical inference, probability, sampling estimation, and hypothesis testing.

This course may be taken 1 time for credit.

Course classification: LDC

MTH244 Probability & Statistics II 4 credits (4 lec hrs/wk)

Offers a second course open to all majors covering testing two-sample problems linear regression and correlation chi-squared goodness of fit tests one-way and two-way analysis of variance.

This course may be taken 1 time for credit.

Course classification: LDC

MTH251 Calculus I Differential Calculus 4 credits (3 lec, 2 lec lab hrs/wk)

Prerequisite(s): (MTH112)

Topics include: Pre-calculus concepts and principles; limits and their properties, continuous functions; derivatives and their properties; the chain rule implicit differentiation; relative extrema, the first and second derivative tests; applications involving rectilinear motion of a particle and optimization of functions. This course covers the standard differential calculus topics required for engineering, mathematics, and science majors.

This course may be taken 1 time for credit.

Course classification: LDC

MTH251H Calculus I w/Honors 4 credits (3 lec, 2 lec lab hrs/wk)

Prerequisite(s): (MTH112)

Topics include: Pre-calculus concepts and principles; limits and their properties, continuous functions; indeterminate forms and l'Hôpital's rule; derivatives and their properties; the chain rule, implicit differentiation; relative extrema, the first and second derivative tests; applications involving rectilinear motion of a particle and optimization of functions.

This course covers the standard differential calculus topics required for engineering, mathematics, and science majors.

This course may be taken 1 time for credit.

Course classification: LDC

MTH252 Calculus II Integral Calculus 4 credits (3 lec, 2 lec lab hrs/wk)

Prerequisite(s): (MTH251)

Topics include: Antiderivatives, Riemann sums, integrals and their properties; the first and second fundamental theorems of calculus; calculation of length area, volume, work, and resultant force via integration; derivatives and integrals of exponential logarithmic, hyperbolic, and various inverse functions; indeterminate forms and L'Hôpital's rule. This course covers the standard integral calculus topics required for engineering, mathematics, and science majors.

This course may be taken 1 time for credit.

Course classification: LDC

MTH252H Calculus II w/Honors 4 credits (3 lec, 2 lec lab hrs/wk)

Prerequisite(s): (MTH112)

Topics include: Antiderivatives, Riemann sums, integrals and their properties; the first and second fundamental theorems of calculus; calculation of length, area, volume, work, and resultant force via integration; integrals of exponential, logarithmic, hyperbolic, trigonometric and inverse trigonometric functions; integration by substitutions, tables, and by parts. This course covers the standard integral calculus topics required for engineering, mathematics, and science majors.

This course may be taken 1 time for credit.

Course classification: LDC

MTH253 Calculus III 4 credits (3 lec, 2 lec lab hrs/wk)

Prerequisite(s): (MTH252)

Topics include: Principles of integral evaluation, improper integrals; infinite sequences and series; convergence tests for infinite series; Taylor series for functions; translated and rotated conic sections. This course covers the standard sequences and series topics required for engineering, mathematics, and science majors.

This course may be taken 1 time for credit.

Course classification: LDC

MTH253H Calculus III w/Honors 4 credits (3 lec, 2 lec lab hrs/wk)

Prerequisite(s): (MTH252)

Topics include: Improper integrals; differential equations; infinite sequences and series; convergence tests for infinite series; Taylor series for functions; translated and rotated conic sections; polar and parametric equations; calculus in polar and parametric. This course covers the standard sequences and series topics required for engineering, mathematics, and science majors.

This course may be taken 1 time for credit.

Course classification: LDC

MTH254 Vector Calculus I 4 credits (3 lec, 2 lec lab hrs/wk)

Prerequisite(s): (MTH252)

Topics include: Polar coordinates, conic sections, parametric equations; three-dimensional space, analytic geometry, vector algebra; space curves, vector-valued functions, vector calculus.

This course may be taken 1 time for credit.

Course classification: LDC

MTH254H Vector Calculus I w/Honors 4 credits (3 lec hrs/wk)

Topics include three-dimensional space and coordinate systems, analytic geometry, vector algebra, space curves, surfaces, vector-valued functions, vector calculus, parametrizations, curvature, functions of several variables, and derivatives of functions of several variables.

This course may be taken 1 time for credit.

Course classification: LDC

MTH255 Vector Calculus II 4 credits (3 lec, 2 lec lab hrs/wk)

Prerequisite(s): (MTH254)

Topics include: Functions of several variables, partial derivatives; iterated integration, multiple integrals; divergence and curl of vector fields, line and surface integrals; Green's, Gauss', and Stokes' theorems.

This course may be taken 1 time for credit.

Course classification: LDC

MTH256 Differential Equations 4 credits (3 lec, 2 lec lab hrs/wk)

Prerequisite(s): (MTH253)

Topics include: First-order linear and nonlinear ODE's; second-order linear ODE's; series solutions to second-order linear ODE's; Laplace transforms; systems of linear ODE's.

This course may be taken 1 time for credit.

Course classification: LDC

MTH260 Matrix Methods and Linear Algebra 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH252)

Topics include: Matrix concepts and algebra; determinants and inverses of matrices; solution methods for systems of linear equations; linear independence linear transformations and vector spaces; bases and coordinates; eigenvalues and eigenvectors; diagonalization of matrices.

This course covers the standard linear algebra topics required for engineering, mathematics, and science majors.

This course may be taken 1 time for credit.

Course classification: LDC

MTH280 CWE: Math 1-12 credits (3 lab hrs/wk/cr)

Practical worksite exposure to applied science, which provides students an opportunity to explore potential career paths in science while gaining practical experience in applying classroom science theory.

This course may be taken 12 times for credit.

Course classification: LDC

MTH55 Introductory Technical Mathematics 4 credits (4 lec hrs/wk)

This course mathematics topics including whole numbers and their operations, signed numbers and their operations, fraction and decimal notation, ratio and proportion, percent notation, 2-D geometry, and introduction to variables and linear equations and their application in technical scenarios involving measurement precision and accuracy, materials consumption, labor and production estimates, product design, dimensioning and tolerances, economical layout, and takeoffs and estimates. Offered by the mathematics department in cooperation with the career technical education faculty.

This course may be taken 1 time for credit.

Course classification: DEV

MTH60 Algebra I 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH20)

A study of the concepts and principles considered in algebra. Topics include: Signed numbers; algebraic expressions; linear equations and inequalities; polynomial expressions, operations, and factorizations; quadratic equations.

This course may be taken 1 time for credit.

Course classification: DEV

MTH65 Algebra II 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH60)

A study of the concepts and principles considered in algebra. Topics include: Graphing linear equations and functions; factoring; solving polynomial equations; rational expressions, equations, and functions; and systems of linear equations and matrices.

This course may be taken 1 time for credit.

Course classification: DEV

MTH80 Technical Mathematics I 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH20) or (MTH55)

This course includes basic algebraic concepts and their application in technical scenarios involving measurement precision and accuracy, materials consumption, labor and production estimates, product design, dimensioning and tolerances, economical layout, takeoffs and estimates, and metal bending and stretchouts. Offered by the mathematics department in cooperation with the career technical education faculty.

This course may be taken 1 time for credit.

Course classification: DEV

MTH81 Applied Mathematics for Culinary 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH20) or (MTH55)

Includes basic algebraic concepts with culinary applications, basic statistics and graphing, graphing in a rectangular coordinate system, and weights, measures and metric conversion. Offered by the mathematics department in cooperation with the culinary education faculty. Enrollment in the culinary program required as a co-requisite for this course.

This course may be taken 1 time for credit.

Course classification: DEV

MTH82 Business Mathematics 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH20)

This course includes basic algebraic concepts and their application in business scenarios involving discounts, pricing and inventory control, payrolls and banking, simple and compound interest, billing, accounting, taxes, and depreciation. Offered by the mathematics department in cooperation with the business faculty.

This course may be taken 1 time for credit.

Course classification: DEV

MTH86 Computer Technology Mathematics 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH60)

This course introduces students to the foundational mathematics of the computer industry. Mathematic topics including scientific notation, decimal, binary and hexadecimal arithmetic, sets and logic, and Boolean Algebra and their applications in the computer industry will be covered. Offered by the mathematics department in cooperation with CS/CIS faculty.

This course may be taken 1 time for credit.

Course classification: DEV

MTH95 Intermediate Algebra 4 credits (4 lec hrs/wk)

Prerequisite(s): (MTH65)

A study of the concepts and principles considered in intermediate algebra. Topics include: Radical expressions and equations, complex numbers, quadratic equations, quadratic functions and their graphs, conic sections; absolute value equations and inequalities; absolute value functions and their graphs.

This course may be taken 1 time for credit.

Course classification: DEV

MTH98 Math Literacy 4 credits (4 lec hrs/wk)

Math Literacy is a course designed for liberal arts and humanities majors. This course develops quantitative reasoning, modeling, and problem solving skills needed in MTH105 and in other college courses in programs not requiring calculus. For students not needing calculus, MTH98 is an alternative to MTH 60/65/95 as a pathway to MTH105. Topics include rational numbers and their representations, linear relationships, proportional reasoning, statistics, and probability.

This course may be taken 1 time for credit.

Course classification: DEV

Music (MUS)

MUS101 Music Fundamentals 3 credits (3 lec hrs/wk)

A course to instruct in the fundamentals of music. A preparatory course for private instruction, ensemble participation and for a better understanding of music and music history. Music fundamentals, scales, key signatures, meter, notation, chords, non-harmonics, introduction to piano, and sight singing. Recommended for music minors, beginning musicians and preparatory for some music majors. (Contact music advisor for proper placement.)

This course may be taken 1 time for credit.

Course classification: LDC

MUS111 Music Theory I 3 credits (3 lec hrs/wk)

Corequisite(s): (MUS131)

A course to instruct in the fundamentals of music, figured bass analysis, four-part composition, chords with sevenths, secondary dominants, modulation and basic musical forms. This is a preparatory course for private instruction, for ensemble participation, and for a better understanding of music and music history. Required for music majors and minors, recommended for beginning and intermediate musicians.

This course may be taken 1 time for credit.

Course classification: LDC

MUS112 Music Theory II 3 credits (3 lec hrs/wk)

Prerequisite(s): (MUS111)

Corequisite(s): (MUS132)

A course to instruct in the fundamentals of music, figured bass analysis, four-part composition, chords with sevenths, secondary dominants, modulation and basic musical forms. This is a preparatory course for private instruction, for ensemble participation, and for a better understanding of music and music history. Required for music majors and minors, recommended for beginning and intermediate musicians.

This course may be taken 1 time for credit.

Course classification: LDC

MUS113 Music Theory III 3 credits (3 lec hrs/wk)

Prerequisite(s): (MUS112)

Corequisite(s): (MUS133)

A course to instruct in the fundamentals of music, figured bass analysis, four-part composition, chords with sevenths, secondary dominants, modulation and basic musical forms. This is a preparatory course for private instruction, for ensemble participation, and for a better understanding of music and music history. Required for music majors and minors, recommended for beginning and intermediate musicians.

This course may be taken 1 time for credit.

Course classification: LDC

MUS114 Aural Skills I 1 credit (2 lec lab hrs/wk)

Corequisite(s): (MUS111)

Learn to hear music and identify tones and chords (dictation), transfer music notation and communicate notation by voice (sight singing). Learn to hear what we see (sight singing) and be able to see what we hear (dictation).

This course may be taken 1 time for credit.

Course classification: LDC

MUS115 Aural Skills I 1 credit (2 lec lab hrs/wk)

Prerequisite(s): (MUS114)

Corequisite(s): (MUS112)

Learn to hear music and identify tones and chords (dictation), transfer music notation and communicate notation by voice (sight singing). Learn to hear what we see (sight singing) and be able to see what we hear (dictation).

This course may be taken 1 time for credit.

Course classification: LDC

MUS116 Aural Skills I 1 credit (2 lec lab hrs/wk)

Prerequisite(s): (MUS115)

Corequisite(s): (MUS113)

Learn to hear music and identify tones and chords (dictation), transfer music notation and communicate notation by voice (sight singing). Learn to hear what we see (sight singing) and be able to see what we hear (dictation).

This course may be taken 1 time for credit.

Course classification: LDC

MUS118 Music and Computers 3 credits (3 lec hrs/wk)

This course is designed to give students a fundamental understanding of how computers are used in the music field. Students will be introduced to MIDI (Musical Instrument Digital Interface) which is an industry standard protocol utilized by all digital music instruments. In addition, students will be introduced to various software packages that make use of this MIDI technology. Students will also be given hands-on experience working with a computer and digital musical instruments and sound modules culminating in their ability to set up their own MIDI studio, or work in a MIDI studio that is already in place (i.e. a recording studio or educational classroom).

This course may be taken 1 time for credit.

Course classification: LDC

MUS131 Piano Class 1 credit (2 lec lab hrs/wk)

Corequisite(s): (MUS111)

Piano basics and music fundamentals. Learn to read notes, basic music symbols, perform simple chords, major scales, and repertoire. Simple transposition and harmonization will also be taught.

This course may be taken 3 times for credit.

Course classification: LDC

MUS132 Piano Class 1 credit (2 lec lab hrs/wk)

Prerequisite(s): (MUS131)

Corequisite(s): (MUS112)

Based upon continuing the work in MUS131, all major keys - introduction to minor keys. Performance of chord progressions in major and minor keys, transposition, simple modulations using deceptive cadences, sight reading and repertoire. This course is taught in conjunction with MUS112.

This course may be taken 3 times for credit.

Course classification: LDC

MUS133 Piano Class 1 credit (2 lec lab hrs/wk)

Prerequisite(s): (MUS132)

Corequisite(s): (MUS113)

Based upon continuing the work in MUS132, all major and minor keys. Performance of chord progressions in all keys, transposition, simple manipulations, sight reading and repertoire.

This course may be taken 1 time for credit.

Course classification: LDC

MUS134 Voice Class 1 credit (1 lec hrs/wk)

A study of vocal basics. An introduction to music fundamentals, tone production, abdominal breathing, vowel-consonant clarity and relaxation techniques.

This course may be taken 1 time for credit.

Course classification: LDC

MUS137 Guitar Class 1 credit (1 lec hrs/wk)

Guitar basics and music fundamentals. Learn to read notes, basic music symbols, perform simple to advanced chords, strumming-picking techniques and "barring." Introduction to classical guitar methods.

This course may be taken 3 times for credit.

Course classification: LDC

MUS161 Jazz Improvisation 1 credit (2 lec lab hrs/wk)

Corequisite(s): (MUP105)

Blues and beginning improvisation. Listening, theory demonstration, explanation and using improv in performance.

This course may be taken 1 time for credit.

Course classification: LDC

MUS170 Introduction to Recording Technique 3 credits (2 lec, 2 lec lab hrs/wk)

This course is designed to teach students how to record music using state of the art digital recording equipment. The use of industry standard digital recording software, in conjunction with a computer and mixing equipment, will be utilized in a limited "hands on" environment. Topics of instruction will include, microphone placement, basic acoustic principles, multiple tracking techniques including bouncing and splitting, mixing multiple tracks into two tracks (stereo), working with analog and digital signals, final- and post-production of recordings, making CD's, syncing to video recordings, etc.

This course may be taken 1 time for credit.

Course classification: LDC

MUS180 Internship: Music 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

MUS201 Intro to Music and its Literature 3 credits (3 lec hrs/wk)

The study of musical styles and the historical context of music from Antiquity through the Renaissance. Emphasis is on the examination and subsequent appreciation of the music literature and the composers who wrote that music in these time periods. Listening skills for music will also be developed, concentrating on the development of a deeper understanding of music and its role in the cultural context of various historical time periods.

This course may be taken 1 time for credit.

Course classification: LDC

MUS202 Intro to Music and its Literature 3 credits (3 lec hrs/wk)

The study of musical styles and the historical context of music from the Early Baroque Period through the late Classical Period. Emphasis is on the examination and subsequent appreciation of the music literature and the composers who wrote the music in these time periods. Listening skills for music will also be developed, concentrating on the development of a deeper understanding of music and its role in the cultural context of the various historical time periods.

This course may be taken 1 time for credit.

Course classification: LDC

MUS203 Intro to Music and its Literature 3 credits (3 lec hrs/wk)

The study of musical styles and the historical context of music from the Romantic Period (1827 to 1900) through the twentieth century and into the twenty-first century. Emphasis is on the examination and subsequent appreciation of the music literature and the composers who wrote that music in these time periods. Listening skills for music will also be developed, concentrating on the development of a deeper understanding of music and its role in the cultural context of the various historical time periods.

This course may be taken 1 time for credit.

Course classification: LDC

MUS205 Intro to Jazz History 3 credits (3 lec hrs/wk)

An introduction to the one true American music genre. Exploring the beginning of jazz, early blues, Dixieland, the big band era, bebop, fusion, free form jazz, contemporary jazz, and straight ahead jazz. Students will also be introduced to rhythm and blues, gospel and early rock and roll.

This course has been approved to meet the Cultural Literacy requirement.

This course may be taken 1 time for credit.

Course classification: LDC

MUS206 Intro to History of Rock and Roll 3 credits (3 lec hrs/wk)

A survey of rock music from its origins to the present as revealed through the study of the most innovative and influential artists of this American musical form. Emphasis is placed on building listening and comprehension skills through listening to rock and roll, in-class discussion of the music, class assignments, research, and reading of the text.

This course may be taken 1 time for credit.

Course classification: LDC

MUS207 The Beatles and Their Music 3 credits (3 lec hrs/wk)

The Beatles rose to prominence in the 1960's and this course will look at how they got started, following them through the British Invasion culminating in their final roof-top concert at Abbey Road studios and their final album "Let It Be" which was released in 1970. While looking at the drug counter-culture as only part of the myth that surrounds the Beatles, this course will also look at how their music came together both on the road and in the recording studio. It will also examine how and why their music is still popular today, 50 years after their first #1 hit!

This course may be taken 1 time for credit.

Course classification: LDC

MUS211 Advanced Music Theory I 3 credits (3 lec hrs/wk)

Prerequisite(s): (MUS113)

Corequisite(s): (MUS224)

A study of music that includes the extended diatonic and chromatic harmonies indicative of the Late Baroque, Classical and early Romantic Periods. Included in this study is the writing of four-part SATB part writing, analysis of form, melody and harmony including the use of secondary dominants, modulation, neapolitan harmonies and mode mixture. Larger forms such as Rondo and Sonata Allegro will also be introduced.

This course may be taken 1 time for credit.

Course classification: LDC

MUS212 Advanced Music Theory II 3 credits (3 lec hrs/wk)

Prerequisite(s): (MUS211)

Corequisite(s): (MUS225)

A study of polyphony, counterpoint, chromatic chords and twentieth century composition.

This course may be taken 1 time for credit.

Course classification: LDC

MUS213 Advanced Music Theory III 3 credits (3 lec hrs/wk)

Prerequisite(s): (MUS212)

Corequisite(s): (MUS226)

A study of polyphony, counterpoint, extended and chromatically altered chords and twentieth century composition.

This course may be taken 1 time for credit.

Course classification: LDC

MUS221 Arranging I 1 credit (2 lec lab hrs/wk)

Prerequisite(s): (MUS113)

Basic arranging techniques, instrumentation and notation practices for live rhythm section, lead vocal, score preparation, parts preparation, notation and nomenclature in contemporary styles.

This course may be taken 1 time for credit.

Course classification: LDC

MUS222 Arranging II 1 credit (2 lec lab hrs/wk)

Prerequisite(s): (MUS221)

A continuation of rhythm section arranging with the addition of one or two horns; saxophone and trumpet. Discussion of transposition and range on contemporary music styles.

This course may be taken 1 time for credit.

Course classification: LDC

MUS223 Arranging III 1 credit (2 lec lab hrs/wk)

Prerequisite(s): (MUS222)

The third level of this series focuses on various contemporary applications of small horn section writing and rhythm section. Voicings and styles is discussed.

This course may be taken 1 time for credit.

Course classification: LDC

MUS224 Sight Singing Ear Training II 1 credit (2 lec lab hrs/wk)

Prerequisite(s): (MUS116)

Corequisite(s): (MUS211 and MUS231) or (MUS212 and MUS232) or (MUS213 and MUS233)

This class is designed to teach the student to hear, identify, write and sing melodies, chords and rhythm from sight and by listening to melodic and harmonic material played for the student. Music majors take three terms.

This course may be taken 1 time for credit.

Course classification: LDC

MUS225 Sight Singing Ear Training II 1 credit (2 lec lab hrs/wk)

Prerequisite(s): (MUS224)

Corequisite(s): (MUS212 and MUS232)

This class is designed to teach the student to hear, identify, write and sing melodies, chords and rhythm from sight and by listening to melodic and harmonic material played for the student. Music majors take three terms.

This course may be taken 1 time for credit.

Course classification: LDC

MUS226 Sight Singing Ear Training II 1 credit (2 lec lab hrs/wk)

Prerequisite(s): (MUS225)

Corequisite(s): (MUS213 and MUS233)

This class is designed to teach the student to hear, identify, write and sing melodies, chords and rhythm from sight and by listening to melodic and harmonic material played for the student. Music majors take three terms.

This course may be taken 1 time for credit.

Course classification: LDC

MUS280 CWE: Music 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

This course offers career exploration and workplace experience within a widely defined number of supervised settings which provide professional experience in the field of music.

This course may be taken 12 times for credit.

Course classification: LDC

Music Performance (MUP)

MUP105 Jazz Band 1 credit (2 lec lab hrs/wk)

The sounds of the "Big Band" era. This group performs regularly both locally and throughout the State. Audition first class.

This course may be taken 6 times for credit.

Course classification: LDC

MUP114 Stage Band 1 credit (2 lec lab hrs/wk)

A performance ensemble which rehearses and performs the appropriate musical literature chosen by the instructor. Instruction will be given to individuals as well as the ensemble as how to improve the overall musical effect. Pop ballads to jazz both traditional and non-traditional. Intermediate and advanced musicians are admitted. Student may need to audition.

This course may be taken 6 times for credit.

