

2026 - 2027  
**COLLEGE CATALOG**

[www.centralia.edu](http://www.centralia.edu) • 360-736-9391



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# Centralia College Mission, Themes, Values, Vision, & Commitment

## Mission

Centralia College is committed to student success, academic excellence and supporting our community in an inclusive and equitable learning environment.

## Mission Focus Areas

**Student Success:** Centralia College students will progress, persist, and complete their educational endeavors.

**Academic Excellence:** Centralia College students will complete well defined educational and program goals relevant to future success.

**Supporting Community:** Centralia College will engage our communities in educational, recreational, and cultural opportunities while demonstrating equity, stewardship, and sustainability.

## College Values

At Centralia College we value:

- Student success
- Quality education and services
- Equity and inclusion
- Our diverse communities
- Stewardship and sustainability

## Vision Statement

Centralia College strives to be a responsive educational leader for our community.

# CENTRALIA COLLEGE CALENDARS

## 2026-2027

### Fall Quarter 2026

Labor Day Holiday (campus closed).....	Sept. 7
In-Service Days.....	Sept. 8-18
First Class Day.....	Sept. 21
Advising Day.....	Oct. 30
Veterans Day Holiday (campus closed).....	Nov. 11
Thanksgiving Holiday (campus closed).....	Nov. 26
Native American Heritage Day Holiday (campus closed)	Nov. 27
Last Class Day.....	Dec. 3
Final Examinations.....	Dec. 7, 8
Last Day of the Quarter.....	Dec. 9
Assessment Day.....	Dec. 9
Faculty Days.....	Dec. 10-16
Grades are Due.....	Dec. 14
Winter Break (campus closed to the public).....	Dec. 23, 24
Christmas Day Holiday (campus closed).....	Dec. 25
Quarter Break.....	Dec. 15 - Jan. 1

### Winter Quarter 2027

New Year's Holiday (campus closed).....	Jan. 1
First Class Day.....	Jan. 4
Martin Luther King Jr. Holiday (campus closed).....	Jan. 18
Advising Day.....	Feb. 12
President's Day Holiday (campus closed).....	Feb. 15
All Campus Meeting (no classes).....	Feb. 26
Assessment Day.....	Mar. 5
Last Class Day.....	Mar. 16
Final Examinations.....	Mar. 17,18
Last Day of the Quarter.....	Mar. 18
Faculty Days.....	Mar. 19,22
Grades are Due.....	Mar. 22
Quarter Break.....	Mar. 23 - Apr. 4

### Spring Quarter 2027

First Class Day.....	April 5
Advising Day.....	May 21
Memorial Day Holiday (campus closed).....	May 31
Assessment Day.....	June 11
Last Class Day.....	June 14
Final Examinations.....	June 15,16
Last Day of the Quarter.....	June 16
Commencement.....	June 17
Juneteenth Holiday (observed, campus closed).....	June 18
Grades are due.....	June 21
Faculty Day.....	June 21
Quarter Break.....	June 22 - July 4

### Summer Quarter 2027

Fourth of July Holiday (observed, campus closed).....	July 5
First Class Day.....	July 6
Last Class Day (6-week session).....	Aug. 12
Last Class Day (8-week session).....	Aug. 26
Grades are due.....	Aug. 30

## 2027-2028

### Fall Quarter 2027

Labor Day Holiday (campus closed).....	Sept. 6
In-Service Days.....	Sept. 7-10, 13-17
First Class Day.....	Sept. 20
Advising Day.....	Oct. 29
Veterans Day Holiday (campus closed).....	Nov. 11
Thanksgiving Day Holiday (campus closed).....	Nov. 25
Native American Heritage Day Holiday (campus closed).	Nov. 26
Last Class Day.....	Dec. 6
Assessment Day.....	Dec. 7
Final Examinations.....	Dec. 8,9
Last Day of the Quarter.....	Dec. 9
Faculty Days.....	Dec. 10, 13-15
Grades are Due.....	Dec. 13
Winter Break (campus closed to the public).....	Dec. 22, 23
Christmas Day Holiday (observed, campus closed).....	Dec. 2
Quarter Break.....	Dec. 16-Dec. 30