Course classification: LDC

MUP121 Symphonic Choir 1 credit (2 lec lab hrs/wk)

A large choral ensemble performing the works of major composers, encompassing all musical periods and styles. Students may be asked to audition.

This course may be taken 6 times for credit.

Course classification: LDC

MUP125 Vocal Jazz 2 credits (4 lec lab hrs/wk)

Pop ballads, early rock and roll, traditional jazz, and blues will be the material rehearsed and performed by this ensemble. Emphasis will be placed upon the dynamics of live performance.

This course may be taken 6 times for credit.

Course classification: LDC

MUP131 Chamber Choir 2 credits (4 lec lab hrs/wk)

Small choral ensemble performing the major works and the octavo literature of prominent composers of every musical period. Student may be asked to audition.

This course may be taken 6 times for credit.

Course classification: LDC

MUP142 Orchestra 1 credit (2 lec lab hrs/wk)

Strings, woodwinds, brass, and percussion performing the works of composers from every musical period. Intermediate and advanced musicians admitted. Students may be asked to audition.

This course may be taken 6 times for credit.

Course classification: LDC

MUP171 Private Instruction: Piano 1-2 credits (2 lec lab hrs/wk/cr)

Individual lessons are arranged with the instructor, based upon available time and space. Instructor consent is required for all private lessons. All credits for private lessons is transferable. Music majors are expected to have a primary instrument of performance and be enrolled for individual instruction. Lessons are given for all levels of musicianship.

This course may be taken 6 times for credit.

Course classification: LDC

MUP174 Private Instruction: Voice 1-2 credits (2 lec lab hrs/wk/cr)

Individual lessons are arranged with the instructor, based upon available time and space. Instructor consent is required for all private lessons. All credits for private lessons is transferable. Music majors are expected to have a primary instrument of performance and be enrolled for individual instruction. Lessons are given for all levels of musicianship.

This course may be taken 6 times for credit.

Course classification: LDC

MUP175 Private Instruction: Violin 1-2 credits (2 lec lab hrs/wk/cr)

Individual lessons are arranged with the instructor, based upon available time and space. Instructor consent is required for all private lessons. All credits for private lessons is transferable. Music majors are expected to have a primary instrument of performance and be enrolled for individual instruction. Lessons are given for all levels of musicianship.

This course may be taken 6 times for credit.

Course classification: LDC

MUP178 Private Instruction: Bass Guitar 1-2 credits (2 lec lab hrs/wk/cr)

Individual lessons are arranged with the instructor, based upon available time and space. Instructor consent is required for all private lessons. All credits for private lessons is transferable. Music majors are expected to have a primary instrument of performance and be enrolled for individual instruction. Lessons are given for all levels of musicianship.

This course may be taken 6 times for credit.

Course classification: LDC

MUP180 Private Instruction: Guitar 1-2 credits (2 lec lab hrs/wk/cr)

Individual lessons are arranged with the instructor, based upon available time and space. Instructor consent is required for all private lessons. All credits for private lessons is transferable. Music majors are expected to have a primary instrument of performance and be enrolled for individual instruction. Lessons are given for all levels of musicianship.

This course may be taken 6 times for credit.

Course classification: LDC

MUP181 Private Instruction: Flute 1-2 credits (2 lec lab hrs/wk/cr)

Individual lessons are arranged with the instructor, based upon available time and space. Instructor consent is required for all private lessons. All credits for private lessons is transferable. Music majors are expected to have a primary instrument of performance and be enrolled for individual instruction. Lessons are given for all levels of musicianship.

This course may be taken 6 times for credit.

Course classification: LDC

MUP182 Private Instruction: Oboe 1-2 credits (2 lec lab hrs/wk/cr)

Individual lessons are arranged with the instructor, based upon available time and space. Instructor consent is required for all private lessons. All credits for private lessons is transferable. Music majors are expected to have a primary instrument of performance and be enrolled for individual instruction. Lessons are given for all levels of musicianship.

This course may be taken 6 times for credit.

Course classification: LDC

MUP183 Private Instruction: Clarinet 1-2 credits (2 lec lab hrs/wk/cr)

Individual lessons are arranged with the instructor, based upon available time and space. Instructor consent is required for all private lessons. All credits for private lessons is transferable. Music majors are expected to have a primary instrument of performance and be enrolled for individual instruction. Lessons are given for all levels of musicianship.

This course may be taken 6 times for credit.

Course classification: LDC

MUP184 Private Instruction: Saxophone 1-2 credits (2 lec lab hrs/wk/cr)

Individual lessons are arranged with the instructor, based upon available time and space. Instructor consent is required for all private lessons. All credits for private lessons is transferable. Music majors are expected to have a primary instrument of performance and be enrolled for individual instruction. Lessons are given for all levels of musicianship.

This course may be taken 6 times for credit.

Course classification: LDC

MUP287 Private Instruction: French Horn 1-2 credits (2 lec lab hrs/wk/cr)

Individual lessons are arranged with the instructor, based upon available time and space. Instructor consent is required for all private lessons. All credits for private lessons is transferable. Music majors are expected to have a primary instrument of performance and be enrolled for individual instruction. Lessons are given for all levels of musicianship.

This course may be taken 6 times for credit.

Course classification: LDC

MUP288 Private Instruction: Trombone 1-2 credits (2 lec lab hrs/wk/cr)

Individual lessons are arranged with the instructor, based upon available time and space. Instructor consent is required for all private lessons. All credits for private lessons is transferable. Music majors are expected to have a primary instrument of performance and be enrolled for individual instruction. Lessons are given for all levels of musicianship.

This course may be taken 6 times for credit.

Course classification: LDC

MUP291 Individual Lessons: Percussion 1-2 credits (2 lec lab hrs/wk/cr)

Individual lessons are arranged with the instructor, based upon available time and space. Instructor consent is required for all private lessons. All credits for private lessons is transferable. Music majors are expected to have a primary instrument of performance and be enrolled for individual instruction. Lessons are given for all levels of musicianship.

This course may be taken 6 times for credit.

Course classification: LDC

Natural Resources (NR)

NR180 Internship: Natural Resources 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

NR201 Managing Natural Res for the Future 3 credits (3 lec hrs/wk)

This course offers an overview of the complexities involved in managing natural resources in the Pacific Northwest and elsewhere, exposure to major natural resources issues, and development of critical thinking skills useful in seeking solutions.

This course may be taken 1 time for credit.

Course classification: LDC

NR260 Watershed Processes 4 credits (3 lec, 3 lab hrs/wk)

This course is about learning both the concepts and physical processes of water movement as well as the techniques to solve hydrologic problems and analyze hydrologic data. This class has a quantitative component. Covering quantify rates of water exchange between the atmosphere, the ground, and the ocean. The class is structured around the hydrologic cycle, which can be pictured as a set of linked processes that cycle water between the ocean, atmosphere, and land surface. We will examine the individual components of the hydrologic cycle, as well as interactions between these components.

This course may be taken 1 time for credit.

Course classification: LDC

NR280 CWE: Natural Resources 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: LDC

Nursing - CNA (NUR)

NUR120 Nursing Assistant Level 1 9 credits (5 lec, 12 lab hrs/wk)

Prerequisite(s): Instructor consent

This course prepares students to work as nursing assistants in long-term care facilities, home care, hospitals and adult foster homes. It consists of a minimum of 187 hours of instruction and work experience in a licensed nursing facility. The course prepares students for eligibility to take the State certification examination to become a Certified Nursing Assistant 1 (CNA 1).

This course may be taken 1 time for credit.

Course classification: CTE

NUR180 Internship: Nursing CNA 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

NUR220 Certified Nursing Assistant Level 2 5 credits (3 lec, 6 lab hrs/wk)

Prerequisite(s): Instructor consent

The course is for the currently Certified Nursing Assistant 1 who assists licensed nursing personnel in the provision of nursing care. This course will expand the breadth and depth of the Certified Nursing Assistant 1's knowledge, skills and abilities. It will prepare the CNA 1 for certification for CNA-2 Acute Care as specified by the Oregon State Board of Nursing.

This course may be taken 1 time for credit.

Course classification: CTE

NUR280 CWE: Nursing CNA 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

NUR9195 Home Health Care Aide 3 credits (2 lec, 2 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course prepares students for an entry-level position as a home health care aide in residential community and in-home care settings. Students will learn to assist elderly or disabled adults with daily living activities at the person's home or in a daytime non-residential facility.

This course may be taken 1 time for credit.

Course classification: CTE

Nursing (NRS)

NRS110 Foundations of Nursing Health 9 credits (5 lec, 3 lab, 10 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course introduces the learner to the framework of the Oregon Consortium for Nursing Education (OCNE) curriculum. The emphasis on health promotion across the life span includes learning about self-health as well as client health practices. To support self- and client-health practices, students learn to access research evidence about healthy lifestyle patterns and risk factors for disease/illness, apply growth and development theory, interview clients in a culturally sensitive manner, work as members of a multidisciplinary team giving and receiving feedback about performance, and use reflective thinking about their practice as nursing students. Populations studied in the course include children, adults, older adults and the family experiencing a normal pregnancy. Includes classroom and clinical learning experiences.

This course may be taken 1 time for credit.

Course classification: CTE

NRS111 Found of Nrsng in Chronic Illness I 6-3 credits (3 lec, 3 lab, 9 lec lab hrs/wk/cr)

Prerequisite(s): (NRS110), or instructor consent

Corequisite(s): (NRS230 and NRS232)

This course introduces chronic illness assessment and interventions across the life span. The client and family's 'lived experience' of the illness, practice guidelines, and research evidence are used to guide clinical judgment in the care of the chronically ill. Roles of the multidisciplinary team and legal aspects of delegation are explored.

This course may be taken 1 time for credit.

Course classification: CTE

NRS112 Found of Nrsng in Acute I 6 credits (3 lec, 3 lab, 9 lec lab hrs/wk)

Prerequisite(s): (NRS110 and NRS111 and NRS230 and NRS232), or instructor consent

Corequisite(s): (NRS231 and NRS233)

This course introduces the learner to assessment and common interventions (including relevant technical procedures) for care of patients across the life span who require acute care, including: Pregnancy complications, normal childbirth, and neonatal care. Disease/illness trajectories and their translation into clinical practice guidelines and/or standard procedures are considered in relation to their impact on providing culturally sensitive, client-centered care as developed in the classroom and during clinical learning experiences.

This course may be taken 1 time for credit.

Course classification: CTE

NRS115 LPN Transition to OCNE 6 credits (5 lec, 3 lab hrs/wk)

Prerequisite(s): (NRS230 and NRS232), or instructor consent

Corequisite(s): (NRS231 and NRS233)

This course introduces the learner to the framework of the College and the Oregon Consortium for Nursing Education (OCNE) curriculum including the OCNE competencies, benchmarks and the clinical judgment model. The student is introduced to the role and practice of the registered nurse. Concepts and applicability of the ANA Code of Ethics will be emphasized. Students will be introduced to evidenced-based care including levels of evidence. Concepts of health promotion, chronic care and acute care as applied to nursing practice will be explored. Case studies will be used to provide students opportunities to demonstrate critical thinking in the provision of patient care. The course includes classroom, simulation and lab learning experiences including evaluation of certain learning skills.

This course may be taken 1 time for credit.

Course classification: LDC

NRS121 Nursing Concepts and Clinical 1 credit (2 lec lab hrs/wk)

Prerequisite(s): Instructor consent

Introduces concepts of the Southwestern Oregon Community College and OCNE nursing curriculum and reviews previously learned information and skills for students who have previous nursing education.

This course may be taken 1 time for credit.

Course classification: CTE

NRS180 Internship: Nursing 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore the variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

NRS221 Found of Nrsng in Chronic Illness II 9 credits (5 lec, 3 lab, 10 lec lab hrs/wk)

Prerequisite(s): (NRS222), or instructor consent

This course builds on Foundations of Nursing in Chronic Illness I. Chronic Illness II expands the student's knowledge related to family care giving, symptom management and end of life concepts. These concepts are a major focus and basis for nursing interventions with patients and families. Ethical issues related to advocacy, self determination and autonomy are explored. Complex skills associated with the assessment and management of concurrent illnesses and conditions are developed within the context of client and family preferences and needs. Skills related to enhancing communication and collaboration as a member of an interdisciplinary team are further explored. Exemplars include patients with chronic mental illness and addictions as well as other chronic conditions and disabilities affecting functional status and family relationships. The course includes classroom and clinical learning experiences.

This course may be taken 1 time for credit.

Course classification: CTE

NRS222 Found of Nrsng in Acute Care II 9 credits (5 lec, 3 lab, 10 lec lab hrs/wk)

Prerequisite(s): (NRS112 and NRS231 and NRS233), or instructor consent

This course builds on Nursing in Acute Care I, focusing on more complex and/or unstable patient care conditions, some of which may result in death. These patient care conditions require strong noticing and rapid decision making skills. Evidence base is used to support appropriate focused assessments, and effective, efficient nursing interventions. Life span and developmental factors, cultural variables, and legal aspects of care frame the ethical decision-making employed in patient choices for treatment or palliative care within the acute care setting. Case scenarios incorporate prioritizing care needs, delegation and supervision, and family and patient teaching for either discharge planning or end-of-life care. Exemplars include acute conditions affecting multiple body systems. Includes classroom and clinical learning experiences.

This course may be taken 1 time for credit.

Course classification: CTE

NRS224 Scope of Practice/Integrated Pract 9 credits (2 lec, 21 lab hrs/wk)

Prerequisite(s): (NRS221), or instructor consent

This course is designed to formalize the clinical judgments, knowledge and skills necessary in safe, registered nurse practice. Faculty/Clinical Teaching Associate/Student Triad Model provides a context that allows the student to experience the nursing work world in a selected setting, balancing demands of job and lifelong learner. Analysis and reflection throughout the clinical experience provide the student with evaluative criteria against which they can judge their own performance and develop a practice framework. Includes seminar, self-directed study and clinical experience.

This course may be taken 1 time for credit.

Course classification: CTE

NRS230 Clinical Pharmacology I 3 credits (3 lec hrs/wk)

Prerequisite(s): (BI231 and BI232 and BI233 and BI234 and NRS110), or instructor consent

Corequisite(s): (NRS111 and NRS232)

This course introduces the theoretical background that enables students to provide safe and effective care related to drugs and natural products to persons throughout the life span. It includes the foundational concepts of principles of pharmacology, nonopioid analgesics, and antibiotics, as well as additional classes of drugs. Students will learn to make selected clinical decisions in the context of nursing regarding using current, reliable sources of information, understanding of pharmacokinetics and pharmacodynamics, developmental physiologic considerations, monitoring and evaluating the effectiveness of drug therapy, teaching persons from diverse populations regarding safe and effective use of drugs and natural products, intervening to increase therapeutic benefits and reduce negative effects, and communicating appropriately with other health professionals regarding drug therapy. Drugs are studied by therapeutic or pharmacological class using an organized framework. This course may be taken 1 time for credit.

Course classification: CTE

NRS231 Clinical Pharmacology II 3 credits (3 lec hrs/wk)

Prerequisite(s): (NRS230), or instructor consent

Corequisite(s): (NRS112 and NRS233)

This sequel to Clinical Pharmacology I continues to provide the theoretical background that enables students to provide safe and effective care related to drugs and natural products to persons throughout the life span. Students will learn to make selected clinical decisions in the context of nursing regarding using current, reliable sources of information, monitoring and evaluating the effectiveness of drug therapy, teaching persons from diverse populations regarding safe and effective use of drugs and natural products, intervening to increase therapeutic benefits and reduce potential negative effects, and communicating appropriately with other health professionals regarding drug therapy. The course addresses additional classes of drugs and related natural products not contained in Clinical Pharmacology I. This course may be taken 1 time for credit.

Course classification: CTE

NRS232 Pathophysiological Processes I 3 credits (3 lec hrs/wk)

Prerequisite(s): (BI231 and BI232 and BI233 and BI234 and NRS110), or instructor consent

Corequisite(s): (NRS111 and NRS230)

This course introduces pathophysiological processes that contribute to many different disease states across the life span and human responses to those processes. It includes the foundational concepts of cellular adaptation, injury, and death; inflammation and tissue healing; fluid and electrolyte imbalances; and physiologic response to stressors and pain, as well as additional pathophysiological processes. Students will learn to make selective clinical decisions in the context of nursing using current, reliable sources of pathophysiology information, selecting and interpreting focused nursing assessments based on knowledge of pathophysiological processes, teaching persons from diverse populations regarding pathophysiological processes, and communicating with other health professionals regarding pathophysiological processes. This course may be taken 1 time for credit.

Course classification: CTE

NRS233 Pathophysiological Processes II 3 credits (3 lec hrs/wk)

Prerequisite(s): (NRS232), or instructor consent

Corequisite(s): (NRS112 and NRS231)

This sequel to Pathophysiological Processes I continues to explore pathophysiological processes that contribute to disease states across the life span and human responses to those processes. Students will learn to make selected clinical decisions in the context of nursing using current, reliable sources of pathophysiology information, selecting and interpreting focused nursing assessments based on knowledge of pathophysiological processes, teaching persons from diverse populations regarding pathophysiological processes, and communicating with other health professionals regarding pathophysiological processes. The course addresses additional pathophysiological processes not contained in Pathophysiological Processes I. This course may be taken 1 time for credit.

Course classification: CTE

NRS280 CWE: Nursing 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

Occupational Skills Training (OST)

OST101 Occupational Skills Training 1-16 credits (1 lec hrs/wk/cr)

Prerequisite(s): Instructor consent

Provides the opportunity for students to receive instruction in a specific occupational area not normally addressed by on-going Southwestern programs. An individualized course in consultation with the student, Southwestern faculty, Southwestern internship coordinator, CTE dean, worksite supervisors, and agency representatives(s), if appropriate. An interview with the CTE dean is required for assessment, to determine the specific occupation and to approve a suitable training site and its availability. Prerequisites are determined by the specific occupational standards. Students train at off-campus sites under the supervision of a skilled trainer. Training is comprised of demonstration and hands-on experience. Related classroom instruction may be included if prescribed in the approved training plan. This is an open entry/open exit program with no breaks for traditional school vacations. Length of program depends on the skill being taught.

This course may be taken 99 times for credit.

Course classification: CTE

Office Administration (OA)

OA116 Office Procedures 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS120)

Office Procedures presents the methods, concepts and procedures for business office operation. This includes understanding the office environment and organizing an efficient workplace. It also includes information on office technology, communications, office ethics, scheduling, an overview of records management, meetings, travel and career advancement.

This course may be taken 1 time for credit.

Course classification: CTE

OA121 Beginning Keyboarding 3 credits (3 lec hrs/wk)

Prerequisite(s): (CIS90)

Presents principles of touch-method typing. Typing speed and accuracy are developed through drills. Ergonomics, input devices, keyboard shortcuts, computer software features to improve accuracy, proofreading, patterns of keyboarding errors, typography, and goal setting are included. Lab is available in class and online. Basic letter, memo, table and report formatting are required.

This course may be taken 1 time for credit.

Course classification: CTE

OA124 Keyboard Skill Building 3 credits (3 lec hrs/wk)

Prerequisite(s): (OA121)

Development of speed and accuracy utilizing a diagnostic approach to individual skill assessment and prescribed drill work.

This course may be taken 1 time for credit.

Course classification: CTE

OA180 Internship: Office Administration 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: CTE

OA205 Proofreading and Editing 3 credits (3 lec hrs/wk)

This course is designed to prepare students to proofread and edit business documents. It includes a review of punctuation, capitalization, grammar and spelling as applied to producing and editing commonly used documents found in the business office. Use a reference manual, and learn collaborative document processing techniques.

This course may be taken 1 time for credit.

Course classification: CTE

OA220 Electronic Calculators 1 credit (2 lec lab hrs/wk)

Prerequisite(s): (MTH20)

The student will learn the ten-key system for machine operation and use of electronic, desk-top style calculators in the four fundamentals of math. Four operations are used to solve applied business problems with speed and accuracy.

This course may be taken 1 time for credit.

Course classification: CTE

OA240 Filing and Records Management 3 credits (3 lec hrs/wk)

This course provides a comprehensive study of filing systems equipment and criteria by which records are created classified stored and retrieved according to the rules established by the Association of Records Managers and Administrators (ARMA).

This course may be taken 1 time for credit.

Course classification: CTE

OA2591 Proofreading and Editing 3 credits (3 lec hrs/wk)

This course is designed to prepare students to proofread and edit business documents. It includes a review of punctuation, capitalization, grammar and spelling as applied to producing and editing commonly used documents found in the business office. Use a reference manual, and learn collaborative document processing techniques.

This course may be taken 1 time for credit.

Course classification: CTE

OA280 CWE: Office Administration 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 33 times for credit.

Course classification: CTE

OA280A CWE: Office Admin Certification 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: LDC

OA280B CWE: Office Admin AAS AOP 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: LDC

Physical Education Technical (PET)

PET264 Concepts Indiv Fitness Program 3 credits (2 lec, 2 lec lab hrs/wk)

This course prepares students with knowledge skills and abilities needed to improve the health and fitness of individuals through personal training.

Academic concepts are presented in contemporary practice settings giving students a foundation in theory and application useful for pursuit of a career in fitness or for personal enrichment.

This course may be taken 1 time for credit.

Course classification: CTE

PET267 Group Fitness Concepts 2 credits (4 lec lab hrs/wk)

This course is designed to teach the theory methods and techniques of group fitness concepts. Emphasis will be placed on skill development and instructional methods.

This course may be taken 1 time for credit.

Course classification: CTE

Pharmacy Tech (PHAR)

PHAR180 Internship: Pharmacy 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

PHAR280 CWE: Pharmacy 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore a variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

PHAR5470 Introduction to Pharmacy Law 4 credits (4 lec hrs/wk)

This course introduces students to the career of pharmacy technician.

It explores history, potential workplace options and personnel related to pharmaceutical services, including pharmacy ethics. A general overview of the knowledge base required for the occupation and an introduction to standard pharmacy references, federal and state law is provided.

This course may be taken 1 time for credit.