### Winter Quarter 2027

New Year's Holiday (campus closed).....	Jan. 1
First Class Day.....	Jan. 3
Martin Luther King, Jr. Holiday (campus closed).....	Jan. 17
All-Campus Meeting (closed to the public, no classes)	Feb. 4
Advising Day.....	Feb. 11
President's Day Holiday (campus closed).....	Feb. 21
Assessment Day.....	Mar. 10
Last Class Day.....	Mar. 14
Final Examinations.....	Mar. 15,16
Last Day of the Quarter.....	Mar. 16
Faculty Days.....	Mar. 17,20
Grades are Due.....	Mar. 20
Quarter Break.....	Mar. 21-Apr. 2

### Spring Quarter 2028

First Class Day.....	April 3
Advising Day.....	May 19
Memorial Day Holiday (campus closed).....	May 29
Assessment Day.....	June 9
Last Class Day.....	June 13
Final Examinations.....	June 14,15
Last Day of the Quarter.....	June 15
Commencement.....	June 16
Juneteenth Holiday (campus closed).....	June 19
Quarter Break.....	June 19-July 4
Grades are Due.....	June 20

### Summer Quarter 2028

Fourth of July Holiday (campus closed).....	July 4
First Class Day.....	July 5
Last Class Day (6-week session).....	Aug. 15
Last Class Day (8-week session).....	Aug. 29
Grades are Due.....	Sept. 1

*Calendars subject to change.*

# Campus Information & Notice of Non-Discrimination

600 Centralia College Blvd  
Centralia, WA 98531  
360-736-9391  
www.centralia.edu

**Regular Hours** (Labor Day-  
Graduation)  
8 a.m.-5 p.m. Monday-Thursday  
8 a.m.-12 p.m. Friday

**Summer Hours** (Graduation-  
Labor Day)  
8 a.m.-5 p.m. Monday-Thursday  
Closed Fridays and Holidays

As the oldest continuously operating two-year public college in the state of Washington (founded in 1925), Centralia College has a rich heritage of transfer, Career and Technical and basic skills programs serving the community. We also offer bachelor's degree programs. A community college in the truest sense, we are in the center of Centralia on a tree-lined, 30+ acre campus. The college serves Lewis and south Thurston counties with a population over 75,000.

## Notice of Non-Discrimination

Centralia College offers more than 50 associate degree and certificate options and four bachelor of applied science degrees in a variety of fields, providing a rich complement of transfer, career and technical education, basic skills, and continuing education programs. Centralia College has an open admission policy. Credential-seeking students must apply for program admission and register in the degree or certificate program of their choice.

Centralia College provides equal opportunity and access in education and employment and does not exclude, deny benefits to, or otherwise discriminate against any person on the basis of race, ethnicity, creed, color, sex, gender, citizenship status, national origin, age, marital status, religious preference, the presence of any sensory, mental, or physical disability, reliance on public assistance, sexual orientation, veteran status, political opinions or affiliations, or genetic information under any of its programs, activities and services. The College complies with all Washington State anti-discrimination laws (RCW 49.60) and the following federal laws relating to equal opportunity: Title VI and VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, and the Americans with Disabilities Act (ADA) of 1990 and subsequent amendments.

The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President of Human Resources and Equity, Joy Anglesey, Centralia College, 600 Centralia College Blvd, Centralia, WA 98531, 360-623-8943, or joy.anglesey@centralia.edu.

Centralia College publications are available in alternate formats upon request by contacting the Disability Services Office at 360-623-8966. Centralia College will take steps to ensure that the lack of English language skills will not be a barrier to admission and participation in all educational and vocational education programs.

## Accreditation

Centralia College's accreditation status is Accreditation Reaffirmed. The Northwest Commission on Colleges and Universities' (NWCCU) most recent action on the institution's accreditation status in August 2025 was to reaffirm accreditation. NWCCU is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation (CHEA).

# Education Centers and Teaching Sites

## Centralia College East

701 Airport Way • P.O. Box 87  
Morton, WA 98356  
360-623-8925 OR 360-496-5022

Centralia College East (CCEast) represents Centralia College's dedication to meeting educational needs of the residents of central and eastern Lewis County.

In addition to face-to-face, online, and virtual classes, CCEast provides educational advising, college level placement testing, registration support, Running Start testing and advising, financial aid assistance, GED testing and classes, and high school completion classes. The CCEast Organization of Students offers opportunities for leadership development as well as activities for the students.

- **Associate in Arts Degree Program.** Academic classes offered at CCEast enable students to complete a Centralia College Associate in Arts degree in two years. Pre-college level classes are available to help students get their writing and math skills college ready.
- **Skill Development Program.** Basic Education for Adults (BEa) classes prepare students for the GED and for college preparation courses. Self-paced ABE classes are offered in math, writing, and reading.
- **Other Offerings.** CCEast offers personal enrichment opportunities for credit and non-credit, including an array of community education classes, including the summer theater production performed at the Roxy Theater in Morton.

## Washington Corrections Center (WCC)

2321 W. Dayton Airport Road • P.O. Box 900  
Shelton, WA 98584  
360-426-4433, Ext. 5508

Through the Washington Corrections Center, Centralia College has provided services to students at the Washington Corrections Center since 1975. Courses offered include basic education for adults and GED testing, Construction Trades (CT), reentry life skills, and college-level instruction leading to the Associate in Arts-Direct Transfer Agreement degree. The college also provides educational navigation to assist students in identifying and pursuing academic and career goals. Educational services at WCC are possible through an interagency agreement with the State Board for Community and Technical Colleges and the Washington State Department of Corrections.

## **Cedar Creek Corrections Center (CCCC)**

1220 Bordeaux Road • P.O. Box 37  
Littlerock, WA 98556  
360-359-4132

Since 2011, Centralia College has delivered educational services to students at the Cedar Creek Corrections Center. Courses offered include basic education for adults and GED testing, Construction Trades (CT), roofing, drywall, siding, and college level instruction leading to the Associate of Arts-Direct Transfer Agreement degree. The college also provides educational navigation to assist students in identifying and pursuing academic and career goals. Educational services at CCC are possible through an interagency agreement with the State Board for Community and Technical Colleges and the Washington State Department of Corrections.

## **Centralia College at Green Hill School**

375 SW 11th Street  
Chehalis, WA 98532  
360-740-3520

College instruction leading to the Associate in Arts-Direct Transfer Agreement (AA-DTA) degree, and vocational certification is available to qualifying Green Hill School residents through a collaboration with Green Hill School, the Department of Children, Youth, and Families (DCYF), and Centralia College.

## **Externships/Internships, Clinical/Practicum**

Placement sites change quarterly. Names and addresses of the sites can be provided by calling 360-623-8963.

# Admission/Enrollment

## Enrollment Services Office

TransAlta Commons Building, Second Floor  
360-623-8976  
admissionsCC@centralia.edu

### Applying to Centralia College is easy

Applying is free and applications are accepted throughout the year for most programs. Start any quarter! Students must be at least 18 years old or have a high school diploma or GED certificate. (Exceptions apply, see Underage Admissions or Admissions for High School Diploma/GED). Running Start program participants must meet additional criteria.

Some special admission programs, including Nursing and Bachelor of Applied Science, have additional admission requirements. The Nursing program requires an application fee.

Admission to the college does not guarantee entry into all classes or programs.

Centralia College has a credit-based priority registration system that makes it easier for students to get the classes they need. Students with more credits register earlier, allowing them greater class and schedule choice. This especially benefits degree- or certificate-seeking students and those who plan to register for high demand classes.

For more information about class registration and becoming a priority student, please see the Registration section. Priority students will be assigned a faculty advisor.