Course classification: CTE

PHAR5472 Pharmacology I 3 credits (3 lec hrs/wk)

Prerequisite(s): (AH111) or (AH111 and RD101)

This basic course introduces the student to generic and trade names of common therapeutic drugs. Drug categories and drug use in prevention of or interference with disease processes are discussed. Important contraindications, side effects, cautions, and interactions regarding drug use are included. The course also covers common nonprescription drugs. This course may be taken 1 time for credit.

Course classification: CTE

PHAR5473 Pharmacology II 3 credits (3 lec hrs/wk)

Prerequisite(s): (PHAR5472 and PHAR5474 and PHAR5475)

This basic course continues the student's introduction to generic and trade names of common therapeutic drugs. Drug categories and drug use in prevention of or interference with disease processes are discussed. Important contraindications, side effects, cautions, and interactions regarding drug use are included. The course also covers common nonprescription drugs.

This course may be taken 1 time for credit.

Course classification: CTE

PHAR5474 Pharmacy Calculations 2 credits (2 lec hrs/wk)

Prerequisite(s): (MTH60)

This course reviews basic mathematics and includes the application of math concepts in the performance of certain pharmacy technician duties (and other health care provider duties). It covers systems of weight measure and temperature and the conversion from one system into another. The basics of retail accounting are introduced. Students develop the capabilities needed to calculate dosages, drug amount or volume, percent concentrations, milli-equivalents and intravenous infusion rates.

This course may be taken 1 time for credit.

Course classification: CTE

PHAR5475 Pharmacy Technician Procedures I 4 credits (3 lec, 3 lab hrs/wk)

Prerequisite(s): (PHAR5470)

This course is designed to provide students with the knowledge and skills needed in the performance of technical pharmacy tasks. These include ambulatory, prescription processing, compounding and pre-packing, communications, and computer operations.

This course may be taken 1 time for credit.

Course classification: CTE

PHAR5476 Pharmacy Technician Procedures II 4 credits (3 lec, 3 lab hrs/wk)

Prerequisite(s): (PHAR5470 and PHAR5472 and PHAR5474 and PHAR5475)

This course is designed to provide students with the knowledge and skills needed in the performance of technical pharmacy tasks. These include hospital dispensing systems, compounding and pre-packing, communications, computer operations, aseptic technique, IV prep admixtures, and oncology preparations.

This course may be taken 1 time for credit.

Course classification: CTE

PHAR5477 Pharmacy Records Management 3 credits (3 lec hrs/wk)

Prerequisite(s): (PHAR5470 and PHAR5472 and PHAR5474 and PHAR5475)

This course is designed to provide knowledge and skills in preparing, maintaining, and storing a multiple of pharmacy records. The student will have practice typing a variety of instructional and retail prescription labels, and be capable of producing at a predetermined, satisfactory rate. This course may be taken 1 time for credit.

Course classification: CTE

Philosophy (PHL)

PHL101 Introduction to Philosophy 3 credits (3 lec hrs/wk)

Prerequisite(s): (WR121)

Introduces students to the philosophical quest for wisdom for the purpose of personal transformation: To understand themselves, reality, and their place within it by exploring fundamental questions and problems of metaphysics (the study of the nature of reality) and epistemology (the study of knowledge and truth) from a cross-cultural perspective

This course may be taken 1 time for credit.

Course classification: LDC

PHL102 Ethics 3 credits (3 lec hrs/wk)

Prerequisite(s): (WR121)

Investigates the nature of moral philosophy by examining ethical theories from a variety of cultural traditions as well as issues in applied ethics such as just war and pacifism, euthanasia, environmental ethics and cloning. Enables students to develop and reflect critically on their own ethical stance.

This course may be taken 1 time for credit.

Course classification: LDC

PHL103 Intro to Logic and Critical Thnkg 3 credits (3 lec hrs/wk)

Prerequisite(s): (WR121)

Focuses on improving critical reasoning skills in academic studies and daily life by examining the basic concepts of logic and critical thinking; the use of language; propaganda and doublespeak; and informal fallacies in academic arguments, editorials, letters to the editor, and advertising. Attention given to writing arguments and position papers.

This course may be taken 1 time for credit.

Course classification: LDC

PHL180 Internship: Philosophy 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

PHL280 CWE: Philosophy 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

This course offers career exploration and workplace experience within a widely defined number of supervised settings which provide professional experience in the field of philosophy.

This course may be taken 12 times for credit.

Course classification: LDC

Physical Education (PE)

PE131 Intro to Health and Physical Ed 3 credits (3 lec hrs/wk)

This course provides an orientation and foundational understanding of the academic disciplines and professions that lie beneath the umbrella of physical education, fitness, and sport. Students learn the underpinnings of historical and contemporary development in the disciplines and broaden their understanding of opportunities available within related professions.

This course may be taken 1 time for credit.

Course classification: LDC

PE180 Internship: Physical Education 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

PE185AA Gymnastics Advanced 1 credit (3 lab hrs/wk)

This course is a continuation of intermediate gymnastics with an emphasis on more advanced gymnastic skills, teaching, and spotting techniques.

This course may be taken 9 times for credit.

Course classification: LDC

PE185AB Baseball Advanced 1 credit (3 lab hrs/wk)

This course is designed to increase students' knowledge of the game; skills offensive and defensive strategies. Offensive strategies will revolve around executing various plays to move runners into scoring position and then score runs. Defensive strategies will emphasize limiting base runners limiting their advancement and eliminating them through various defensive plays.

This course may be taken 9 times for credit.

Course classification: LDC

PE185AC Gymnastics Beginning 1 credit (3 lab hrs/wk)

Beginning Gymnastics will offer the student instruction on basic gymnastics skills with an emphasis on tumbling, balance beams, rings, bars and vault. Students will also develop the basic strength needed to be successful on the various gymnastics apparatus.

This course may be taken 9 times for credit.

Course classification: LDC

PE185AD Gymnastics Intermediate 1 credit (3 lab hrs/wk)

Students in Intermediate Gymnastics will continue learning skills that are more advanced than those learned in Beginning Gymnastics. Students will use fundamentals developed in Beginning Gymnastics to safely learn more challenging skills. Students will also learn basic spotting techniques so that they can work on their own with fellow students. Students will put skills together in combinations on the various apparatus.

This course may be taken 9 times for credit.

Course classification: LDC

PE185AE Indoor Rock Climbing Advanced 1 credit (3 lab hrs/wk)

Prerequisite(s): Instructor consent

This course is designed for the advanced climber; experience is necessary. This class will present advanced level content, method and safety of indoor lead rock climbing. Students will learn to use and implement a variety of climbing equipment associated with lead climbing. Emphasis will be placed on the acquisition of advanced lead climbing skills and techniques necessary for indoor lead rock climbing.

This course may be taken 9 times for credit.

Course classification: LDC

PE185AF Indoor Rock Climbing Beginning 1 credit (3 lab hrs/wk)

This course is designed for the beginning climber no experience is necessary. This class will present beginning level content, method and safety of indoor rock climbing. Emphasis will be placed on the acquisition of beginning level skills, techniques and equipment necessary for indoor rock climbing.

This course may be taken 9 times for credit.

Course classification: LDC

PE185AG Indoor Rock Climbing Intermediate 1 credit (3 lab hrs/wk)

This course is designed for the intermediate climber. This class will present intermediate level content, method and safety of indoor rock climbing necessary for the intermediate student. Students will learn to use and implement a variety of level climbing equipment and knots. Emphasis will be placed on the continued acquisition of skills and techniques necessary for indoor rock climbing including the development of routes.

This course may be taken 9 times for credit.

Course classification: LDC

PE185AH Techniques and Skills Outdoor 1 credit (3 lab hrs/wk)

Through this course, students will become capable assets to the southern Oregon climbing community. Capable in terms of the practical knowledge they will gain in the areas of anchoring construction and basic rescue techniques. With these technical skills, students will exit the class with definite proficiency in climbing safely and securely both indoors and out as well as in their ability to assist other climbers should the need arise. Students will become assets to the outdoor community in general and to the climbing community specifically in the sense that through this course, students will be endowed with an understanding of the responsibilities we assume when we are active in the outdoors.

To accomplish this, all class excursions, though primarily intended to provide students opportunity to practice skills on the rocks, will be partnered with experiences of service (trail maintenance, rubbish removal, anchor replacement, meeting with local access representatives, etc.).

This course may be taken 9 times for credit.

Course classification: LDC

PE185AT Track Advanced 1 credit (3 lab hrs/wk)

This course will focus on expanding the students knowledge base relating to the latest technical information on track and field. Students will work with instructors in analyzing the biomechanical aspects of training for track. Students will make analytical comparisons of their performance compared to those of world class athletes.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BB Baseball Beginning 1 credit (3 lab hrs/wk)

This course offers an introduction to the game of baseball. Also the necessary skills drills fundamentals and strategies for baseball players will be addressed.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BC Bowling Advanced 1 credit (3 lab hrs/wk)

This course is designed to help students learn the advanced fine-tuned skills of bowling and how to make adjustments with different types of equipment and conditions.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BF Basketball Advanced 1 credit (3 lab hrs/wk)

Advanced Basketball is the course sequential to Intermediate Basketball and is designed to provide the student with opportunities to develop and use the basic individual and group fundamental skills, techniques, tactics, concepts, rules and philosophies acquired in the previous course. This course may be taken 9 times for credit.

Course classification: LDC

PE185BG Basketball Beginning 1 credit (3 lab hrs/wk)

A physical education class that is designed to teach mechanical principles and beginning skills of basketball.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BH Basketball Intermediate 1 credit (3 lab hrs/wk)

Intermediate Basketball is the course sequential to Beginning basketball and is designed to provide the student with additional instruction to develop and use the basic individual and group fundamental skills, techniques, tactics, concepts, rules and philosophies acquired in the previous course.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BI Bowling Intermediate 1 credit (3 lab hrs/wk)

This course is designed to help students learn intermediate bowling skills and to achieve the ability to adjust to different lane conditions. Students will learn intermediate spare shooting, different hook techniques, and the effects of technology on equipment performance (surfaces, cores, finger hole locations).

This course may be taken 9 times for credit.

Course classification: LDC

PE185BJ Bowling Beginning 1 credit (3 lab hrs/wk)

This course is designed to help students develop and enhance their bowling skills. Students will learn about bowling, its history, equipment and skills needed to bowl.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BK Kayak Beginning 1 credit (3 lab hrs/wk)

Students will gain experience with the basic strokes, maneuvers, and rescue techniques of kayaking on flat, ocean and moving river water. River structure and ocean action will be reviewed as well as kayaking and water safety measures.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BL Cross Country Beginning 1 credit (3 lab hrs/wk)

Student will learn methods of training, strategy, and techniques for cross country running. Competitive experience will be offered as part of the class.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BM Cross Country Intermediate 1 credit (3 lab hrs/wk)

Student will learn advanced methods of training, strategies, and techniques for cross country running. Competitive experience will be offered as part of the course.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BN Softball Advanced 1 credit (3 lab hrs/wk)

This course is designed to introduce students to an advanced level of development in the fundamentals of fastpitch softball. Students will develop their knowledge and understanding of softball skills and techniques, game history and characteristics, and skill development. The course is designed to help students develop beyond the basic and intermediate skills and techniques of fastpitch softball.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BO Softball Beginning 1 credit (3 lab hrs/wk)

This course is designed to introduce students to basic skill development in the fundamentals of softball. Students will develop their knowledge and understanding of softball skills and techniques, game history and characteristics, and skill development. The course is designed to help students develop the basic skills and techniques to participate in games at an acceptable level of competence.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BP Softball Intermediate 1 credit (3 lab hrs/wk)

This course is designed to introduce students to an intermediate level of development in the fundamentals of fastpitch softball. Students will develop their knowledge and understanding of softball skills and techniques, game history and characteristics, and skill development. The course is designed to help students develop beyond the basic skills and techniques of fastpitch softball in order to participate in games at an acceptable level of competence.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BQ Weight Training Beginning 1 credit (3 lab hrs/wk)

Students will be introduced to basic methods and techniques of heavy resistance exercises. Weightlifting will be used to increase muscular strength endurance, and flexibility.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BR Weight Training Intermediate 1 credit (3 lab hrs/wk)

Students will be taught intermediate methods and techniques of heavy resistance exercises. Weightlifting will be used to increase muscular strength endurance, and flexibility. Preparation for athletic competition in weightlifting and other sports will be offered.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BS Advanced Weight Training 1 credit (3 lab hrs/wk)

Prerequisite(s): (PE185BR)

The study of advanced weight training techniques. The course is designed to give the student experience in advanced lifting techniques and provide them with a more rigorous workout than intermediate or beginning.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BT Track Beginning 1 credit (3 lab hrs/wk)

Beginning Track is a class that will focus on the execution of basic track and field skills needed to perform running and field events. The use of handouts and film analysis of current track and field techniques as well as performing various drills will be used to improve the students knowledge techniques.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BU Zumba Fitness 1 credit (3 lab hrs/wk)

Zumba Fitness improves health and overall wellness through structured group exercise. The skills learned promote improved cardiorespiratory conditioning muscle endurance flexibility and improved body composition.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BV Turbo Kick 1 credit (3 lab hrs/wk)

This course will enable the student to participate in moderate turbo kick group exercise through choreographed movement patterns combinations and techniques. The student will experience a cardiovascular challenge with a sport specific warm-up, bouts of intense intervals of kickboxing, specific strength and endurance training, and cool-down exercises.

This course may be taken 9 times for credit.

Course classification: LDC

PE185BY Bicycling 1 credit (3 lab hrs/wk)

Bicycling is a course designed to give the novice bicycle rider basic knowledge about effectively using cycling to improve one's cardiovascular health. The course will also provide information on how to maximize the use of multi gear bicycles. Students will spend a majority of class time actually riding their bicycles. Several local routes will be utilized and at least one long day trip will be planned. Students will also learn the basic bicycle maintenance including gear adjustment, flat tire repair and brake adjustment.

This course may be taken 9 times for credit.

Course classification: LDC

PE185CS Creative Sports Movement 1 credit (3 lab hrs/wk)

Students will learn skills in rally routines, stunts, yells, and techniques of group dynamics.

This course may be taken 9 times for credit.

Course classification: LDC

PE185GA Golf Advanced 1 credit (3 lab hrs/wk)

Prerequisite(s): (PE185AD)

Advanced Golf is part of the physical education curriculum. This course continues the process of skill development acquired knowledge and appreciation of the sport of golf started in Beginning Golf and enhanced by Intermediate Golf. The class is designed as an individual activity so that the students may develop an appreciation of the recreational aspects of golf. Advanced Golf will focus on skills needed to lower the participants handicap, teach them to read situations on the course, and perform basic golf skills with a higher degree of accuracy.

This course may be taken 9 times for credit.

Course classification: LDC

PE185GB Golf Beginning 1 credit (3 lab hrs/wk)

Golf is a part of the physical education curriculum. This course introduces students to basic skill development in the fundamentals of golf. Students will develop their knowledge and understanding of golf skills, game characteristics, and skill development. The course is designed as an individual activity so the students may develop an appreciation of the recreational aspects of golf.

This course may be taken 9 times for credit.

Course classification: LDC

PE185GI Golf Intermediate 1 credit (3 lab hrs/wk)

Golf is a part of the physical education curriculum. This course continues the process of skill development, acquired knowledge, and appreciation of the sport of golf started in Beginning Golf. The class is designed as an individual activity so that the students may develop an appreciation of the recreational aspects of golf.

This course may be taken 9 times for credit.

Course classification: LDC

PE185IB Baseball Intermediate 1 credit (3 lab hrs/wk)

This course will add to the knowledge, skills, and drills emphasized in the beginning class. More emphasis will be placed on strategy; both offensive and defensive.

This course may be taken 9 times for credit.

Course classification: LDC

PE185IT Track Intermediate 1 credit (3 lab hrs/wk)

Intermediate Track will focus on applying the latest technical information related to track and field to the students actual performance and daily practice. Students will be videotaped and analyzed to recognize technical weakness and strengths. The instructor and student will use current information to improve performance.

This course may be taken 9 times for credit.

Course classification: LDC

PE185JA Judo Advanced 1 credit (3 lab hrs/wk)

Prerequisite(s): Instructor consent

The judo part of the physical education curriculum was created from traditional Japanese martial arts. This course continues the process of skill development, acquired knowledge, and appreciation of judo started in Beginning Judo and Intermediate Judo "the way of gentleness." Students will further develop their knowledge and understanding of intermediate judo skills, competition, and skill development. The course is designed to be an ideal form of physical exercise, character building, and a reliable system of self-defense against armed or unarmed attack.

This course may be taken 9 times for credit.

Course classification: LDC

PE185JB Judo Beginning 1 credit (3 lab hrs/wk)

The judo part of the physical education curriculum was created from traditional Japanese martial arts. This course is designed to introduce students to basic skill development in the fundamentals of Judo "the way of gentleness." Students will develop their knowledge and understanding of judo skills, competition, and skill development. The course is designed to be an ideal form of physical exercise, character building, and a reliable system of self-defense against armed or unarmed attack.

This course may be taken 9 times for credit.

Course classification: LDC

PE185JI Judo Intermediate 1 credit (3 lab hrs/wk)

Prerequisite(s): Instructor consent

The judo part of the physical education curriculum was created from traditional Japanese martial arts. This course continues the process of skill development, acquired knowledge, and appreciation of judo started in Beginning Judo "the way of gentleness." Students will develop their knowledge and understanding of intermediate judo skills, competition, and skill development. The course is designed to be an ideal form of physical exercise, character building, and a reliable system of self-defense against armed or unarmed attack.

This course may be taken 9 times for credit.

Course classification: LDC

PE185K1 Kiyō-Jū Karate Beginning 1 credit (3 lab hrs/wk)

This course offers students instruction in the study of martial arts with a Japanese orientation. Students will work on the development of basic skills with a non-sport emphasis. Precision of movement, self-defense, and technique will be emphasized.

This course may be taken 9 times for credit.

Course classification: LDC

PE185K2 Kiyō-Jū Karate Intermediate 1 credit (3 lab hrs/wk)

Prerequisite(s): (PE185K1)

This course continues instruction in the study of martial arts with a Japanese orientation on an intermediate level. Students will work on technique combinations with the goal of improving response time and precision. Martial arts techniques, precision of movement, and self-defense with a non-sport emphasis will be included.

This course may be taken 9 times for credit.

Course classification: LDC

PE185K3 Kiyō-Jū Karate Advanced 1 credit (3 lab hrs/wk)

Prerequisite(s): (PE185K2)

This course continues instruction in the study of martial arts with a Japanese orientation with a focus on developing proficiency in skills. Students will work on complex technique combinations with the goal of improving response time and precision. Martial arts techniques, accuracy of movement, and self-defense compound follow-ups with a non-sport emphasis will be included. Development of power over strength will be emphasized.

This course may be taken 9 times for credit.

Course classification: LDC

PE185KA Karate Advanced 1 credit (3 lab hrs/wk)

This course continues instruction in the study of martial arts with a Japanese orientation, sanzyuryū karate, with a focus on developing proficiency in skills. Students will work on complex technique combinations with the goal of improving response time and precision. Martial arts techniques, accuracy of movement, and self-defense compound follow-ups with a non-sport emphasis will be included. Development of power over strength will be emphasized.

This course may be taken 9 times for credit.

Course classification: LDC

PE185KB Karate Beginning 1 credit (3 lab hrs/wk)

This course offers students instruction in the study of martial arts with a Japanese orientation, sanzyuryū karate. Students will work on the development of basic skills with a non-sport emphasis. Precision of movement, self-defense, and technique will be emphasized.

This course may be taken 9 times for credit.

Course classification: LDC

PE185KI Karate Intermediate 1 credit (3 lab hrs/wk)

This course continues instruction in the study of martial arts with a Japanese orientation, sanzyuryū karate, on an intermediate level. Students will work on technique combinations with the goal of improving response time and precision. Martial arts techniques, precision of movement, and self-defense with a non-sport emphasis will be included.

This course may be taken 9 times for credit.

Course classification: LDC

PE185P Plyometrics 1 credit (3 lab hrs/wk)

Plyometrics is an intense workout designed to improve quickness power agility strength and jumping ability. The participant will perform a variety of strenuous exercises including jumping hopping rebounding and basic calisthenics. Students will work against resistance and obstacles to improve athletic performance.

This course may be taken 9 times for credit.

Course classification: LDC

PE185PC Physical Conditioning 1 credit (3 lab hrs/wk)

A physical education class designed to motivate and educate students of all ages in the methods of and the necessity for physical education.

This course may be taken 9 times for credit.

Course classification: LDC

PE185PF Pound Fit 1 credit (3 lab hrs/wk)

Pound is a full-body cardio session, combining light resistance with constant simulated drumming. The workout fuses cardio, pilates, isometric movements, plyometrics and isometric poses into a 50-minute series. Pound combines easy to follow cardio moves with strength training and drumming. This combo works the entire body, raises the heart rate to a fat-burning zone, and forces each move to be as precise as a basic beat.

This course may be taken 9 times for credit.

Course classification: LDC

PE185PS Public Safety Conditioning 1 credit (3 lab hrs/wk)

This course is designed to prepare and enhance individuals in public safety for essential physical capacities required to satisfactorily perform job duties and pre-employment physical exams. This course will result in students having to meet specific and measureable standards with respect to job specific physical conditioning in public safety professions.

This course may be taken 9 times for credit.

Course classification: LDC

PE185S1 Swimming Beginning 1 credit (3 lab hrs/wk)

The course is designed to provide the student with the opportunity to improve basic swimming skills and become proficient at a beginning swimming level. In addition, opportunities are provided for swim conditioning, so the student's fitness level should improve.

This course may be taken 9 times for credit.

Course classification: LDC

PE185S2 Swimming Intermediate 1 credit (3 lab hrs/wk)

The course is designed to provide the student with the opportunity to improve beginning swimming skills and become proficient at an intermediate swimming level. In addition, opportunities are provided for swim conditioning, so the student's fitness level should improve.

This course may be taken 9 times for credit.

Course classification: LDC

PE185S3 Swimming Advanced 1 credit (3 lab hrs/wk)

The course is designed to provide the student with the opportunity to improve intermediate swimming skills and become proficient at an advanced swimming level. In addition, opportunities are provided for swim conditioning, so the student's fitness level should improve.