***Note:** Persons with a disability who would like accommodations with any of the programs and services of the college can visit the Disability Services Office, call 360-623-8966, or email [disability@centralia.edu](mailto:disability@centralia.edu). Students are encouraged to do this as early as possible.*

# Admission as a Priority Student

To become a priority student, follow these steps:

## I. New Student

Students who are beginning college for the first time and have graduated from high school or will soon graduate, have a GED, or have reached the age of 18, follow these steps:

- A. Apply for admission online on the college website.
- B. Complete or submit placement for both math and English. There are four options:
  - Take a Next-Generation ACCUPLACER placement test on campus. For test times and instructions, contact the Testing Center at 360-623-8920 or email [cctestingcenter@centralia.edu](mailto:cctestingcenter@centralia.edu).
  - If a student has completed placement someplace else, they can submit their scores to the Enrollment Services Office. Next-Generation ACCUPLACER, applicable AP scores, and Smarter Balanced are some of the scores that will be accepted. Check with Enrollment Services to determine how long your score is valid.
  - High School Transcripts may be used for placement. Provide Enrollment Services a copy of the transcript to see if any of the completed classes qualify for placement.
  - Students who have taken an English and/or math class, with a passing grade, can use their transcripts from regionally accredited colleges to waive the appropriate placement test. Submit transcripts to Enrollment Services

## II. Transfer Student

Students who have attended another college or university can follow these steps:

- A. Apply for admission online on the college website.
- B. Complete placement in both math and English.

**Important Note:** All admission and enrollment information is sent via email to the addresses provided on the application. To avoid complications and delays, applicants should check their email often. Occasionally, acceptance emails will be sent to "junk" or "spam" folders by the email filter. Students are advised to check these folders if they are awaiting emails from Enrollment Services. Students can change their address by going to their *ctcLink* Student Homepage, clicking on the Profile tab, and clicking on Addresses.

There are three options:

- Take a Next-Generation ACCUPLACER placement test on campus. For test times and instructions, contact the Testing Center at 360-623-8920 or email [cctestingcenter@centralia.edu](mailto:cctestingcenter@centralia.edu).
- Students who have completed testing someplace else must submit their test scores to the Enrollment Services Office. Test scores must be no older than two years.
- Students who have taken an English and/or math class, with a passing grade, can use their transcripts to waive the appropriate placement test. Submit transcripts to Enrollment Services.

## III. Returning Student

Students who have attended Centralia College in the past can follow these steps:

1. Students who have been away for less than a year (1-3 academic quarters) need to submit a Returning Student Form online at [centralia.edu/admissions/returning-student.aspx](http://centralia.edu/admissions/returning-student.aspx).
2. Students who previously completed classes but have been gone more than three quarters are considered new students and can apply online at [apply.ctc.edu](http://apply.ctc.edu).
3. Students who have attended another college or university since they last took classes at Centralia College must forward an official transcript(s) to the Enrollment Services Office and submit a Credit Evaluation Request if they want their credits considered for their degree.

## Evaluation of Transfer Credits

The Enrollment Services Office determines which credits transfer and how they apply to a degree or program. Transfer of credits and the application requesting credits be evaluated and transferred to a degree or program are two separate but related processes. Not all transfer credits apply to every degree or certificate. Semester credits convert to quarter credits by multiplying the semester credits by 1.5. **Note:** *Credits earned at regionally accredited colleges and universities are eligible for transfer to Centralia College.*

## Request for Credit Evaluation

Centralia College uses a two-step process to determine which transfer credits apply to Centralia College degrees or certificates. Students must:

1. Have an official copy of their transcripts sent directly to the college or submit a sealed official transcript to the Enrollment Services Office.
2. Complete and submit a Request for Credit Evaluation for an official evaluation. This form is available online at [www.emailmeform.com/builder/form/5K0Q9Yj0e14C3MODzG14xgTe](http://www.emailmeform.com/builder/form/5K0Q9Yj0e14C3MODzG14xgTe). Centralia College does not evaluate transcripts without an official Credit Evaluation Request from the student.

**Note:** *Enrolled students should allow a minimum of six weeks for processing from the start of the first quarter after their transcript arrives and/or after the Request for Credit Evaluation is submitted.*

Transcripts become the property of Washington State and become part of a student's official file. They cannot be returned or sent to another school or college. Centralia College does not issue or certify copies of transcripts from other institutions.