This course may be taken 9 times for credit.

Course classification: LDC

PE185SA Soccer: Advanced 1 credit (3 lab hrs/wk)

This is an advanced course emphasizing the highest level of technique and tactics of the sport of soccer. This class will present the content method and safety of advanced soccer. Students will learn to use and implement a variety of advanced soccer skills and techniques. Emphasis will be placed on the acquisition of advanced skills and techniques necessary for advanced soccer.

This course may be taken 9 times for credit.

Course classification: LDC

PE185SB Soccer Beginning 1 credit (3 lab hrs/wk)

This is an introductory course emphasizing the fundamentals of beginning soccer. This class will present the content method and safety of beginning soccer. Students will learn to use and implement a variety of beginning soccer skills and techniques. Emphasis will be placed on the acquisition of basic skills and techniques necessary for beginning soccer.

This course may be taken 9 times for credit.

Course classification: LDC

PE185SC Super Circuit 1 credit (3 lab hrs/wk)

Instructed Super Circuit is designed to offer the student a circuit training course that will improve strength, cardiovascular fitness, flexibility, endurance and general knowledge about circuit training. The student will exercise under the supervision of a qualified instructor who will guide them through the use of aerobic training equipment and universal weight machines. Students will be evaluated at the beginning of the term, midterm and end of the term for strength and cardiovascular fitness. Students will also have a body fat evaluation and be given specific goals to improve their general fitness level. The purpose of this class is to provide the student with the knowledge to continue circuit training on their own.

This course may be taken 9 times for credit.

Course classification: LDC

PE185SI Soccer Intermediate 1 credit (3 lab hrs/wk)

This is an intermediate course emphasizing the fundamentals of intermediate soccer. This class will present the content method and safety of intermediate soccer. Students will learn to use and implement a variety of intermediate soccer skills and techniques. Emphasis will be placed on the acquisition of intermediate skills and techniques necessary for intermediate soccer.

This course may be taken 9 times for credit.

Course classification: LDC

PE185SP Self-Paced Fitness 1 credit (3 lab hrs/wk)

Introduces a self paced physical exercise program encompassing cardiovascular conditioning, strength training, and flexibility exercises. Incorporates individual and independent physical exercises and requires tracking exercises in a log/journal. This is a Hybrid Course that may meet at the beginning and end of the term for pre/post evaluation. SWOCC email addresses are required and weekly submission of work to the instructor via myLakerLink.

This course may be taken 3 times for credit.

Course classification: LDC

PE185TA Tennis: Advanced 1 credit (3 lab hrs/wk)

This course offers and introduces the basic fundamentals of the sport including skills, strategies, fitness, health and social behavior

This course may be taken 9 times for credit.

Course classification: LDC

PE185TB Tennis Beginning 1 credit (3 lab hrs/wk)

This course offers and introduces the basic fundamentals of the sport including skills, strategies, fitness, health and social behavior.

This course may be taken 9 times for credit.

Course classification: LDC

PE185TF Track & Field Throwing Techniques 1 credit (3 lab hrs/wk)

Track and Field Throwing Techniques is designed to instruct the student in the throwing events for Track and Field. Students will concentrate on the discus shot put and hammer. Techniques of throwing as well as current conditioning will be studied.

This course may be taken 9 times for credit.

Course classification: LDC

PE185TI Tennis Intermediate 1 credit (3 lab hrs/wk)

This course offers and introduces the basic fundamentals of the sport including skills, strategies, fitness, health and social behavior

This course may be taken 9 times for credit.

Course classification: LDC

PE185VA Volleyball Advanced 1 credit (3 lab hrs/wk)

Advanced Volleyball is for the student that has completed beginning and intermediate volleyball and would like to focus on the advanced skills and strategies related to volleyball. Students will work on techniques related to serving receiving blocking and strategic aspects of Volleyball. Advanced Volleyball will also include strength and conditioning exercises to enhance the players physical abilities.

This course may be taken 9 times for credit.

Course classification: LDC

PE185VB Volleyball Beginning 1 credit (3 lab hrs/wk)

Volleyball is part of the physical education curriculum. This course is designed to introduce students to basic skill development in the fundamentals of volleyball. Students will develop their knowledge and understanding of volleyball skills game history and characteristics as well as skill development. The course is designed to help students develop a lifelong interest in playing the game of volleyball.

This course may be taken 9 times for credit.

Course classification: LDC

PE185VI Volleyball Intermediate 1 credit (3 lab hrs/wk)

Volleyball is part of the physical education curriculum. This course continues the process of skill development acquired knowledge and appreciation of the sport of volleyball started in Beginning Volleyball. The class is designed as a group activity so that students may develop and perfect their skills and knowledge of the game to better appreciate the sport as a lifetime physical activity.

This course may be taken 9 times for credit.

Course classification: LDC

PE185WA Wrestling Advanced 1 credit (3 lab hrs/wk)

This is an advanced course emphasizing the fundamentals of advanced wrestling. This class will present the content, method, and safety of advanced wrestling. Students will learn to use and implement a variety of advanced wrestling skills and techniques. Emphasis will be placed on the acquisition of advanced skills and techniques necessary for advanced wrestling.

This course may be taken 9 times for credit.

Course classification: LDC

PE185WB Wrestling Beginning 1 credit (3 lab hrs/wk)

This is an introductory course emphasizing the fundamentals of beginning wrestling. This class will present the content, method, and safety of beginning wrestling. Students will learn to use and implement a variety of beginning wrestling skills and techniques. Emphasis will be placed on the acquisition of basic skills and techniques necessary for beginning wrestling.

This course may be taken 9 times for credit.

Course classification: LDC

PE185WI Wrestling Intermediate 1 credit (3 lab hrs/wk)

This is an intermediate course emphasizing the fundamentals of intermediate wrestling. This class will present the content method and safety of intermediate wrestling. Students will learn to use and implement a variety of intermediate wrestling skills and techniques. Emphasis will be placed on the acquisition of intermediate skills and techniques necessary for intermediate wrestling.

This course may be taken 9 times for credit.

Course classification: LDC

PE185WL Walking 1 credit (3 lab hrs/wk)

Walking is a low impact exercise and a life time activity for all ages.

The class will be progressive individualized and provide opportunity to improve fitness level through walks on track and campus. Instruction on injury prevention flexibility and technique will be offered.

This course may be taken 9 times for credit.

Course classification: LDC

PE210 Theory Of Coaching 3 credits (3 lec hrs/wk)

A survey of issues encountered by coaches in all sports. Topics will include, but not be limited to communication with players, colleagues and administration, ethical issues and responsibilities, coaching philosophies, relations with media and community, time management, coach and athlete motivation, mental training skills, and equipment and facilities management.

This course may be taken 1 time for credit.

Course classification: LDC

PE231 Wellness for Life 3 credits (3 lec hrs/wk)

Physical assessment techniques to assess present strength, flexibility, and cardiovascular health will be administered in this course. Students will receive informational tools needed to facilitate positive change in their present state of fitness. Basic blood work will assess cholesterol, glucose, and other results. Health issues and concepts are also covered.

This course may be taken 1 time for credit.

Course classification: LDC

PE259 Care & Prev of Athletic Injuries I 3 credits (3 lec hrs/wk)

This is the first of a two-course sequence with the purpose of exposing students to injuries and conditions that occur in athletics and physical activity. This course prepares students to recognize an injury, evaluate it, and begin appropriate care. Preventative injury techniques are a prominent component of the class.

This course may be taken 1 time for credit.

Course classification: LDC

PE260 Care & Prev Athletic Injuries II 3 credits (3 lec hrs/wk)

Prerequisite(s): (PE259)

This is the second of a two-course sequence with the purpose of exposing students to injuries and conditions that occur in athletics and physical activity. This course prepares students to recognize an injury evaluate it and begin appropriate care. Preventative injury techniques are a prominent component of the class.

This course may be taken 1 time for credit.

Course classification: LDC

PE261 Techniques of Taping 3 credits (2 lec, 2 lec lab hrs/wk)

This is an introductory course in athletic training and physical education. This course will educate students in the basic principles of athletic taping and bracing by learning theory and application strategies. Students will use multimedia resources equipment and produce their own field guide textbook as a component to this course.

This course may be taken 1 time for credit.

Course classification: LDC

PE262 Dev Adult Fitness 3 credits (3 lec hrs/wk)

Students will gain experience with developing and supplementing effective older adult fitness programs that promote better health and wellness. This course studies what happens to people as they age both physically and mentally; and how exercise and healthy lifestyles will promote a better quality of life and longer lifespan.

This course may be taken 1 time for credit.

Course classification: LDC

PE268 Sports Officiating Principles 2 credits (4 lec lab hrs/wk)

Sport Officiating Principles engages students in both course study and practical experience in sport officiating. Communication teamwork decision making conflict resolution and a variety of opportunities in sport officiating will be covered. Students will prepare to take a national certification exam for sport officiating.

This course may be taken 1 time for credit.

Course classification: LDC

PE270 Sport and Exercise Psychology 3 credits (3 lec hrs/wk)

The course is designed to provide students the knowledge to understand the basics of psychological skills to improve physical performance in others or themselves. The course would be well suited for athletes, coaches or exercise leaders.

This course may be taken 1 time for credit.

Course classification: LDC

PE280 CWE: Physical Education 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): (PE131), or instructor consent

Students will gain real life experience in the various roles and responsibilities related to the field of Physical Education. Students will participate in a variety of supervised settings that are applicable to the development of the student as a professional in Health and Physical Education field including; areas related to life time wellness, fitness and conditioning as well as the educational aspect such as teaching.

This course may be taken 12 times for credit.

Course classification: LDC

PE6230 Introduction to Golf Caddy 1 credit (2 lec lab hrs/wk)

This course prepares students with an understanding of the game of golf and the role of the golf caddy. The class covers the rules and regulations of golf the etiquette of golf and how customer service plays a role in the caddying experience. Students will practice caddying techniques on a golf course.

This course may be taken 3 times for credit.

Course classification: CTE

Physics (PH)

PH180 Internship: Physics 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

PH201 Gen Physics I: Mechanics 5 credits (4 lec, 3 lab hrs/wk)

Prerequisite(s): (MTH112)

Offers the first term of a three-term sequence of introductory algebra-based college physics. Includes: kinematics, Newton's laws, energy, momentum, and rotation.

This course may be taken 1 time for credit.

Course classification: LDC

PH202 Gen Physics II: Heat, Waves, Rel 5 credits (4 lec, 3 lab hrs/wk)

Prerequisite(s): (PH201)

Study of the physical properties and interactions of mechanics, sound, heat, light, electricity, magnetism, and optics. Includes laboratory activities. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

PH203 Gen Physics III: Elect & Magnetism 5 credits (4 lec, 3 lab hrs/wk)

Prerequisite(s): (PH202)

Study of the physical properties and interactions of mechanics, sound, heat, light, electricity, magnetism, and optics. Includes laboratory activities. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

PH211 Gen Physics w/Calculus I 5 credits (4 lec, 3 lab hrs/wk)

Study of the physical properties and interactions of mechanics, sound, heat, light, electricity, magnetism, and optics. For science and engineering majors. Includes laboratory activities. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

PH212 Gen Physics w/Calculus II 5 credits (4 lec, 3 lab hrs/wk)

Prerequisite(s): (PH211)

Study of the physical properties and interactions of mechanics, sound, heat, light, electricity, magnetism, and optics. For science and engineering majors. Includes laboratory activities. Must be taken in sequence..

This course may be taken 1 time for credit.

Course classification: LDC

PH213 Gen Physics w/Calculus III 5 credits (4 lec, 3 lab hrs/wk)

Prerequisite(s): (MTH252 and PH212)

Study of physical properties of mechanics, sound, heat, light, electricity, magnetism, and optics. For science and engineering majors. Includes laboratory activities. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

PH280 CWE: Physics 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical worksite exposure to applied science, which provides students an opportunity to explore potential career paths in science while gaining practical experience in applying classroom science theory.

This course may be taken 12 times for credit.

Course classification: LDC

Political Science (PS)

PS180 Internship: Political Science 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

PS201 American Government Political 3 credits (3 lec hrs/wk)

An introduction to American political institutions, processes and ideology, in relation to politics and public policy.

This course may be taken 1 time for credit.

Course classification: LDC

PS202 American Government Policy Issues 3 credits (3 lec hrs/wk)

This course continues the study of civil liberties and practical application of powers of the federal government to society's problems. Current issues in American politics and the application of federal government powers to society's problems will be addressed.

This course may be taken 1 time for credit.

Course classification: LDC

PS203 Local Politics and Government 3 credits (3 lec hrs/wk)

This course introduces the student to United States state and local governments with comparative political behavior in states and communities. The course defines and discusses the political and institutional processes by which state and local governments make policy and law. The course also examines the role of state and local governments within the federal system of government.

This course may be taken 1 time for credit.

Course classification: LDC

PS205 Intrnl Relations: US Foreign Policy 3 credits (3 lec hrs/wk)

The course focuses on the development of US foreign policy within the twentieth century with an emphasis on past precedents, new challenges, and how America's increasing economic interconnectedness with our neighbors has changed our policies. The course uses the world wars and the Cold War as major events which have shaped American foreign policy and continue to do so.

This course may be taken 1 time for credit.

Course classification: LDC

PS280 CWE: Political Science 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

This course offers career exploration and workplace experience within a widely defined number of supervised settings which will provide professional experience in the field of political science, political organizing, and campaigning.

This course may be taken 12 times for credit.

Course classification: LDC

Psychology (PSY)

PSY100 Introduction to Psychology 4 credits (4 lec hrs/wk)

This course is a survey of psychological perspectives into human behavior. It introduces the student to the overall field of psychology to prepare them for advanced study in psychology. The course is designed to briefly touch on the major tenets of the discipline. This will include a brief description of history and scientific methods, and biopsychosocial aspects of human behavior. The major emphasis will be on the practical application of varied topics.

This course may be taken 1 time for credit.

Course classification: LDC

PSY180 Internship: Psychology 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

PSY201 General Psychology 3 credits (3 lec hrs/wk)

Introduces principles and theories of human behavior. Stresses scientific methodology, brain and other physiological influences on behavior, learning, sensory and perceptual processes.

This course may be taken 1 time for credit.

Course classification: LDC

PSY201H General Psychology w/Honors 3 credits (3 lec hrs/wk)

Introduces principles and theories of human behavior. Stresses scientific methodology, brain and other physiological influences on behavior and mental processes, sensory and perceptual processes, consciousness and principles of learning. This course is part of the Honors Program.

This course may be taken 1 time for credit.

Course classification: LDC

PSY202 General Psychology 3 credits (3 lec hrs/wk)

Focuses on memory, intelligence, language and thinking, motivation and emotion, lifespan development, gender and sexuality.

This course may be taken 1 time for credit.

Course classification: LDC

PSY202H General Psychology w/Honors 3 credits (3 lec hrs/wk)

Focuses on memory, intelligence, language and thinking, motivation and emotion, lifespan development, gender and sexuality. This course is part of the Honors Program.

This course may be taken 1 time for credit.

Course classification: LDC

PSY203 General Psychology 3 credits (3 lec hrs/wk)

Focus on emotion, stress, health, intelligence, personality, mental disorders, treatment of mental disorders, and social psychology.

This course may be taken 1 time for credit.

Course classification: LDC

PSY203H General Psychology w/Honors 3 credits (3 lec hrs/wk)

Focuses on personality, social psychology, stress, health and coping, psychological disorders, treatment of psychological disorders, and ends with a look at what psychologists do in the workforce. This course is part of the Honors Program.

This course may be taken 1 time for credit.

Course classification: LDC

PSY216 Social Psychology 3 credits (3 lec hrs/wk)

Social Psychology is the scientific study of social variables on an individual's behavior, attitudes, perceptions, and motives. In this course, the learner will have the opportunity to specifically explore how we distort reality. They will be able to evaluate their self control with the respect to others along with their levels of conformity and obedience. They can test strong emotions such as altruism, aggression and passion in different scenarios. The course ends with a look at prejudice and the importance of great leadership within groups

This course may be taken 1 time for credit.

Course classification: LDC

PSY228 Introduction to Social Science 3 credits (3 lec hrs/wk)

Prerequisite(s): (MTH60)

This course is an introduction to the basic research methods used by social scientists. The course includes an introduction to statistical analysis, observational studies, survey research, and experimental design.

This course may be taken 1 time for credit.

Course classification: LDC

PSY231 Human Sexuality 3 credits (3 lec hrs/wk)

This course is designed to help students explore their attitudes and feelings regarding human sexuality. It will promote an open examination of various dimensions of sexual behaviors and attitudes in a safe, judgement-free classroom environment.

This course may be taken 1 time for credit.

Course classification: LDC

PSY232 Psychology of Humor 3 credits (3 lec hrs/wk)

This course explores the psychological underpinnings of humor. It includes a theoretical discussion of humor from research in cognitive, social, biological and developmental psychology. It also explores practical ways to create and implement humor at home, in the workplace, and other personal encounters. The goal is to enhance both mental and physical health.

This course may be taken 1 time for credit.

Course classification: LDC

PSY237 Life Span Development 3 credits (3 lec hrs/wk)

Designed to survey the major principles of behavior and patterns of change in people over the life span. Revolves around the area of development in physical, intellectual, social, personality and cross-cultural diversity for infants, children, adolescents, adults and the elderly. Within the psychological framework, students will be able to research and apply development concepts to relevant problems in daily life.

This course may be taken 1 time for credit.

Course classification: LDC

PSY239 Introduction to Abnormal Psychology 3 credits (3 lec hrs/wk)

Discusses the diagnosis, etiology and therapy of emotional, disturbances and behavioral disorders.

This course may be taken 1 time for credit.

Course classification: LDC

PSY243 Drugs and Behavior 3 credits (3 lec hrs/wk)

This course is a basic introduction to the principles of drug action on the mind and body and the relationship of substance abuse to crime and criminal justice administration. Drug metabolism and psychopharmacological research findings on legal and illicit drugs are addressed including drug effects, theories of abuse, legislation enforcement strategies policy options, and treatment and prevention strategies. Treatment issues and prevention models are related to diverse cultures, lifestyles, gender, age, and the needs of people with disabilities.

This course may be taken 1 time for credit.

Course classification: LDC

PSY280 CWE: Psychology 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

This course offers career exploration and workplace experience within a widely defined number of supervised settings which provide professional experience in the field of psychology.

This course may be taken 12 times for credit.

Course classification: LDC

Reading (RD)

RD0751 Reading Skills 1-3 credits (1 lec hrs/wk/cr)

A series of courses that provide a systematic approach for identifying and correcting reading difficulties and improving reading efficiency through lecture, instruction, skills development, and practice. Students may improve reading comprehension, fluency, and vocabulary.

This course may be taken 33 times for credit.

Course classification: DEV

RD0752 Reading Skills 1-3 credits (1 lec hrs/wk/cr)

A series of courses that provide a systematic approach for identifying and correcting reading difficulties and improving reading efficiency through lecture, instruction, skills development, and practice. Students may improve reading comprehension, fluency, and vocabulary.

This course may be taken 33 times for credit.

Course classification: DEV

RD0753 Reading Skills 1-3 credits (1 lec hrs/wk/cr)

A series of courses that provide a systematic approach for identifying and correcting reading difficulties and improving reading efficiency through lecture, instruction, skills development, and practice. Students may improve reading comprehension, fluency, and vocabulary.

This course may be taken 33 times for credit.

Course classification: DEV

RD101 College Reading I 1-3 credits (1 lec hrs/wk/cr)

College Reading I presents a systematic approach for improving reading efficiency for those reading at 12th grade and above. Students learn an analytical method of reading non-fiction material, which can improve both speed and comprehension.

This course may be taken 1 time for credit.

Course classification: LDC

RD102 College Reading II 1-3 credits (1 lec hrs/wk/cr)

College Reading II presents a systematic approach for improving reading efficiency for those reading at 12th grade level and above. Students learn an analytical method of reading non-fiction material, which can improve both speed and comprehension.

This course may be taken 1 time for credit.

Course classification: LDC

RD103 College Reading III 1-3 credits (1 lec hrs/wk/cr)

College Reading III presents a systematic approach for improving reading efficiency for those reading at 12th grade level and above. Students learn an analytical method of reading non-fiction material, which can improve both speed and comprehension.

This course may be taken 1 time for credit.

Course classification: LDC

RD80 Reading Skills I 3 credits (3 lec hrs/wk)

Basic Reading Skills I takes a systematic approach to identifying and correcting reading difficulties and improving reading comprehension, fluency, and efficiency. These are achieved through lecture instruction, skills development, and practice on developing vocabulary and comprehension skills necessary for college reading and writing. Students learn strategies for vocabulary development and ways of identifying main ideas and supporting details. They also learn about the use of transitional words and phrases as well as analytical thinking.

This course may be taken 1 time for credit.

Course classification: DEV

RD90 Reading Skills II 3 credits (3 lec hrs/wk)

Prerequisite(s): (RD80)

This course develops the analytical reading skills necessary for college-level reading. Emphasis is on development methods of analyzing and critically evaluating college texts, development and enrichment of college-level vocabulary, and development of personal strategies for analytical reading.

This course may be taken 1 time for credit.

Course classification: DEV

Sociology (SOC)

SOC105 Introduction to Criminology 4 credits (4 lec hrs/wk)

An interdisciplinary and introductory overview of the study of crime, criminal behavior, and the application of theory to crime prevention and offender treatment. Examines the uses and limitations of empirical research methods to the study of crime. Reviews the principal political, economic, social, cultural, psychological, biological, and ideological theories of criminal behavior. Identifies the major categories of crime and discusses the relevance of crime classification. Explores the influence of criminological theory on public policy.

This course may be taken 1 time for credit.

Course classification: LDC

SOC180 Internship: Sociology 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options in the field of sociology.

This course may be taken 12 times for credit.

Course classification: LDC

SOC204 Introduction to Sociology 3 credits (3 lec hrs/wk)

This course explores how social context shapes people's lives by systematically analyzing culture, socialization, social interaction, social stratification, race and ethnic relations and the general dynamics of human groups. The course also analyzes development and application of sociological concepts, perspectives and research methodology.

This course may be taken 1 time for credit.

Course classification: LDC

SOC205 Social Institutions and Change 3 credits (3 lec hrs/wk)

Prerequisite(s): (SOC204)

This course explores how societies change over time, focusing on recent social changes. Using sociological theories, concepts, and methodologies, the course examines the impacts of changes on individuals and social institutions such as the family, religion, education, economics, media, political systems, health and medicine.

This course may be taken 1 time for credit.

Course classification: LDC

SOC206 Social Problems and Issues 3 credits (3 lec hrs/wk)

Prerequisite(s): (SOC204)

This course investigates causes and consequences of social problems – and feasible solutions to such problems – within specific cultural and historical contexts. Social problems examined include: Addictions, crime and delinquency, group discrimination, inequality, poverty, alienation, domestic and international violence, environment and energy.

This course may be taken 1 time for credit.

Course classification: LDC

SOC208 Sociology of Sport 3 credits (3 lec hrs/wk)

Emphasizes sport as an important social institution in contemporary society. Includes histories, definitions, and functions of sport; theory and methods for studying the sociology of sport; the role of sport in socialization and education; good sportsmanship in the context of societal values; the business and economics of sport; media and sport; the globalization of sport; deviance in sport; trends in organized, competitive sports; and fitness and leisure sport activities.

This course may be taken 1 time for credit.

Course classification: LDC

SOC210 Marriage and Family 3 credits (3 lec hrs/wk)

Examines intimate relationships, courtship, marriage and family patterns, old, new, and unconventional. The course focuses on how relationships are built, maintained, and change over time, including analysis of love, sexuality, children, conflict, divorce, blended families, disabilities, and death of family members.

This course may be taken 1 time for credit.

Course classification: LDC

SOC213 Racial and Ethnic Relations 3 credits (3 lec hrs/wk)

A survey of the developmental process of aging. This course examines social, physical, emotional, spiritual and cultural aspects influencing the experience of aging. It provides essential information required for professional interaction with elders and emphasizes a positive view of aging based on current theories, policies, practices, concerns, service, and professional opportunities in gerontology.

This course may be taken 1 time for credit.

Course classification: LDC

SOC230 Gerontology 3 credits (3 lec hrs/wk)

A survey of the developmental process of aging. This course examines social, physical, emotional, spiritual and cultural aspects influencing the experience of aging. It provides essential information required for professional interaction with elders and emphasizes a positive view of aging based on current theories, policies, practices, concerns, service, and professional opportunities in gerontology.

This course may be taken 1 time for credit.

Course classification: LDC

SOC280 CWE: Sociology 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

This course offers career exploration and workplace experience within a widely defined number of supervised settings in the field of sociology.

This course may be taken 12 times for credit.

Course classification: LDC

Spanish (SPAN)

SPAN101 First Year Spanish 4 credits (4 lec hrs/wk)

Introduces the written and spoken language of Spanish-speaking people. Includes pronunciation, grammar, vocabulary, and comprehension.

Emphasizes speaking, listening comprehension, reading comprehension and writing. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

SPAN102 First Year Spanish 4 credits (4 lec hrs/wk)

Prerequisite(s): (SPAN101)

Introduces the written and spoken language of Spanish-speaking people. Includes pronunciation, grammar, vocabulary, and comprehension.

Emphasizes speaking, listening comprehension, reading comprehension and writing. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

SPAN103 First Year Spanish 4 credits (4 lec hrs/wk)

Prerequisite(s): (SPAN102)

Introduces the written and spoken language of Spanish-speaking people. Includes pronunciation, grammar, vocabulary, and comprehension.

Emphasizes speaking, listening comprehension, reading comprehension and writing. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

SPAN201 Second Year Spanish 4 credits (4 lec hrs/wk)

Prerequisite(s): (SPAN103)

Continues the review and expansion of language, grammar, conversation, composition and culture. Emphasizes speaking, listening comprehension, reading comprehension and writing. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

SPAN202 Second Year Spanish 4 credits (4 lec hrs/wk)

Prerequisite(s): (SPAN201)

Continues the review and expansion of language, grammar, conversation, composition and culture. Emphasizes speaking, listening comprehension, reading comprehension and writing. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

SPAN203 Second Year Spanish 4 credits (4 lec hrs/wk)

Prerequisite(s): (SPAN202)

Continues the review and expansion of language, grammar, conversation, composition and culture. Emphasizes speaking, listening comprehension, reading comprehension and writing. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

Speech (SP)

SP100 Basic Speech Communications 3 credits (3 lec hrs/wk)

Applies general communication theories of intrapersonal, interpersonal and group communication. Develops an awareness of interpersonal communication as it relates to employment and informational interviewing, group problem solving and communication climates.

This course may be taken 1 time for credit.

Course classification: LDC

SP111 Fundamentals of Public Speaking 3 credits (3 lec hrs/wk)

Prepare and present original speeches, with emphasis on content, organization, delivery, and technique.

This course may be taken 1 time for credit.

Course classification: LDC

SP112 Persuasive Speech 3 credits (3 lec hrs/wk)

Examine the psychology of persuasion, as well as methods speakers use to persuade an audience. Use evidence, reasoning skills, emotional appeal, credibility, critical thinking, organizational patterns, outlining techniques and audience analysis. Prepare and present original persuasive speeches.

This course may be taken 1 time for credit.

Course classification: LDC

SP180 Internship: Speech 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

SP218 Interpersonal Communication 3 credits (3 lec hrs/wk)

Prerequisite(s): (WR121) or (WR90)

Focus on improving communication with oneself in order to improve relationships. Addresses perception, emotions, language, verbal and non-verbal communication, listening and conflict resolution skills.

This course may be taken 1 time for credit.

Course classification: LDC

SP219 Small Group Discussion 3 credits (3 lec hrs/wk)

Prerequisite(s): (WR90)

Focus on skill building and theory in decision-making, problem-solving, presentation planning, and knowledge of group process. Examine effective small group techniques in a variety of settings. Plan and present group discussions and group presentations.

This course may be taken 1 time for credit.

Course classification: LDC

SP220 Gender and Communication 3 credits (3 lec hrs/wk)

Prerequisite(s): (WR121) or (WR90)

Increase understanding and awareness of differences in male and female communication styles. Explore how culture, media, attitudes, and gender roles influence and how they impact communication.

This course may be taken 1 time for credit.

Course classification: LDC

SP280 CWE: Speech 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

Welding (WLD)

WLD100 Welding Process I 3 credits (1 lec, 4 lec lab hrs/wk)

Emphasizes oxy-acetylene welding and cutting, introduction to gas tungsten arc welding (GTAW) and plasma arc cutting, oxy-fuel cutting and scarfing plus air arc gouging and plasma arc gouging. Topics include brazing, and oxy-acetylene welding in flat, horizontal and vertical positions using several joint designs, efficient use of hand and machine oxy-acetylene torch cutting, and industrial safety.

This course may be taken 1 time for credit.

Course classification: CTE

WLD101 Shielded Metal Arc Welding 6 credits (2 lec, 8 lec lab hrs/wk)

This course covers shielded metal arc welding (SMAW) including safety, arc welding fundamentals, polarity, amperage ranges, weld techniques, weld defects, causes, and cures. Students learn through lecture, demonstration, and practical application of skills and concepts. Lab activities will cover flat, horizontal, vertical welds and overhead using E6010 and E7018 electrodes. Students will be exposed to properties of steel, manipulative techniques for welding, proper joint design and preparation. American Welding Society (AWS) certification standards and testing methods will be used. Lab will apply AWS certification test standards

This course may be taken 1 time for credit.

Course classification: CTE

WLD102 Welding Lab A 3 credits

Development of the student's ability to weld on a variety of metals using a variety of welding processes. The skill development of the course will include print reading and interpretation, material layout and cutting, joint preparation, process determination, machine setup, welding and inspection of final project. Emphasis will be on welding techniques that meet or exceed industrial standards.

This course may be taken 1 time for credit.

Course classification: CTE

WLD103 Gas Metal Arc Welding 3 credits (1 lec, 4 lec lab hrs/wk)

Covers gas metal arc welding (GMAW) process. The semi-automatic gas metal arc welding (GMAW) process and manual welding techniques will be presented. Equipment needs, setup, joint design, filler metals, shielding gases, welding techniques, along with safety will be stressed. Proper joint design, preparation, and welding techniques. Lab activities will cover all position butt and fillet welds on mild steel, and basic techniques on aluminum and stainless steel.

This course may be taken 1 time for credit.

Course classification: CTE

WLD104 Flux Cored Arc Welding 3 credits (1 lec, 4 lec lab hrs/wk)

Covers flux cored arc welding (FCAW) process. The semi-automatic flux cored arc welding (FCAW) process, both with and without shielding gas, and manual welding techniques will be presented. Equipment needs, setup, joint design, filler metals, shielding gases, welding techniques, along with safety, will be stressed. Proper joint design, preparation, and welding to American Welding Society (AWS) certification standards and testing methods will be emphasized. Lab activities will cover all position welds.

This course may be taken 1 time for credit.

Course classification: CTE

WLD105 Pipe Fitting and Welding I 3 credits

Prerequisite(s): (WLD100) or (WLD101)

Introduces pipe layout, fitting, and arc welding covering basic pipe and piping information, basic pipe layout practices, and basic pipe welding techniques. Safety, quality, and proper weld technique will be stressed according to industry standards for appearance and weld soundness.

This course may be taken 1 time for credit.

Course classification: CTE

WLD106 Welding Lab B 3 credits

Prerequisite(s): (WLD102)

Continuation of WLD*4165 in developing the student's ability to weld on a variety of metals using a variety of welding processes. The skill development of the course will include print reading and interpretation, material layout and cutting, joint preparation, process determination, machine setup, welding and inspection of final project. Emphasis will be on welding techniques that meet or exceed industrial standards.

This course may be taken 1 time for credit.

Course classification: CTE

WLD107 Gas Tungsten Arc Welding 3 credits

Covers all aspects of manual gas tungsten arc welding (GTAW) from safety and process operation through welding techniques and applications. Emphasis will be on safety, equipment setup, manual welding techniques, and procedures for both ferrous and non-ferrous materials, quality control and inspection, and industrial codes and procedures.

This course may be taken 1 time for credit.

Course classification: CTE

WLD110 Welding Cert for 1st Year 3 credits (1 lec, 4 lec lab hrs/wk)

Prerequisite(s): (WLD101)

Corequisite(s): (WLD4125 and WLD4126)

Provides experienced welders with lab time for practice in basic welding techniques for skills upgrading and/or certification. The instructor is available for technical assistance.

This course may be taken 1 time for credit.

Course classification: CTE

WLD150 Welding & Joining Processes 3 credits (1 lec, 4 lec lab hrs/wk)

Prerequisite(s): (WLD101 and WLD103)

Introduces the application of modern welding, joining, and forming processes on manufacturing materials. The focus is on new welding and joining processes for ferrous and non-ferrous metals and various materials used in manufacturing. Metallurgy of ferrous and non-ferrous materials will be studied and procedures practiced.

This course may be taken 1 time for credit.

Course classification: CTE

WLD180 Intermediate Welding 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 33 times for credit.

Course classification: CTE

WLD200 Welding Process II 3 credits (1 lec, 4 lec lab hrs/wk)

Introduction to Electric Arc Welding Processes emphasizing the basics of Shielded Metal Arc Welding, Gas Metal Arc Welding and Flux Cored Arc Welding. Students will develop basic knowledge and skill in setup and safe use of Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FCAW) to industry standards

This course may be taken 1 time for credit.

Course classification: CTE

WLD201 Pipe Fitting and Welding II 3 credits (1 lec, 4 lec lab hrs/wk)

Prerequisite(s): (WLD105)

Theory and practical application of pipe joint preparation and design; API (American Petroleum Institute) and AWS (American Welding Society) welding codes specifications for pipe and pipe fittings; geometric curve design for branched joints for piping system; wire and electrodes selections; advanced welding blue print and pipe welding symbols, SMAW, GMAW, and GTAW of pipe joints; metallurgical transformation of weld Heat Affected Area (HAA); welding discontinuities and defects; destructive and non-destructive testing; and methods of inspection and testing.

This course may be taken 1 time for credit.

Course classification: CTE

WLD202 Forklift Operator Training and Cert 1 credit (2 lec lab hrs/wk)

Prerequisite(s): Instructor consent

This course provides all the necessary instruction and training required by the forklift operator regulations.

This course may be taken 1 time for credit.

Course classification: CTE

WLD203 Advanced Individual Welding 3 credits (1 lec, 4 lec lab hrs/wk)

Prerequisite(s): (WLD4155)

Allows the students to either specialize in welding techniques and processes they find appropriate for their needs and/or design, draw, estimate, order material, lay out, and fabricate an individualized project. Student will utilize practical application of industry methods in accomplishing these goals.

This course may be taken 1 time for credit.

Course classification: CTE

WLD205 The Welding Business 3 credits (3 lec hrs/wk)

This course introduces students to business aspects of the welding industry. Topics will include relevant business issues such as entrepreneurship, business planning, leadership, management, quality control, risk management, productivity, safety, and estimating.

This course may be taken 1 time for credit.

Course classification: CTE

WLD210 Welding Cert for 2nd Year 3 credits (1 lec, 4 lec lab hrs/wk)

Prerequisite(s): (WLD101 and WLD103 and WLD104)

Provides experienced welders with lab time for practice in basic welding techniques for skills upgrading and/or certification. The instructor is available for technical assistance.

This course may be taken 1 time for credit.

Course classification: CTE

WLD280 CWE: Welding Tech 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to test knowledge learned in the classroom and explore the variety of workplaces in which to apply that knowledge.

This course may be taken 12 times for credit.

Course classification: CTE

WLD4050 Welding and Joining Processes 3 credits (1 lec, 4 lec lab hrs/wk)

Prerequisite(s): (WLD101 and WLD103)

Introduces the application of modern welding, joining and forming processes on new emerging manufacturing materials. The focus is on new welding and joining processes for ferrous and non-ferrous metals and various materials used in manufacturing. Metallurgy of ferrous and non-ferrous materials and properties of other materials will be researched.

This course may be taken 1 time for credit.

Course classification: CTE

WLD4152 Advanced Pipe Fitting and Fab 3 credits (1 lec, 4 lec lab hrs/wk)

Prerequisite(s): (WLD105)

With continuance of WLD*4151, this class introduces students to the inservice welding on pressurized piping and hands-on tapping and plugging, utilizing pipe line pressure control fittings (PCFs).

This course may be taken 1 time for credit.

Course classification: CTE

WLD4153 Pipe Fitting Workshop: 3 credits (1 lec, 4 lec lab hrs/wk)

Prerequisite(s): (WLD4152)

This course prepares students for pipe fitting and fabrication certification tests. The course emphasis will be applied to 5G and 6G pipe certifications.

This course may be taken 1 time for credit.

Course classification: CTE

WLD4155 Fitting & Fabrication 3-4 credits (1 lec, 4 lec lab hrs/wk/cr)

Prerequisite(s): (WLD101)

Emphasizes layout and fitting skills applicable to an industrial welding and fabrication shop including reading prints, estimating and ordering material, performing layout and cutting work, fitting pieces into assemblies, and weld-out procedures applicable to fabricating a finished product. Emphasizes problem-solving and cooperation within an industrial-like environment. Safety, accuracy, quality, and a commitment to excellence emphasized.

This course may be taken 1 time for credit.

Course classification: CTE

Women's Studies (WS)

WS101 Introduction to Women's Studies 3 credits (3 lec hrs/wk)

An overview of women's issues including violence against women, media images, economics, sexuality, spirituality and a global perspective on women's concerns. This is a process-oriented class that personalizes readings and lectures by interaction in small group discussion. Focuses on contextual understanding of women's history and experiences; past, present and future.

This course may be taken 1 time for credit.

Course classification: LDC

Writing (WR)

WR115 Introduction to Expository Writing 3 credits (3 lec hrs/wk)

Prerequisite(s): (WR90)

This course presents the fundamentals and development of expository prose through frequent writing exercises. It is designed to help students learn the use of unity, clarity, coherence, and detail in the development of written ideas in the workplace.

This course may be taken 1 time for credit.

Course classification: LDC

WR121 English Composition 3 credits (3 lec hrs/wk)

Prerequisite(s): (WR115) or (WR90)

Corequisite(s): (LIB0650)

This course presents the fundamentals and development of expository prose through frequent writing exercises. It is designed to help students learn the use of unity, clarity, coherence, and detail in the development of written ideas.

This course may be taken 1 time for credit.

Course classification: LDC

WR121H English Composition w/Honors 3 credits (3 lec hrs/wk)

Prerequisite(s): (WR115) or (WR90)

This course presents the fundamentals and development of expository prose through frequent writing exercises. It is designed to help students learn the use of unity, clarity, coherence, and detail in the development of written ideas. This course is part of the Honors Program.

This course may be taken 1 time for credit.

Course classification: LDC

WR122 English Composition 3 credits (3 lec hrs/wk)

Prerequisite(s): (WR121)

Corequisite(s): (LIB0652)

This course continues the preparation of the fundamentals of expository prose, with special emphasis on rhetorical principles of argumentation. Special attention is given to audience and style. The basic principles and use of logic in argumentative/persuasive writing are introduced.

This course may be taken 1 time for credit.

Course classification: LDC

WR122H English Composition w/Honors 3 credits (3 lec hrs/wk)

Prerequisite(s): (WR121)

This course presents the fundamentals of expository prose, with special emphasis on the rhetorical principles of argumentation. Special attention is given to audience and style. The basic principles of logic in argumentative/persuasive writing are introduced. Honors students will publish an argument

This course may be taken 1 time for credit.

Course classification: LDC

WR123 English Composition 3 credits (3 lec hrs/wk)

Prerequisite(s): (WR121 and WR122)

Corequisite(s): (LIB0654)

Plan, research and write papers based on an argumentative or analytical thesis from collected information. This necessitates critical reading, persuasive writing and using conventions to write and document a research paper.

This course may be taken 1 time for credit.

Course classification: LDC

WR123H English Composition with Honors 3 credits (3 lec hrs/wk)

Plan, research and write papers based on an argumentative or analytical thesis from collected information and complete an honors level real world research essay for a clearly identified reading audience. This necessitates critical reading, persuasive writing and using conventions to write and document a research paper.

This course may be taken 1 time for credit.

Course classification: LDC

WR180 Internship: Writing 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

WR227 Report Writing 3 credits (3 lec hrs/wk)

Prerequisite(s): (WR121)

Corequisite(s): (LIB0654)

Report Writing studies the composition of reports required in the technical and business professions. It includes fact gathering, organization, graphic layout, and other methods of compiling data. Students will learn to quote, paraphrase and summarize sources effectively, and to cite sources and list them with a style sheet.

This course may be taken 1 time for credit.

Course classification: LDC

WR241 Imaginative Creative Writing 3 credits (3 lec hrs/wk)

This course introduces the theory, techniques, and practice of fiction writing to the beginning student. It emphasizes the short story. Part of the term is spent reading and analyzing published work in terms of such writing techniques as characterization, scenes, dialogue, thematic content, and structure. Writing exercises, both to take home and to do in the classroom, complement these discussions, and are critiqued. Part of each week is spent in a writers' workshop where student writing is discussed, analyzed, and critiqued by the class and the instructor.

This course may be taken 1 time for credit.

Course classification: LDC

WR242 Imaginative Writing Poetry Writing 3 credits (3 lec hrs/wk)

This course introduces the theory, techniques, and practice of poetry writing to the beginning student through reading published work and through writing exercises. Part of each term is spent in a writer's workshop where student writing is discussed, analyzed, and critiqued by the class and the instructor.

This course may be taken 1 time for credit.

Course classification: LDC

WR243 Imaginative Writing Explorations 3 credits (3 lec hrs/wk)

This course centers on discussion of the techniques of play writing and monologue writing through the reading and analysis of published work and through writing exercises. Areas to be explored depend upon student and teacher interest. Part of each week is spent in a writer's workshop where student writing is discussed, analyzed, and critiqued by the class and the instructor.

This course may be taken 1 time for credit.

Course classification: LDC

WR250 Autobiography Writing 3 credits (3 lec hrs/wk)

Introduces students to the techniques of writing an autobiography. Includes method, style, and organization. Both students and non-students works are discovered in class in order to develop writing techniques.

This course may be taken 1 time for credit.

Course classification: LDC

WR280 CWE: Writing 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Offers career exploration and workplace experience within a widely defined number of supervised settings which provide professional experience in the field of writing.

This course may be taken 12 times for credit.

Course classification: LDC

WR80 Sentence Fundamentals 3 credits (3 lec hrs/wk)

This course is designed to teach the student the skills of writing well formed, grammatically correct, varied sentences within the context of a paragraph or essay. This course cannot be taken toward an associate's degree.

This course may be taken 1 time for credit.

Course classification: DEV

WR90 Paragraph Fundamentals 3 credits (3 lec hrs/wk)

Paragraph Fundamentals is designed to help students write clear, correct paragraphs in standard English. A final goal is to have students organize paragraphs into an extended essay. The class will include discussion of grammar, punctuation, and conventions of style and usage.

This course may be taken 1 time for credit.

Course classification: DEV

WR90R Academic Literacy 4 credits (4 lec hrs/wk)

A reading comprehension and writing skills course that prepares students to actively, purposely, and rhetorically engage in college-level literacy.

This course may be taken 1 time for credit.

Course classification: DEV

WR95 English Composition Fundamentals 1 credit (2 lec lab hrs/wk)

English Composition Fundamentals provides intensive instruction and practice in writing coherent paragraphs and essays for specific audiences. It focuses on the recursive writing process, sentence structure, paragraph structure, essay structure, grammar, mechanics, and usage. This course is the co-requisite course to be taken concurrently with WR 115 or WR 121.

This course may be taken 1 time for credit.

Course classification: DEV

STUDENT RESOURCES

This section of the catalog includes academic information, as well as materials describing your rights and responsibilities, and campus programs. As a student at Southwestern you have access to many resources. Take a look at the areas listed in the navigation bar for this section to quickly find information you want and need.