## Academic Credit for Prior Learning

In addition to taking classes from Centralia College or transferring credits from other colleges, there are other ways students may be able to apply credits towards their program. These are called non-traditional credits. Non-traditional credits are granted on a case-by-case basis consistent with non-traditional credit requirements established by NWCCU. Students receiving non-traditional credit must meet Centralia College's degree requirements. Centralia College will recognize four categories of Credit for Non-Traditional Learning, as follows (descriptions are taken from the State Board for Community and Technical Colleges):

1. **Credit by Testing:** Commonly accepted higher education equivalency exams that are documented via transcripts or other official record. Credit by testing includes but is not limited to:

- Advanced Placement (AP). Centralia College will grant a minimum elective credit for an AP score of 3 or higher. Credit will be awarded on the basis of official AP results, not transcript notation. AP grade reports should be requested from the College Board and sent to the Enrollment Services office.
  - College-Level Examination Program (CLEP). Centralia College will grant a minimum of elective credit for CLEP Exams with scores of 50 or above. To be awarded CLEP credit, students must request an official transcript of CLEP scores be sent directly from the College Board to Enrollment Services.
  - Cambridge International (CI). Centralia College will grant a minimum elective credit for each CI Examination for A-level exam with a passing grade or above for approved examinations. Credit will be awarded on the basis of official CI Examination results, not transcript notation. Duplicate credit for the same subject taken on different exams will not be granted. No grades are posted for A-level exams.
  - International Baccalaureate (IB). Centralia College will grant a minimum elective credit for an IB Higher Level (HL) exam score of 5 or higher. Credit will be awarded on the basis of official IB results, not transcript notation, that have been submitted to Enrollment Services. For International Baccalaureate Exams, Washington community and technical colleges through the Articulation and Transfer Council (ATC) are in the process of conducting a review of Higher-Level exams for grades of 4, along with a comprehensive review of Standard Level (SL) subjects to determine credit award policies for exams with grades of 4 or higher.
2. **Prior Experiential Learning:** Knowledge and skills acquired through experience alone, evaluated by a faculty member via evaluation of a compilation of work.

3. **Extra-Institutional Learning:** Knowledge and skills acquired outside the institution and verified through third-party certifications, industry-recognized testing/ training, or crosswalks. Refer to Policy 4.121 for the Military Credit Acceptance Policy.
4. **Course Challenges:** Challenge examinations are sufficiently comprehensive to determine that the

student has the same knowledge and skills as those students who enroll in, and successfully complete, the course. A student should have previous training, private study, work experience, or other bona fide qualifications indicating the student has the knowledge or abilities equivalent to course completers.

For additional information, contact Enrollment Services.

## Admission as an Underage Student

The underage admission process applies to students currently attending high school or those who are home-schooled and are under the age of 18. When a student is younger than 18, their high school class has not graduated, and they do not have a GED, they need the permission of their high school district to enroll at Centralia College. High school juniors and seniors may be eligible to enter Centralia College as Running Start students. Students who are considered underage and are not part of the Running Start program should contact Enrollment Services for more information.

## Admission as an International Student

### Enrollment Services Office

TransAlta Commons Building, Second Floor  
360-623-8976  
intlCC@centralia.edu

Centralia College encourages and welcomes students from other countries who want to pursue a quality education. Centralia College offers academic and technical programs. For immigration and tuition purposes, international students are classified as nonimmigrant (F-1 or M-1 visa), non-U.S. citizens, and non-residents. Application forms are available online at [www.centralia.edu/international](http://www.centralia.edu/international).