Here's a brief summary of each area in this section:

Community Education and Workforce Development: Personal enrichment and lifelong learning opportunities

Courses: Information on course numbering, how credit is assigned, and term length

Grades/Academic Standing: Grading and course repeating rules, transferring credit to Southwestern, alternate ways to earn credit (CLEP, AP, challenge), honors you can earn at Southwestern

Graduation: Both applying for graduation and the commencement ceremony

Special Programs: List of services offered by the College to support students

TRIO Student Support Services: Support program by application

University Center: Prepare for a smooth transition – learn about major requirements, articulations, university visits and the transfer process

Student Services: Programs and departments to support the life of students

Student Rights & Responsibilities, Code of Conduct (<https://www.socc.edu/current>) - **Student Handbook** found under *Student Life*

Engage at Southwestern

Use the resources provided to you. Join in campus life through extra-curricular activities or using services. Know your rights and responsibilities. Engage in special programs.

Get an education about your education!

Courses

Credit for Coursework

The regular college year is divided into three quarters of approximately 11 weeks each. One credit is generally allowed for each discussion or laboratory period per week. The discussion period consists of 50 minutes of lecture or discussion; the laboratory period may consist of two or more clock hours.

Summer session usually include terms of eight weeks, with class periods proportionately extended.

For each period of lecture or discussion, students are expected to spend at least two hours on outside preparation (studying).

An average course load of 15 credits of college-level coursework per quarter will normally give a student sufficient hours of credit to graduate in two years. Courses should be chosen according to an organized curriculum.

Students may take more than 18 hours per quarter with advisor approval. Advisors may allow an overload through myLakerLink or signing a registration form located at the Student First Stop Center (<https://www.socc.edu/firststop>).

Course Numbering System

COURSES NUMBERED 0100-0499 (not section numbers) do not carry grades or credit. Tuition is charged per clock hour.

COURSES NUMBERED 0500-1999 may be graded (letter grade) or ungraded (pass/fail) or audit only. These courses may be credit or noncredit. Courses numbered 0500-1999 may not be applied toward a Southwestern degree or certificate unless stated in specific AAS curriculums.

COURSES NUMBERED 2000-9999, without a career technical alpha prefix (see list below) and that carry credit, may be used only as an elective for an AAS or certificate (excluding those listed as Developmental Education courses).

COURSES NUMBERED 2000-9999 may be graded or ungraded and may carry credit applicable to a Southwestern career technical degree or certificate. Career technical certificate/degree programs provide up to two years of specialized education designed to prepare the student for career-entry.

COURSES NUMBERED 100-299 are acceptable for a Southwestern degree or certificate and may or may not be eligible for transfer to four-year institutions. However, students should be aware the course or courses may be accepted as elective credit only or not at all if the credits do not fit in the student's major discipline or major. Transfer acceptability is at the discretion of the receiving institution.

Career technical courses (CTE) courses identified by the following course alpha prefixes *may* not transfer to a four-year institution. Specific transfer articulation agreements may exist. The interested student should consult with the appropriate staff at the four-year institution. Up to 12 credits of CTE courses numbered 100 and above may be used as elective credit toward the AA/OT degree.

The following departments are known to have career technical education courses at Southwestern Oregon Community College:

Code	Description
AC	Accounting
AH	Allied Health
CIS	Computer Information Systems
CJ	Criminal Justice
CLA	Clinical Laboratory Assistant
CRT	Culinary Arts
DEN	Dental
DRFT	Drafting
ECE	Early Childhood Education
ED	Education
EMT	Emergency Medical Technician
FS	Fire Science
HDFS	Human Development and Family Studies
HIM	Health Information Management
MFG	Machine Manufacturing Technology
MLT	Medical Laboratory Technology
MT	Machine Tool Technology
NUR/NRS	Nursing
OA	Office Administration
PHAR	Pharmacy Technician
WLD	Welding

Developmental Education Courses

The following are all Developmental Education (DEV) courses and, although they may be required by placement scores, do not fulfill any Southwestern degree or certificate requirements. Developmental Education courses build appropriate skills enabling students to be successful in college-level courses:

All CE/CEU/PDU prefix courses

MTH20	Basic Mathematics	4
MTH60	Algebra I ¹	4
MTH65	Algebra II ¹	4
MTH95	Intermediate Algebra	4
MTH98	Math Literacy	4
RD80	Reading Skills I	3
RD90	Reading Skills II	3
WR80	Sentence Fundamentals	3
WR90	Paragraph Fundamentals	3
WR90R	Academic Literacy	4

¹ Notice: MTH60 Algebra I and MTH65 Algebra II were revised for the 2014-15 academic year. MTH60 Algebra I and MTH65 Algebra II credits received prior to 2014-15 follow a differing course description and are not academically equivalent.

Course Number Change

In the event a course number has been changed from a career technical number to a college-level number, the college-level number will appear on the permanent record only for those who took the class after the change was approved.

Grades/Academic Standing

Transfer Credits

Transferring from Southwestern

Transfer students are responsible for determining the requirements of the institution and program to which they plan to transfer. Official Southwestern transcripts can be ordered and delivered by using myLakerLink (<https://www.socc.edu/firststop/transcripts>) or visiting the Student First Stop (<https://www.socc.edu/firststop>) Center.

Transferring to Southwestern

Southwestern Oregon Community College accepts college level credits earned in academic certificate and degree programs from colleges and universities accredited by one of the following regional Associations of Colleges and Schools – Middle States, North Central, New England, Northwest, Southern or Western.

Official transcripts are processed after the students have been formally accepted to the college. Send official transcripts to the Student First Stop Center. Send placement test scores to Educational Support Programs and Services (ESPS).

Credit may be granted for military courses based upon The Guide to the Evaluation of Educational Experiences in the Armed Services and if the courses apply to the student's Southwestern majors. Three (3) credit hours of PE 185 Sport/Activity courses may be granted toward an associate's degree at Southwestern for completion of military basic training.

Credit for Prior Learning

Credit for Prior Learning is an opportunity for Southwestern students to be granted credit for verifiable, college-level learning that is acquired outside the college setting through life or work experience. There are several ways to gain Credit for Prior Learning, including the College Level Entrance Examination Program (CLEP), challenge exams by course, Advanced Placement Program (APP), military training, industry certifications/training programs, or Prior Learning Assessments (PLA). Talk to your advisor to learn more about options.

Students must be working toward a degree, be enrolled, and complete a minimum of three credits at Southwestern during the quarter in which a class is challenged or prior learning is assessed. Students may request credit for prior learning for up to 25% of their credits to satisfy the requirements for a one-year certificate or two-year degree. If planning to transfer to another institution, it is recommended that the student check with their intended transfer school for acceptance of challenge/PLA credits. Challenge/PLA credits do not count toward determining financial aid or veteran's benefits and payment (half the tuition) is required before the Challenge/PLA process is started.

Advanced Placement Program (APP)

High school seniors who participate in the College Entrance Examination Board's Advanced Placement Program may seek advanced placement in a variety of disciplines. Entering freshman who have taken the APP tests should have the results sent to the Student First Stop Center (<https://www.socc.edu/firststop>). Advanced placement and/or college credit may be granted upon recommendation of the appropriate party. Credit may be granted only if students are working towards a degree/certificate, enrolled and completed a minimum of three credits at Southwestern during the quarter. The Student First Stop Center and the Educational

Support and Programs Services (<https://www.socc.edu/esps>) can provide interested students with procedures.

Course Challenge

Students who believe that they have the knowledge and skills from life experience, industry training or professional certification, may request to challenge a course by petition or by an examination in lieu of class attendance. (Laboratory classes may be challenged with the approval of the dean/faculty.) Successful challenge results in grade and credit on the Southwestern permanent record identified as credit for challenge. Credit may be granted only if the students are working towards a degree/certificate, enrolled and completed a minimum of three credits at Southwestern during the quarter the challenge is assessed. The Student First Stop (<https://www.socc.edu/firststop>) Center and the Educational Support Programs and Services (<https://www.socc.edu/esps>) will provide interested students with procedures.

Students may not drop or withdraw from challenged courses. Financial aid recipients cannot use financial aid dollars to "challenge" courses.

College Level Examination Program (CLEP)

Students enrolled at Southwestern may receive credit for certain college courses by submitting official scores from the College Level Entrance Examination Program (CLEP). Successful CLEP exam results in grade and credit on the Southwestern permanent record identified as CLEP. The Student First Stop Center and the Educational Support Programs and Services can provide interested students with procedures. Click here (<https://www.socc.edu/academics/alternative-credits>) to learn more about specific tests, credits and equivalent scores.

Accelerated Learning / High School Dual Credit

Accelerated Learning is under Southwestern Oregon Community College's Dual Credit program. In cooperation with certain high schools, Southwestern offers students the opportunity to earn both Southwestern lower division transfer credit and career technical credit through submission and acceptance of a registration form per college deadlines, and completion of course materials and standards as approved by Southwestern. A list of high schools and courses approved to earn Southwestern credit is available online at the High School Connections (<https://www.socc.edu/highschool>) webpage. Each high school's counseling office will also have a list of courses approved at that school. The list varies among high schools.

Earned credit will be transcribed to a Southwestern permanent record. Earning Southwestern credit at a high school does not automatically enroll a person in a Southwestern certificate or degree program. Southwestern admissions procedures and requirements must still be met. Credit transfer acceptability is at the discretion of the receiving institution.

Grade Point Average

Code	Description
A	Excellent: 4 grade points
B	Above Average: 3 grade points
C	Average: 2 grade points
D	Below Average: 1 grade point
F	Failing: 0 grade points

Z	Grades were not received from the instructor. Grades will be entered and available via myLakerLink once they are received.
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- Southwestern computes GPA using the 4-point system and by dividing the total grade points by the total quality credits.
- Grades are assigned based on work completed at the end of the scheduled class time. Additional work or make-up after the ending date of the class is not justified unless an Incomplete was assigned.
- Grades and/or records found to be fraudulent will be changed.
- **Grades are not mailed; they are available via myLakerLink.**

Incomplete Grades

Code	Description
I	Incomplete: 0 points per credit hour – 'I' grade is given for work that could not be completed during the finals week for the term because of circumstances beyond the student's control. 'I' grades require the student's current earned letter grade to be attached to the 'I' grade and the date when the Incomplete contract is to expire. If the student does not fulfill her/his contract within the designated time, the grade will automatically revert to the given grade.
IB	Incomplete 'B' earned: 3 grade points
IC	Incomplete 'C' earned: 2 grade points
ID	Incomplete 'D' earned: 1 grade point
IF	Incomplete 'F' earned: 0 grade points
IU	Incomplete Unsatisfactory earned: 0 grade points

Pass-Fail Grading Option

Certain courses offer students an option to receive a grade of S (satisfactory) or U (unsatisfactory) instead of letter grade (A, B, C, D, or F). This option must be exercised at the time of registration. Courses required for your degree program must be taken for a letter grade.

S Grade: For evaluation and transferability purposes, the 'S' grade is equivalent to a grade of C or better.

Audit Option

Students electing to audit a class (no grade, no credit) must choose this option at the time of registration or no later than the end of the sixth week of instruction for standard term-length classes. Check with the Student First Stop Center for last day to change grading status for nonstandard-length classes. Auditing students pay in accordance with the tuition schedule and participate to a degree determined by them and the instructors. Audited courses at time of registration are not eligible for financial aid.

Course Repeat and Ability to Benefit Policy

For academic purposes, the ability to benefit from instruction is defined as the ability to achieve the skill level or knowledge to apply the subject matter in an academic or practical situation. This is defined as at least an S or C grade.

A student may repeat a course once to improve a grade. A second repeat may only be attempted with the recommendation of a counselor, and a third repeat requires the approval of the Vice President of Instruction.

Refer to the Financial Aid Satisfactory Academic Progress (<https://www.socc.edu/financialaid/policies>) Policy available online.

All course attempts will remain on the transcript. Only the highest grade will be reflected in the cumulative grade point average (GPA) calculated for Southwestern cumulative gpa. Financial aid is required by Federal regulations to calculate the cumulative grade point average using the historical transcript of *all* actual grades earned.

Some courses may be taken more than once for credit (e.g., PE 185 Sport/Activity courses). In these cases, the grades of the repeated courses will reflect in the cumulative GPA.

Academic Notification System

To help students be successful, the Academic Notification System has been developed to monitor the academic progress of students.

The Academic Notification System is a three-step process designed to alert students to potential lack of progress during their academic career.

Step 1 – Academic Notification: This status results when students' term grade point average (GPA) are below satisfactory progress (2.0) or students have received two or more 'U' or 'F' grades in one term.

Step 2 – Academic Probation: If the student has received Academic Notification Status and the term GPA is again below 2.0 or the student has received two or more 'U' or 'F' grades in one term, the student is placed on academic probation. The student will continue on probation until the cumulative GPA is 2.0 or higher, provided that satisfactory progress is maintained during this time.

Step 3 – Academic Suspension: If, during any term while on probation or previous suspension, the student does not make satisfactory progress, the student will be suspended. This status results when the term GPA and current cumulative GPA are below 2.0.

Appeals for reinstatement to Southwestern Oregon Community College after academic suspension are found at Student First Stop, forms (<https://www.socc.edu/firststop/student-first-stop-forms>). Appeals for reinstatement are reviewed by the Academic Standards Committee.

Students receiving financial aid must complete an additional appeal process (FA appeal for reinstatement (<https://www.socc.edu/financialaid/forms>)) following an academic or financial aid suspension.

Students who are academically suspended, but have been absent from Southwestern for five or more years, will be automatically reinstated.

After meeting with their advisors, students must contact the transcript evaluator located in Dellwood Hall for the automatic reinstatement.

The Purpose of the Academic Notification System

To assist each student with accomplishing his/her educational goal by:

- Alerting the student and the college of academic difficulties or deficiencies.
- Providing an opportunity for the college to be of assistance to the student in setting and achieving academic goals.
- Assisting the student in utilizing the facilities and personnel of the college.
- Creating an atmosphere in which the student may be successful in his/her pursuit of an education.

Academic Honors

To graduate with academic honors, students must meet the criteria for graduation and have a 3.75 cumulative Grade Point Average (GPA). Cumulative GPA includes *all* transfer credits from other colleges. All coursework from other colleges will be included in the cumulative GPA, regardless of applicability to current coursework. Southwestern offers a number of options to achieve academic honors. To be recognized, students must meet the following criteria:

Academic Excellence

Achieve a term grade point average of 4.0 for the quarter with a minimum of 12 credit hours will be listed on the Academic Excellence Roll for that quarter.

Honor Roll

Achieve a term grade point average of 3.5 to 3.99 inclusive with a minimum of 12 credit hours will be listed on the Honor Roll for that quarter.

Dean's List

Achieve a term grade point average of 3.0 and 3.49 with a minimum of 12 credit hours will be listed on the Dean's List for that quarter.

Southwestern Scholar

Appear on the Honor Roll or achieve Academic Excellence for the entire academic year (Fall, Winter, and Spring terms).

Phi Theta Kappa

Phi Theta Kappa (<https://www.ptk.org/default.aspx>) is the international honor society for two-year colleges. Alpha Kappa Phi (https://www.ptk.org/ChapterDirectory/ChapterListing/ChapterDetails?chapter_id=000012002755) is the Southwestern chapter of Phi Theta Kappa. To join Alpha Kappa Phi, a student must have accumulated a total of 12 college-level credits at Southwestern toward an associate's degree and must have a 3.5 cumulative GPA or higher. All members must also maintain at least a 3.5 cumulative GPA.

Graduation

Students must complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

The Graduation Application is available on Southwestern graduation (<https://www.socc.edu/graduation>) website. Official transcripts from accredited colleges and universities previously attended that apply toward a Southwestern degree or certificate must be on file with the transcript evaluator. All coursework from other colleges will be included in the cumulative GPA regardless of applicability to current coursework. The cumulative GPA, including transfer work, is used to determine eligibility for graduation honors. Final approval of the Graduation Application is given only after grades have been posted for the last term's work. Diplomas and one-year certificates are mailed to the students following this process and may take two to four months to receive.

Advisors are available to assist students in selecting coursework that applies to the degree or certificate, but students have final responsibility for satisfying graduation requirements.

The graduation ceremony (commencement) is held annually in June. The process above must be completed to be eligible to participate in the commencement ceremony.

A valedictorian will be chosen for the commencement ceremony. To be considered, a student must meet the following criteria:

- Meet the requirements for graduation with an associate's degree;
- Participate in commencement;
- Have the highest GPA for the students graduating with an associate's degree; and
- Should more than one student meet the criteria, the following procedure will be used: Students meet with the executive director of enrollment management who will choose one student to deliver the commencement message at the graduation ceremony. In the event a decision is not reached, a committee will be assembled by the executive director of enrollment management to hear a short speech prepared by each candidate. A majority vote will be considered final.

Special Programs

Transitional Education

- Laker Learning Commons (<https://www.socc.edu/laker-learning-commons>)
- 541-888-1593
- Tioga Hall, 3rd Floor
-
- The Transitional Education program (<https://www.socc.edu/laker-learning-commons/transitional-education>) is for students and community members who are ready to make a positive change in their lives! We provide information, practice skills, and resources to help participants earn their GED, improve their English language abilities, and brush up on reading, writing, and math skills.

We prepare students for success in their families and communities, the workforce, and future education programs. Classes for Adult Basic Education (ABE), General Education Development (GED), and English Language Acquisition (ELA) are offered every quarter. Services are also provided at our Curry campuses in Brookings, Gold Beach, and Port Orford for those who live outside of Coos County.

Adult Basic Education (ABS)

If you have a high school diploma or GED and need some extra help in reading, writing, or math, the Adult Basic S (<https://www.socc.edu/laker-learning-commons/transitional-education/abs>)kills (<https://www.socc.edu/laker-learning-commons/transitional-education/abs>) faculty and staff can help. ABS classes can help you improve your reading and writing skills, improve math comprehension, enhance your job skills, learn to write a resume, and learn computer skills. Fee for classes is \$57 per term.

General Educational Development (GED)

GED (<https://www.socc.edu/laker-learning-commons/transitional-education/ged>) is a high school equivalency exam that is accepted as a substitute for a high school diploma. The purpose of GED classes is to improve basic skills in reading, writing, and math to prepare students to take the GED exam. The GED exam consists of four individual tests - Social Studies, Science, Reasoning through Language Arts, and Mathematical Reasoning. Day and evening classes are available on both Coos and Curry County campuses and provide large group, small group, and individualized instruction. Fee for classes is \$57 per term.

A GED can be earned by anyone who has not completed high school and who is at least 16 years old. Students who are 16 or 17 must obtain an official release from the last school district they last attended before they are permitted to take the GED exam. Home schooled students must obtain an official release from the Educational Service District before they are permitted to take the GED exam.

GED testing is available on the main Southwestern campus and the Bandon Library. Contact GED.com (<https://ged.com>) for more information and to schedule testing. Additional fees for testing apply.

English Language Acquisition (ELA)

If your native language is not English and you wish to learn English, Southwestern offers beginning and intermediate level ELA (<https://www.socc.edu/laker-learning-commons/transitional-education/ela>) classes. Students will receive instruction in speaking, reading, writing,

and listening English in a fun, safe classroom atmosphere and through experiential field trips.

College Now

- 541-888-7271
- College Now (<https://www.socc.edu/highschool>)

Southwestern's College Now (<https://www.socc.edu/highschool>) program provides high school students the opportunity to earn college credits while fulfilling high school graduation requirements. College Now programs include: Dual Credit, Expanded Options, Enhanced Options, and Alternative Options.

Dual Credit: This program provides students the opportunity to take college level coursework while still in the high school leading to a smooth, clear transition to the higher education setting. Student success in the program helps to define educational and career goals.

Expanded Options: The Expanded Options program provides eligible high school students early entry into post-secondary education. It also emphasizes specific provisions and priorities for at-risk students. The program's goal is to create a seamless education path for students enrolled in grades 11 and 12 to:

- Have additional options to continue or complete their education;
- Earn concurrent high school and college credits; and
- Gain early entry into post-secondary education.

Enhanced Options: Enhanced Options are college courses taught by a Southwestern faculty on the high school campus through a partnership between a local high school and Southwestern. There is no tuition cost to the student for participating. A school district may or may not cover the cost of textbooks or other fees. This program promotes a seamless education for 11th and 12th grade students. It provides them with additional options to continue or complete their education, earn concurrent high school and college credits, and gain early entry into post-secondary education.

Alternative Options: Home School students are eligible to earn college credits too - possibly through your sponsoring district or on a self-pay basis. Contact the College Now office for more information about your options. It's easier than you think! Southwestern currently offers classes through service area high schools in allied health, business, culinary, information technology, manufacturing and nursing. These courses are dual credit as students receive both high school and college credit. Courses offered vary by high school.

Earned credit will be on students' Southwestern transcripts. Earning Southwestern credit at a high school does not automatically enroll a student into a Southwestern certificate or degree program. Southwestern admissions procedures and requirements must still be met. Credit transfer acceptability is at the discretion of the receiving institution.

For more information, and a listing of courses offered in a specific high school contact Southwestern's In-District High School Relations Coordinator (<https://www.socc.edu/highschool>) at 541-888-7271. Also contact the high school counseling office. Courses can be limited to high school juniors and seniors.

eLearning

- 541-888-7345

- Tioga Hall, 3rd Floor

The eLearning program (<https://www.socc.edu/distance>) offers a variety of online credit courses for students who are unable to attend traditional, on-campus courses due to time constraints and/or distance from the campus. Online courses allow students to obtain lectures, complete assignments, take quizzes, and work cooperatively with other students on class projects via the Web. Some classes, referred to as hybrid courses, combine online and face-to-face classroom work.

To take an online or hybrid class, students must have access to a computer, Internet Service Provider, and web browser. Students must be able to use the Internet, check e-mail, and be able to upload and download files. Our online and hybrid credit courses are transferable and can be taken in combination with traditional, on-campus courses. For complete information, please visit our website.

Honors Program

contact phone: 541 888-7498
email honors program (honors@socc.edu) coordinator

The Honors Program (<https://www.socc.edu/honors>) offers dedicated students the opportunity to become part of a cohort of scholars, pursuing academic excellence in preparation for the rigors of university and beyond. Qualifying students will, in a great variety of courses, be challenged to delve more deeply into subject matter, conduct research, develop depth of understanding, work more closely with instructors and apply new learning to academic and service projects.

To be eligible for the program, students will enter Southwestern having graduated high school with a GPA of 3.5 or higher, or complete two Honors Option courses with a grade of A or B and have a cumulative college GPA of 3.5.

Honors Seminar Courses (1 credit each)

- Introduction to Honors
- Honors in Arts & Letters
- Honors in Math & Science
- Honors in Social Sciences President's Honors Seminar
- Honors Capstone Seminar

Honors Options

Each term, honors students will enroll in one or more courses designated with the honors option. In these courses, in addition to the regular requirements, honors students will be given special assignments, class duties and or research projects. For a list of courses with honors options, check the course schedule each term.

Honors Student Benefits

*Individualized attention and help with Honors Options projects in courses
Honors Seminars that explore current issues in different disciplines.
Guidance in developing an e-portfolio
Enriching activities
Opportunities for service-learning projects that strengthen resumes
Opportunities to explore areas of interest in greater depth
Membership in the Phi Theta Kappa Honors Society
Honors advising
Guidance in completing a capstone project that serves the college or community
President's Seminar in leadership*

Honors activities and cultural field trips

Honors Student Learning Outcomes

- Differentiate between the habits and values that lead to academic excellence and those that do not
- Work collaboratively on projects that serve the community, transcend academic disciplines, or explore career goals
- Reflect on and think critically about contemporary issues in different disciplines
- Support the development of a campus culture that values and showcases critical thinking, debate, scholarship, and creativity

Honors Program Completion Requirements

A cumulative, graduating grade point average of 3.5 or better.
Completion of at least three of the six one-credit Honors Seminars with an A or B. Completion of 30 credit hours of Honors Options and Honors Seminars. Completion of a capstone project and an e-portfolio.

Southwestern Small Business Development Center

- 541-756-6866
- 2455 Maple Leaf, North Bend

The Business Development Center (<https://www.socc.edu/sbdc>) provides practical information and services for business success. We provide specialty assistance to both rapid growth businesses and start-ups.

The Center can design training tailored to meet the needs of your business or organization. No matter the size of your operation, training can be provided that will enable you and your employees to learn or improve skills and learn new technologies. We are here to help you make your business a success!

Southwestern Foundation

- 541-888-7211
- Tioga Hall, 5th Floor
- email Foundation Office (foundation@socc.edu)
-

• The Southwestern Oregon Community College Foundation (<https://www.socc.edu/foundation>) is a non-profit organization established in 1962 to receive, hold, and disburse private funds in support of the educational programs and students of the college. The direction of the Foundation is vested in its board of directors, composed of citizens from a broad spectrum of the community. Working in small groups and committees, Foundation members assist in forming, developing, and promoting a number of worthwhile objectives, such as scholarships, equipment purchases, and support for faculty development projects.

Course Placement

The placement process assesses academic skills and helps place you into the right level of courses and also allows students to meet program/course prerequisites. More information about Southwestern's placement process can be found by contacting ESPS (<https://www.socc.edu/esps>) (under Testing Services) in Stensland Hall at 541-888-7371.

Tutoring & Writing Centers

Laker Learning Commons

541-888-1593

Tioga Hall, 3rd Floor

email Tutoring & Writing Services (llcinfo@socc.edu)

The Laker Learning Commons (<https://www.socc.edu/laker-learning-commons>) houses the Tutoring & Writing Centers and offers qualified student tutors and professional writing tutors to assist with all general course needs. Tutoring is a free service for enrolled students in credit or non-credit programs. Skype and online tutoring are also available for distance learners. For more information, please call the Commons at 541-888-1593.

TRIO Student Support Services

TRIO Student Support Services

Located in Randolph Hall, Rm 6. **Phone:** 541-888-7419 **FAX:** 541-888-7231 **Email:** sss@socc.edu

The Student Support Services (<https://www.socc.edu/sss>) (SSS) program provides academic support for low income and first-generation college students. The focus of the program is to improve the graduation and transfer rates of first-generation and low-income students, and students with disabilities at Southwestern. Services include regular one-on-one academic and career advising, tutoring, student success workshops, assistance with financial aid and scholarship applications, transfer planning, peer mentoring, and cultural enrichment.

To be eligible for the program a student must be a US citizen or permanent resident and meet at least one of the following eligibility criteria:

- Parents do not have a four-year (bachelor's) degree;
- Meet federal low income guidelines; or
- Have a documented disability.

The Southwestern TRIO-SSS program is funded by the US Department of Education at \$300,100 annually and serves 160 students each year. Applications are available on our website and in Randolph Hall, Rm 6.

Student Services

Bookstore

- 541-888-7264
- Stensland Hall

The Southwestern Bookstore has all the books and supplies you need to start classes. It also carries snacks, beverages, clothing, backpacks, study aids, greeting cards, computer software, Southwestern memorabilia, and gifts. The Bookstore offers extended hours the first two weeks of fall, winter, and spring terms.

Curry Students can visit the Southwestern bookstore at the Curry Campus in Brookings (<https://www.socc.edu/curry/curry-bookstore>).

Coos students can visit the Coos Bay campus bookstore (<https://bookstore.socc.edu/default.asp?>).

Family Center and Child Care

- 541-888-7419
- www.socc.edu/familycenter

The Educare Preschool serves children ages 2 ½ to 6 (if still in kindergarten), with the preschool portion ending at 1 p.m. and aftercare provided for children enrolled in the preschool. The pre-Educare Infant/Toddler room serves children ages 7 weeks through 2 ½ years, but only if the parent has a referral from DHS or is in the Even Start Literacy Program (i.e., this is not a drop-in child care center). The Family Center (<https://www.socc.edu/familycenter>) operates as the lab school for the Southwestern Childhood Education and Family Studies Program. For application and rate information, contact the Family Center main office.

Library

- Tioga Hall, 2nd Floor
- Circulation Desk, 541-888-7270
- Periodicals, 541-888-7268

Southwestern Oregon Community College library (<https://www.socc.edu/library>) provides resources to students, staff and community members:

- COASTLINE (Coos County Library Network Online Catalog)
- Reference materials
- Book collections
- Computer databases
- Periodicals
- Maps
- Videos
- Other audio-visual materials
- Internet access
- CD-ROM
- Hard copy and online indexes

A COASTLINE card is needed to check out materials; COASTLINE library cards can be obtained at the Southwestern circulation desk or at any COASTLINE library. Items not available on COASTLINE can be borrowed from other libraries through interlibrary loans.

Media Services

- 541-888-1531

- Randolph Hall, Rm 7

Students may access Media Services (<https://www.socc.edu/mediaservices>) equipment for use in class projects and demonstrations on a limited basis. Media Services also houses the Teleconferencing Center.

Recreation Center

- 541-888-7714

The Southwestern Oregon Community College Recreation Center (<https://www.socc.edu/reccenter>) is a recreational and entertainment masterpiece for both students and community patrons. Our facility offers a state-of-the-art Fitness Center with a wide range of Precor/Life Fitness cardio equipment, Life Fitness circuit weight machines, Hammer Strength weight machines, and modern free weight machines, barbells, and dumbbells. The Recreation Center is also home to a collegiate-sized basketball court, indoor rock climbing wall, racquetball court, activity room, dance room, game room, day-use locker rooms, and more!

Students registered for a credit class can enjoy the facility for free. Those not currently taking a credit class, can still register to use the facility at the Rec Center Front Desk.

Student Government, Student Clubs, and Co-curricular Activities

The activities on campus at Southwestern provide an exciting and intriguing way for students to enhance themselves socially, culturally, and educationally. Among the many groups at Southwestern are the Associated Student Government (<https://www.socc.edu/asg>) (ASG). Students elect the ASG Class President each spring. ASG charters clubs and organizations on campus, as well as organizes campus activities.

There are several official clubs at Southwestern and new clubs created each year to meet the changing needs of students.

Dennis Beetham Learning Hub

Tioga Hall, 4th floor

The Learning Hub provides self-paced, interactive computer programs to help students develop skills for success in college-level classes. The Math Learning Center is located in this space. The Learning Hub is located on the fourth floor of Tioga Hall, Coos campus.

University Center

Southwestern Oregon University Center

- University Center (<https://www.socc.edu/uc>)
- 541-888-1518 or 800-962-2838 ext.1518
- Stensland Hall, Rm 101 [inside ESPS]
- universitycenter@email.socc.edu

For many residents of the South Coast, obtaining a bachelor's degree or higher from one of Oregon's universities has been a costly process, requiring extensive travel or a move to the university, but now students can do it without leaving home. Through a collaborative venture between the Higher Education Coordinating Commission, Oregon public universities and Southwestern Oregon Community College, the University Center (<https://www.socc.edu/uc>) facilitates smooth transitions to four-year schools, distance learning opportunities, as well as onsite courses from Oregon's universities. Residents of communities along the South Coast can take courses and complete a range of undergraduate and graduate degrees without leaving home. Course delivery methods include limited on-site instruction for education majors, web-based or online courses, and other technologies.

With over 50 different bachelor and graduate distance degree options, there is no better time to earn your degree from home. Online programs attain an identical diploma and require the same, if not more, rigor as on-campus programs. Want to become an elementary school teacher? Learn about the bachelor's in Elementary Education satellite program offered on the South Coast in partnership with Southern Oregon University. Interested in becoming a licensed accountant? Discover CPA and CMA distance degree options through Oregon's universities. Want to advance in your health career? Get information on Oregon Institute of Technology's degree completion programs for licensed professionals. Interested in speaking with a university representative? Find out when their next visit to campus is. Whatever your academic and career goals are, the University Center is here to help you get there.

Whether students plan to stay on the South Coast or transfer to a four-year college or university, the University Center exists as an advocate to assist and support local students with pre-transfer advising, articulation information, and referral to appropriate programs and advisors at the various schools. For students entering Southwestern, a visit to the University Center can open up a world of options beyond the associate's degree. With careful planning, students can build programs that lead to bachelor's or even graduate degrees.

The University Center can also assist with special programs for schools or businesses, such as College Application Week, FASFA nights or professional development opportunities. Call 800-962-2838, ext.1518 or email (universitycenter@email.socc.edu) to inquire how we can partner with your school or business.

Eastern Oregon University

Bachelor's Degrees

- Anthropology/Sociology
- Business Administration (BAS option)
- Communications
- Early Childhood Education
- Economics
- Emergency Medical Services Administration (BAS option)
- English/Writing

- Fire Services Administration
- History
- Integrative Studies: Individualized Plan
- Integrative Studies: EOU Minor + One Minor from Other University
- Integrative Studies: Two EOU Minors
- Multidisciplinary Studies
- Politics and Economics
- Physical Activity and Health: Community Health, Exercise Science or Physical Education & Sport
- Psychology

Minors: Anthropology/Sociology; Business; Communication; Economics; English/Writing; English Speakers of Other Languages (ESOL); Health Studies; History; Writing & Rhetoric; Native American Studies; Physical Education; Political Science; Psychology; Public Policy; Spanish

Graduate Degrees

- Master of Arts in Teaching (M.A.T.)¹
- Master of Business Administration (M.B.A.)
- Master of Fine Arts (M.F.A.)¹
- Master of Science Education - Continuing Licensure or Informal Educator

Graduate Certificates/Endorsements

- ESOL; Get Focused Stay Focused; Reading; Special Education

Oregon State University

Bachelor's Degrees

- Agricultural Sciences
- Anthropology
- Business Administration
- Computer Science (special post-baccalaureate)
- Economics
- Environmental Economics and Policy
- Environmental Sciences
- Fisheries and Wildlife Sciences
- French
- German
- History
- Horticulture
- Human Development and Family Sciences
- Liberal Studies
- Natural Resources
- Political Science
- Psychology
- Rangeland Science
- Sociology
- Spanish
- Sustainability (double-degree program)
- Women, Gender and Sexual Studies

Minors: Ag. Business Mngmnt; Anthropology; Business and Entrepreneurship; Chemistry; Economics; Education; Environmental Science; Fisheries & Wildlife; French; Geographic Information Science (GIS); Geography; German; History; Horticulture; Leadership; Natural Resources; Political Science; Popular Music; Psychology; Public Health;

Resource Economics; Sociology; Spanish; Sustainability; Women, Gender & Sexuality Studies; Writing

Graduate Degrees

- Ed.D./Ph.D. Comm. College Leadership or Higher Ed. Leadership¹
- Ed.M. Adult and Higher Education¹
- M.A.T. - Initial Teacher Licensure in Elementary Ed.¹
- M.B.A.¹
- Master of Education - Continuing Licensure or Informal Educator
- Master of Engineering in Industrial Engineering (management focus)
- Master's/Ph.D. in Counseling - Clinical Mental Health or School Counseling¹
- Master of Natural Resources
- Master of Public Policy (M.P.P.)
- M.H.P. Radiation Health Physics (no thesis)
- M.S. Data Analytics

Graduate Certificates & Endorsements

- Business Analytics; College and University Teaching; Data Analytics; ESOL; Financial Planning; Fisheries Management; Forest and Climate Change; GIScience; Public Health; Sustainable Natural Resources; Urban Forestry; Water Conflict Mngmnt.; Wildlife Mngmnt.

Oregon Institute of Technology

Bachelor's Degrees

- Applied Psychology
- Health Informatics
- Information Technology
- Operations Management (OM)
- Techonolgy & Management

Degree Completion Programs (for lic. professionals)

- Dental Hygiene; Diagnostic Medical Sonography; Echocardiography; Health Care Management; Radiologic Science; Respiratory Care; Vascular Technology

Minors: Business; Information Technology; Psychology

Graduate Degree

- Master of Science Allied Health

Certificates & Specializations

- Badging and Micro-credentials; Clinical Sleep Health; MRI Specialization; Picture Archiving & Communication Systems; Polysomnography

Oregon Health and Science University

Bachelor's Degree

- RN - BSN Program

Portland State University

Bachelor's Degrees

- Arts & Letters
- Business Administration - Management & Leadership or Supply & Logistics Management
- Criminology and Criminal Justice
- Liberal Studies
- Social Science

Graduate Degrees

- Continuing Administrator License (CAL)
- M.B.A. - Healthcare¹

- M.A./M.S. - Curriculum and Instruction
- Master's in Early Childhood: Inclusive Ed. and Curriculum & Instruction
- M.A./M.S. - Early Intervention Special Education (Lic. option)
- M.S Business Global Supply Chain Management
- M.S.W.
- M. Visually Impaired Learner (Lic. option)¹

Certificates & Endorsements: Adv. Crime Analysis; Asperger's Syndr. and High Functioning Autism; Craft Brewing; Social Innovation; Coaching for Multi-tier System of Supports; Early Intervention; Construction Contracting; Early Childhood Ed.; Infant/Toddler Mental Health; Leadership in CCJ; ReadOregon; Strategic Communications and Public Relations; Teaching Adult Learners

Southern Oregon University

Bachelor's Degrees

- Bachelor of Applied Science (BAS) - Management or Hospitality & Tourism
- Business Administration
- Criminology & Criminal Justice
- Early Childhood Development

Graduate Degrees

- Master's in Education/Continuing Teaching License
- Master of Business Administration¹

Certificates: Accounting; English for Speakers of Other Languages (ESOL); Non-Profit Management; ReadOregon; Special Education

Western Oregon University

Bachelor's Degrees

- Fire Services Administration
- Criminal Justice (minor in Homeland Security/ Community Preparedness)

Graduate Degrees

- M.A.T. - Secondary Education¹
- M.A. - Criminal Justice¹
- M.A. - Interpreting Studies¹
- M.Ed. Information Technology¹

Certificate & Endorsements: Dual Language/Bilingual Education; Elem. Math Instructional Leadership; ESOL; Reading; Homeland Security & Comm. Preparedness; Instructional Design

University of Oregon

Bachelor's Degree

- Marine Biology (on-site at OIMB)¹

Graduate Degrees

- Applied Information Management: Information Management, Business Management, Information Design, Applied Research
- Master of Science in Marine Biology (on-site at OIMB)

Even if you are not a currently admitted U of O student, you can take a course at the U of O through the Community Education program. Students can take almost any course offered by U of O.

¹ This program may require occasional visits to campus.

PEOPLE AT SOUTHWESTERN

Administration

Balsiger, Leslie; Executive Dean of Curry Campus
J.D. Law
B.S. Liberal Studies

Belter, Joseph; Director of Residence Life
M.S. Educational Leadership and Policy
B.S. Recreational and Leisure Studies

Benoit, Michelle; Director of TRIO and Student Support Services
M.S. Education
B.A. French

Brown, Sharilyn; Director of Educational Talent Search/ Upward Bound
M.S. Social Science and Behavioral Science
B.S. Human Services
A.A. Human Services

Brunett, Emerald; Director of Facilities Services

Bunnell, Robin; Institutional Researcher
M.B.A.

Cole, Anna; Administrative Assistant to the Vice President of Instruction
A.G.S.

Corriea, Megan; Recreation Center Supervisor/Softball Coach
M.A. Coaching and Athletic Administration
B.S. Kinesiology
A.A. Physical Education

Dailey, Tim; Dean of Students
M.C. Counseling
B.S. History/Social Sciences

Dixon, Kathy; Executive Director Business Office
B.S. Accounting
A.S. Accounting

Domine, Karen; Dean of Extended Learning
M.A. Human Development
B.A. Sociology/Anthropology

Eckersley, Chris; Web Systems Specialist

Fields, Mary; Title III Project Director
M.S. Biology

Gerisch, Carl; Director of Integrated Technology Services/Chief Information Officer
A.S. Mathematics-Science

Gilroy, Matthew; Executive Director of Human Resources
M.B.A.
B.S. Business Administration

Hamner, Elise; Dean of Resource Development/College Foundation
M.A. Organizational Leadership
B.A. Technical Journalism/Business Administration

Hanlin, Shawn; Executive Director of Oregon Coast Culinary Institute
A.A.S. Culinary Arts

Herbert, Mike; Athletic Director
Ph.D. Health, Physical Education and Recreation
M.S. Kinesiology
B.S. Kinesiology

Jennings, Alane; Case Grant Administrator
M.S. Counseling
B.A. Psychology

Keller, Rodney; Dean of Lower Division Collegiate & Developmental Education
M.A. English
B.A. English
A.A. English

Mageehon, Ali; Vice President of Instruction
Ph.D. Higher Education/Adult Education

M.A. English
B.A. English/Creative Writing

Mankamy, Aleta; Curry Campus Assistant Director
M.B.A. Non-Profit Management
B.S. Graphic Communication

Mueller, Alicia; Manager of Learning Resources
M.A. Educational Training
B.S. Liberal Studies

Nicholls, Deb; Executive Assistant to the President/Board of Education
B.A.S. Management
A.A.S. Office Administration

Nicholls, Tom; Executive Director of Enrollment Management
B.S. History Economics
B.S. Education

Noland, Taya; Childhood Education Director
M.A. English
M.F.A. Creative Writing

Scott, Patty; President
Ed.D. Community College Leadership
M.A. College Student Personnel
B.S. Sociology

Severson, Jen; Executive Chef of Dining Services
A.S. Culinary Arts
A.S. Baking and Pastry Arts

Silva, Jennifer; Registrar/First Stop Supervisor
B.S. Liberal Studies

Singh, Avena; Director Financial Aid
M.B.A. Business Management – Marketing
B.S. Information Technology
A.A.O.T.

Soto, Arlene; Small Business Development Center Director
M.S. Management
B.A. Business Administration/Accounting
A.A.

Stephens, Shawna; Bookstore/Mail & Print Services Manager

Stone, Meredith; Transitional Education
B.A. English

Thomas, Joe; Public Safety Director

Walker, Susan; Director of Nursing and Allied Health
M. S. Nursing, Clinical Nurse Specialist
Women's Health Care Nurse Practitioner
B. S. Nursing

Board of Education

Harry Abel, Jr
Susan Anderson
Dave Bassett
David Bridgman
Mark Gagnon
Marcia Jensen
Ken Messerle

Emeritus Administration and Faculty

Pat Alvey
Dorothy Anacleto
John Anderson
Phillip Anderson
Rodger Barber
Thomas Bennett
Jerri Bennett-Stillmaker
John Berman

Margie Boak
Hans Boettcher
Bob Bower
Brenda Brecke
Jane Briggs
Don Burdg
Jill Christiana
John Christiansen
Harvey Crim
Kris Crusoe
Ray Daniels
Barbara Davey
Evan Davis
Michael Detwiler
Barbara Dodrill
Nathan Douthit
George Elkins
Steve Erickson
Katherine Flores
Larry Fourmet
Willi Furrer
Peggy Goergen
Dorothy Gillett
Shirley Gitchell
Linda Grosso
Dennis Hanhi
Sarah Harrold
Catherine Hockman
Charles Hower
Thomas Humphrey
Zita Ingham
Barbara Johnson
Kirk Jones
Beverly Kemper
Linda Kridelbaugh
Howard Kubli
N. William Lemoine
Ronald Lilienthal
Sharleen Lillebo
Gerry Livingston
Bruce Locker
Jim Love
Phyllis Love
Rocky Lavoie
Hugh Malafray
Bonnie Maxwell
William McGuire
Dave McKinney
Jacqueline McNeill
Sheldon Meyer
Robert Miller
Sharon Miller
Eleanor Montagna
Carol Moore
Jean Noland
John Noland
Ron Olson
Joy Parker
Patricia Parker
Janet Pretti
Ron Pullen
Clara Radcliffe

Jon Richards
Christian Rosman
Darrell Saxton
Diana Schab
Melanie Schwartz
Beverly Segner
Billie Shannon
Jim Shumake
John Speasl
Veneita Stender
Mary Stricker
Ann Sylvia
Mike Turner
Stephanie VanHorn
Sheila Ward
Terry Weaver
Bill Winfield

Faculty

A

Nikki Armstrong, Mathematics/Math Learning Center Coordinator, Assistant Professor
M.Ed. Curriculum & Teaching, 2011, University of Oregon; M.A. Mathematics, 2009, University of California; B.S. Mathematics, 2007, California State University

Amber Ashpole, Writing/Humanities, Assistant Professor
M.A. Humanities/English, 2010, California State University, Dominguez Hills; B.A. Liberal Arts, 2005, Oregon State University; A.A. , 2001, Chemeketa Community College at Oregon Coast

B

Ronald Bell, Counselor, Professor
M.C. Counseling Education, 1989, Arizona State University; M.F.A. Playwriting, 1980, University of California, Los Angeles; B.S. Theatre Arts, 1978, University of California, Los Angeles

Keshav Bidari, Computer Science Software Development, Instructor
M.S. Computer & Information Science, 2014, Southern Arkansas University

Fred Brick, History/Political Science, Professor
M.A. History/Political Science, 1990, University of Minnesota; B.A. History/Education, 1986, College of St. Thomas

Dr. Daniel Brouse, Biology, Professor
DC Chiropractic, 1998, Western State Chiropractic College; B.S. Biochemistry/Biophysics, 1995, Oregon State University

Sandra Bullock, Administrative Office Professional Instructor/Head Swimming Coach
M.S. Health Care Management, 2004, Touro University International; B.S. , 1995, U. S Coast guard

C

Chelsea Clemens, Welding/Manufacturing, Instructor
A.A.S. Welding & Fabrication, 2013, Southwestern Oregon Community College

Anthony Collins, Human Development/Academic Advisor/Cross Country and Interim Track Coach, Assistant Professor
M.Ed. Adult Education, 2000, Western Washington University; B.A. Linguistics, 1999, Western Washington University

Dr. Aaron Coyner, Physics, Instructor
Ph.D. Physics, 2008, Rice University; M.S. Physics, 2005, Rice University; B.S. Engineering Physics, 2003, University of Tulsa

D

Cheryl Davies, Psychology, Professor
M.S. Psychology, 2001, Southern Oregon University; B.Commerce Communication, 1989, McMaster University

David Deutschman, Health/Physical Ed/Baseball Coach, Instructor
M.S. Coaching & Athletic Administration, 2016, Concordia University; B.F.A. Business, 2012, Western Oregon University

Nathaniel Douda, Psychology Instructor

M.S. Cognitive Psychology, 2011, Colorado State University; B.S. Psychology, 2009, Minnesota State University

E

Noelle Ebert, Information Resources/Instructional Librarian, Instructor
M.A. Museum Studies, 2016, Western Illinois University; M. Library and Information Science, 2013, Dominican University; B.A. English, 2007, Western Illinois University

Jessica Engelke, Business, Assistant Professor
M.B.A. Human Resources Management, 2009, University of Phoenix; B.S. Business Management, 2006, University of Phoenix; A.A. General Education, 2004, Irvine Valley College

F

Dr. Robert Fields, Biology/General Science, Professor
Ph.D. Zoology, 1991, Washington State University; M.S. Biology, 1984, University of Illinois; B.S. Biology, 1981, University of Illinois

Robin Finney, Nursing, Instructor
M.A. Nursing Education, 2015, University of Mary; B.S. Nursing, 2012, Linfield College; A.A.S. Nursing, 2007, Southwestern Oregon Community College

Darrell Folck, Baking and Pastry, Professor
A.O.S Culinary Arts, 1996, California Culinary Academy

Nicole Freim, Writing, Instructor
M.A. English, 1998, University of Nevada, Las Vegas; B.A. English, 1994, Northern Illinois University; B.A. Theatre, 1994, Northern Illinois University

James Fritz, Art, Professor
M.F.A. Sculpture/Metal Casting, 1989, Southern Illinois University; B.F.A. Liberal Arts/Studio, 1983, St. John's University

G

Nilda Garzelloni Dovale, Culinary Arts, Professor
Cert. Cullinary Art/Apprentice, 1981, LA Trade Technological College; B.A. Hotel Restaurant Management, 1977, Michigan State University; A.A. General Education, 1975, Muskegon Community College

H

Halpin Hackett, Mathematics, Instructor
M.A. Mathematics, 1995, University of Louisville; B.S. Geology, 1979, University of Louisville

Trevor Hoppe, Health/Physical Ed/Men's Basketball Coach, Professor
M.A. Physical Education, 1996, Humboldt State University; B.A. Physical Education, 1992, Humboldt State University

Sean Hutcherson, Mathematics, Associate Professor
M.A. Math and Science Education, 1994, University of California, Berkeley; B.S. Mechanical Engineering, 1989, University of California, Santa Barbara

K

Bernadette Kapocias, Speech, Professor
M.A. Communication, 1997, Washington State University; B.S. Communication, 1993, Southern Oregon State College

Dr. Sara Keene, Anthropology/Sociology, Instructor
Ph.D. Development Sociology, 2017, Cornell University; M.S. Development Sociology, 2011, Cornell University; M.S. Development Studies, 2006,

School of Oriental and African Studies; B.A. Anthropology, 2004, University of California, Santa Cruz; A.A. Social Science, 2002, Columbia College

Dr. Kyriakos Kypriotakis, Mathematics, Associate Professor
Ph.D. Mathematics, 2009, University of California; M.S. Mathematical Logic, 2002, National and Kapodistrian University of Athens; B.A. Mathematics, 2000, Aristotle University of Thessaloniki

L

Kelly Leavitt, Health/PE/Athletic Trainer, Assistant Professor
M.S. Kinesiology & Leisure Studies, 2007, University of Hawaii; B.S. Athletic Training, 2004, Salisbury University

Piper Lisseveld, Computer Information Systems, Instructor
M.S. Technology Management, 2009, George Mason University; B.S. Individualized Study, Database Systems Development, 2004, George Mason University

Tasha Livingstone, Forestry/Natural Resources, Instructor
B.S. Forestry Management, 2013, Oregon State University

M

Peter Mantey, Speech, Assistant Professor
M.A. Communications, 1986, Regent University; B.F.A. Music Education, 1978, Heidelberg College

Dan Matthews, Dental Assisting, Instructor
M.S. Marine Biology, 1983, University of Oregon; B.S. Physics & English, 1974, Linfield College

Dr. Ronald Metzger, Earth Sciences, Professor
Ph.D. Geology, 1991, University of Iowa; M.S. Geology, 1988, University of Iowa; B.S. Geology, 1985, St. Lawrence University

N

Danny Neal, Health/Physical Education, Professor
M.S. Sports Coaching, 1994, United States Sports Academy; B.S. Health/PE, 1974, Southern Oregon State College

P

Karen Pederson, Medical Assistant, Instructor
B.S. Nursing, 1980, Olivet Nazarene University

Anthony Peters, Fire Science, Instructor
B.S. Organizational Leadership, 2015, Columbia Southern University;
B.A. Management, 2012, American Military University; A.A.S. Instruction: Technology & Military Science, 2011, Community College of the Air Force; A.A.S. Fire Science, 2010, Community College of the Air Force

R

Thomas Roberts, Culinary Arts, Instructor
A.A. Occupational Studies in Culinary Arts, 1985, Culinary Institute of America

Dr. Maidie Rosengarden, Childhood Education/Family Studies Associate Professor
Ed.D. Educational Leadership, 2004, Trevecca Nazarene University; M.Ed. Education/Early Childhood Education, 2002, Belmont University; B.F.A. Theatre/Art History, 1984,

Julie Ryan, EMT/Paramedic, Instructor

Cert. Paramedic, 1999, College of Emergency Services; B.A. Music, 1990,

S

Melissa Sperry, Nursing, Instructor
M.S. Nursing, 2015, Excelsior College; B.S. Nursing, 2009, Regents College; A.A.S. Nursing, 1998, Northwest College

Dr. Michael Springer, Chemistry, Instructor
Ph.D. Chemistry, 2014, University of Colorado; B.S. Chemistry, 2009, University of Nevada; B.S. Biology, 2008, University of Nevada; B.A. Philosophy & Sociology, 2005, University of Nevada

Linda Stagg-Brown, Business/Marketing, Associate Professor
M.B.A. International Business Administration, 2001, National University; B.S. Liberal Studies, 1999, Eastern Oregon University; A.A. Sociology, 1972, Ohlone Community College

T

Bryan Thurman, Welding/Manufacturing, Assistant Professor
A.A.S. Welding & Fabrication, 2012, Southwestern Oregon Community College

Randy Torres, Culinary Arts, Instructor
A.A.S. Culinary Arts, 2012, Southwestern Oregon Community College; Cert. Culinary Arts, 1999, Orange Coast College

Joseph Tremonti, Digital Design, Professor
M.F.A. Electronic Visualization, 2002, University of Illinois; B.F.A. Interdisciplinary Studies, 1999, University of Georgia

Brian Truka, Mathematics, Instructor
M.S. Mathematics, Stats & Computer Science, 2009, Marquette University; M.A. Philosophy, 2003, Marquette University; B.S. Mathematics, 1996, Bradley University

W

Adam Whitlatch, Health/PE/Men's Wrestling Coach, Associate Professor
M.S. Pedagogy/Physical Education, 2001, University of Wisconsin - La Crosse; B.S. Physical Education, 2000, Ohio University; B.S. Recreation Studies, 2000, Ohio University

Pamela Wick, Nursing, Assistant Professor
M.S. Nursing, 2011, Walden University; B.S. Nursing, 1995, Oregon Health & Science University; A.S. Nursing, 1990, American River College

Gary Will Jr, Criminal Justice Instructor
M.S. Criminal Justice, 2008, Andrew Jackson University; School of Police Staff & Command, 2003, Northwestern University; B.S. Liberal Studies, 2000, Eastern Oregon University; A.S. General Studies, 1998, Clackamas Community College

Mark Wilson, Writing/Literature, Professor
M.A. English, 1978, Washington State University; B.A. English, 1976, Northwest Nazarene College

Michael Winston, Writing, Instructor
M.A. Creative Writing, 2013, University of North Texas; B.A. English - Creative Writing, 2011, University of North Texas; B.A. Spanish, 2011, University of North Texas

Marta Wozniak, Writing, Associate Professor

M.A. English - Linguistics, 2004, Arizona State University; B.A. English, 2001, Southern Oregon University; M.A. English - Literature, 2001, Nicholas Copernicus University

SOUTHWESTERN INFORMATION

Southwestern encourages you to visit!

- Find people and places using the Coos campus map (<https://www.socc.edu/images/docs/campus-map.pdf>) or visit one of the Curry sites (<https://www.socc.edu/curry/curry-locations>).
- Drive in (p. 301) for the day or weekend
- Get to know terms used at Southwestern (p. 302)

We welcome you to our beautiful campuses

Driving Directions

Directions to Coos Campus

1988 Newmark Avenue
Coos Bay, Oregon 97420

Southwestern Oregon Community College is located in Coos Bay, Oregon, Highway 101 S, on the beautiful Oregon Coast.

Northern-Central Oregon to Coos Bay:

If you live North of Coos Bay, take I-5 South, until you reach Coos Bay/ Reedsport Exit 162 (Drain). Take Hwy 38 west and you will connect with Hwy 101 in Reedsport, Oregon. Proceed south on Hwy 101 to North Bend/ Coos Bay. (Coos Bay is approximately 115, miles from Eugene)

To the College:

Continue traveling south over the McCullough Bridge into North Bend. Turn right (west) on Virginia Street (Pony Village Mall/Airport exit sign). Drive past Pony Village Mall on Virginia Street. Turn left on Broadway. Take Broadway to Newmark Avenue (Sizzler is on the right), turn right and follow Newmark Avenue to the College. The College entrance is located across from Wal-Mart.

Southern Oregon to Coos Bay:

If you live in southern Oregon, take I-5 North. Exit at Roseburg and take Hwy 42 through Coquille. Follow the signs to Hwy 101 North to Coos Bay.

To the College: Continue on Hwy 101 through Coos Bay's downtown area. You will pass the Coos Bay Boardwalk on the right. Continue northbound past the Rodeo Steak House and Red Lion. Turn left (west) on Newmark Avenue at the stop light (Lucky Star Restaurant is on the left). Continue on west Newmark Avenue for approximately two miles. The College entrance is located on your right across from Wal-Mart.

Directions to Curry Campus

96082 Lone Ranch Pkwy
Brookings, OR 97415

Maps to all Curry locations (<https://www.socc.edu/curry/curry-locations>)

Southbound and Northbound 101:

Curry Campus is located approximately four miles north of Brookings between mile markers 353 and 354. Turn east on Lone Ranch Parkway and proceed up the hill to campus.

Southbound and Northbound I-5:

Take Exit 55 to merge onto US-199 toward Ocean Beaches/Crescent City. Go approximately 80 miles to reach Hwy 101. Turn right on Hwy 101 and proceed north. Four miles north of Brookings, after mile marker 354, turn right on Lone Ranch Parkway and proceed up hill to campus.

Additional Southwestern sites in Gold Beach and Port Orford

Gold Beach Center

Address: 29392 Ellensburg Avenue/PO Box 590

Phone: 541-247-2741

Fax: 541-247-6247

Port Orford Office

Coast Community Health Outreach Center

Address: 1312 Tichenor Ave. *The modular building directly behind the Siren's Cove Café and across the side street from the Driftwood School.*

Phone: 541-247-2741 (call for an appointment)

Glossary of Terms

Academic Advisor - Specializes in matters pertaining to students' educational programs, college policies, placement/assessment test interpretation, degree requirements, transferability, schedule planning, and graduation checks. Professional advisors are assigned to all new students at Southwestern; Faculty perform ongoing advising.

Add/Drop - A period of time in which students may change schedules by adding or dropping classes without penalty.

Administrative Withdrawal - A student who fails to attend classes during the first week of the term may, at the instructor's request, be administratively withdrawn unless the student has made prior arrangements with the instructor. Students may also be withdrawn due to inappropriate or disruptive behavior or for non-payment of tuition and fees.

Associate of Applied Science (AAS) - The AAS is a state approved associate's degree that is intended to prepare graduates for direct entry into the workforce. The AAS may also help to prepare students for career advancements, occupational licensure, or further study at the bachelor's degree.

Associate of General Studies (AGS) - The purpose of the degree in general studies is to provide the student an opportunity to pursue a broad general education during the two years at a community college. It is intended as a flexible program for the student who is not pursuing a specified curriculum in the lower division transfer or career technical area.

Associate of Arts/Oregon Transfer (AA/OT) - The AA/OT is a degree program that community college students can follow to fulfill all their lower division general education requirements for a bachelor's degree at four-year public Oregon universities. Frequently the AA/OT is accepted by private universities; make sure to check transfer guidelines.

Associate of Science/Oregon Transfer in Business (ASOT-BUS) - Any student who holds the ASOT-BUS degree that conforms to the following guidelines and who transfers to any public four-year institution in the Oregon, (University of Oregon, Oregon State University, Portland State University, Western Oregon University, Southern Oregon University, Oregon Institute of Technology and Eastern Oregon University) will have met the lower division general education requirements of that institution's bachelor's degree programs. Students transferring with this degree will have junior standing for registration purposes.

Associate of Science (AS) - The AS degree is designed for students who plan to transfer and complete a Bachelor of Science degree at a four-year institution. The degree requirements allow students more flexibility in course selection, allowing them to focus on their major requirements. *NOTE:* Completion of this degree does not guarantee that all lower division general education requirements have been met for a bachelor's degree (i.e., this is not a block transfer degree as is the AA/OT). In selecting courses for this degree, students are strongly encouraged to consult the specific transfer curriculum information with the University Center (<https://www.socc.edu/uc>), the faculty advisor, and the institution to which they intend to transfer to determine if it is an appropriate choice.

Audit - Registering for a course, paying appropriate tuition and fees, receiving instruction and evaluation, but no grade is issued and no credit awarded.

Cancelled Class - A class that is removed from the schedule due to low enrollment or for other reasons.

Career Pathways Certificate of Completion - A Career Pathways Certificate of Completion is an Oregon community college credential comprised of 12-44 credits that are wholly contained in an approved AAS degree/option or an independent Certificate of Completion (45+ credits). The Career Pathway Certificate provides a state-sanctioned credential for a course of study that: 1) acknowledges a specific skill proficiency to help students qualify for a job or enhanced employment opportunities; 2) is centered on the needs of students by providing educational options; and 3) provides the flexibility to achieve specific competencies within a longer term career path. These certificates will lead to an AAS - or even beyond. For more information see www.socc.edu/pathways.

Certificate of Completion - Awarded for a specific curriculum of fewer than 90 credits and is approved by the Higher Education Coordinating Commission. Programs that are at least 45 credits are considered One-Year Certificates of Completion and are eligible for federal financial aid (15 of the last 30 credits must be completed at Southwestern). Programs that are fewer than 45 credits are considered Less Than One Year Certificates of Completion. These programs are state approved but may not be eligible for federal financial aid (9 of the last 24 credits must be completed at Southwestern).

Class Fee - In addition to tuition, fees cover materials, services, insurance, facility use, and other costs. Current fees are listed in each term's Schedule of Classes.

Cooperative Work Experience - Instructional program designed for students to apply skills and concepts developed in the classroom to actual job situations. Cooperative work experience is available for all programs at the College with instructor consent.

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

Counselors - Individuals professionally trained to address personal issues, resolve academic anxieties, assist students in choosing career fields and majors, and problem-solve other academic difficulties. If students are on restricted academic or financial aid status, counselors (<https://www.socc.edu/esps/counselors>) work to develop individual success plans that address the specific issues inhibiting academic success.

Credit Hours - Approximate number of hours in class each week (e.g., 3 credit hours = 3 lecture hours per week); determines tuition.

Credit Load - Number of credits taken each term. Students may not take more than 18 credit hours per term without advisor or counselor consent.

Career Technical Education (CTE) - Also known as vocational education, provides academic and technical skills, knowledge and training necessary to succeed in future careers and to become lifelong learners.

Cultural Literacy - A course taken to meet the Cultural Literacy requirement which can also be used to satisfy other degree requirements. The credits for such courses will only be counted once toward the 90 credits required to complete the degree.

Curriculum - Organized program of study arranged to provide integrated cultural or professional education.

Developmental (DEV) - Courses numbered below 100 that build academic skills for college-level work; registration in these courses is based on student placement test scores.

Distribution Requirements - Three areas of study required for an associate's degree: Arts and Letters (Humanities), Social Science and Math/Science.

Drop Date - The last date on which a student may drop a class and receive a refund.

Elective - A course that may be selected from a list of alternatives in order to fulfill requirements.

Full-time Student - Enrollment in 12 or more credit hours per term.

Hybrid - Course sections that have some online time replacing some face-to-face instruction time using our eLearning system. The face-to-face classroom lecture time will be posted in myLakerLink and the course section may be marked HB.

Instructor Consent - Written permission from the course instructor, granted prior to enrollment in a course.

LC - Low cost course sections use OER textbooks and/or other course materials that have a minimal cost.

Lower Division Courses (LDC) - Courses typically numbered between 100 and 299.

Major - Primary field of study (e.g., Business, Culinary Arts); all students seeking a degree or certificate must declare a major.

NC - No cost course sections use OER textbooks and/or other course materials that cost \$0.

OER - Open education resources are free or low-cost textbooks and course materials in digital or printed format.

Oregon Transfer Module (OTM) - The OTM allows for institutional recognition of the completion of one-year (full-time equivalent) of general education coursework. Once awarded, the OTM is recognized by all of the public institutions of post-secondary education in the State.

Part-time student - Enrollment in less than 12 credit hours per term.

Payment Plan - Contract to pay one-third of total charges at time of registration, the balance payable in three equal installments during the term. A finance charge is assessed for this service.

Petition - Request for exception to accepted practice or for special consideration. The Financial Aid Office (<https://www.socc.edu/financialaid>) accepts petitions for exception to satisfactory academic progress. The Student First Stop (<https://www.socc.edu/firststop>) Coordinator accepts petitions for special consideration relative to tuition and related charges. Exceptions to program requirements are heard by the Academic Standards Committee. See the Student First Stop Center for information on the appropriate office to petition.

Placement Process - Students who will be full-time, pursuing a degree or certificate program or are receiving financial aid must have completed the placement process for reading, writing, and math before they may register. See ESPS (<https://www.socc.edu/esps>) for individual placement.

Prerequisite - Course or other educational requirement that must be completed prior to another course or before proceeding to more advanced study. Instructor consent may override a prerequisite requirement.

Quarter - Another word for "term." There are four quarters each year. Summer term is eight weeks and fall, winter, and spring terms are eleven weeks each.

Reading and Conference (R & C) - Coursework completed outside the classroom through discussions with the instructor.

Registered - Indicates student has completed registration through myLakerLink or by a registration form turned into the Student First Stop Center.

Schedule of Classes - Publication listing courses offered each term, published prior to each quarter. The schedule is mailed to each household in Coos County and is available at most offices on campus; the pamphlet also lists important dates, deadlines, and current figures for tuition, fees, and other charges. Class schedules are also available on myLakerLink.

Sequence - Set of related courses that consists of two or three successive terms of a course (e.g., BI 231, 232, 233, etc.).

Staff - Listed in the Schedule of Classes as an indicator that instructor's name was not available at press time.

Syllabus - Given to students the first day of class to provide detailed information about the course requirements. The syllabus may include detailed information about a course. It should include the grading system, attendance policies, as well as test and assignment due dates.

TBA/TBS - An abbreviation for "to be announced" and "to be scheduled." This indicates that a course is available but the specific time or place has not been determined at press time.

Term - See Quarter.

Transcript - Official record of all courses taken; a copy may be obtained from the Student First Stop Center (<https://www.socc.edu/firststop>) or ordered via myLakerLink.

Training Opportunities - Offered by Southwestern Oregon Community College to prepare students for further career options. These training opportunities are not available for financial aid funding, nor are they approved as degree or certificate programs by the Higher Education Coordinating Commission.

Withdraw(al) - The official process of stopping attendance in a class after the drop date. Student receives "W" on the transcript; W grades do not count toward grade point average. It is the student's responsibility to check for whether W grades affect using financial aid, living in student housing, or participating in intercollegiate athletics.

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