### Admission Requirements

To be considered for admission to Centralia College, the following items must be submitted to the International Student Programs office via email to [intlcc@centralia.edu](mailto:intlcc@centralia.edu) or via postal mail to **International Student Programs, 600 Centralia College Blvd, Centralia, WA 98531**:

1. Completed and signed **International Student Application**
2. Proof of adequate financial support for all expenses for one academic year, e.g., official bank statement, notarized affidavit of support, embassy, agency or government letter of support. Expenses for tuition, fees, insurance, and living expenses for a year at Centralia College are available at [www.centralia.edu/international/tuition.html](http://www.centralia.edu/international/tuition.html). International students are not eligible for financial aid, but they can apply for college scholarships. Continued enrollment will require a more current statement of financial support.
3. Official transcripts from high school and all colleges attended (including all language schools, universities, etc.)
4. Copy of current passport.

5. Students with a TOEFL score higher than 500 (paper- based)/173 (computer-based)/61 (Internet-based) or an IELTS score higher than 5.5 may enroll in college- level courses after an assessment of readiness has been completed at Centralia College.

***Note:** All international students are REQUIRED to purchase student health insurance each quarter through a provider of their choice and submit proof of insurance to the Enrollment Services Office at least two weeks prior to the start of each quarter.*

# Admission as a Running Start Student

## Running Start Program

Advising/Counseling Center  
TransAlta Commons Building, Second Floor  
360-623-8967  
ccrunningstart@centralia.edu

For high school juniors and seniors who are academically ready for college-level work, Running Start provides a valuable opportunity to earn up to two years of college tuition-free while finishing their high school requirements. Running Start students may enroll in academic/transfer or professional/ technical courses. Through an agreement with the high school, Running Start students do not pay college tuition. Students pay for fees and books; these fees may be waived for low- income students.

Students can contact their high school counselor or visit the Advising/Counseling Center for more information.

**To apply for Running Start, students must return the following to the Advising/Counseling Center:**

- A. Apply online at [apply.ctc.edu](http://apply.ctc.edu)
- B. High school transcript
- C. Placement test results

Program acceptance letters will be sent after the application and qualifying placements are received with additional instructions.

# Advising/Educational Planning

## Advising/Counseling Center

Centralia College East or TransAlta Commons Building, Second Floor  
360-623-8967  
ccadvising@centralia.edu

**Assessing one's readiness for college coursework is the first step toward success as a college student.** Students that gain priority status, will be assigned a faculty advisor who will assist with planning a program of study. Only by considering one's academic readiness and life situation can one choose courses that offer the right amount of challenge and workload. An advisor can assist with these choices.

## Advising

### New Students

After applying for admission, securing funding for tuition and fees, and completing/submitted placement, students should come to the Advising/Counseling Center to schedule an advising appointment.

### Returning Students

Returning students must meet with an advisor prior to registering. Visit the Advising/Counseling Center or Centralia College East, or call 360-623-8967 to schedule an appointment.

### Current Students

Students must meet with their advisor on Advising Day or during Advising Week to plan their classes and get their registration hold released. Students are expected to contact their advisor BEFORE Advising Day to set up an advising appointment. After meeting with their advisor, students can visit their ctcLink student homepage to access their registration time and register for classes.

Students may request to change their advisor at any time.

***Note:** It is the student's responsibility to meet all graduation and transfer requirements (if applicable). The advisor only assists and is not responsible for a student's total planning.*

# Registration

## Enrollment Services Office

TransAlta Commons Building, Second Floor  
360-736-8976 Main Campus • 360-496-5022 Centralia College East  
admissionscc@centralia.edu

**Registration is the official process of enrolling in classes and is subject to the availability of open seats. Only students who are officially registered may attend class, except as permitted under Policy 3.270 Students' Guests in Class. Registration depends on the type of student and their educational plans.**

Students may enroll in classes based upon their registration status in the following order:

### 1. Early Registration

Per RCWs<sup>1,2</sup>, Centralia College provides Early Registration, which takes place before Priority Registration, to student Veterans, spouses/dependents using VA educational benefits or the state veteran waiver and some students with specific disabilities. <sup>1</sup> RCW 28B.15.624 / <sup>2</sup> RCW 28B.10.912

### 2. Priority Registration

In order to qualify for Priority Registration, students must complete the following steps:

1. Apply for Admission,
2. Intend on earning a certificate, degree or diploma,
3. Complete placement requirement(s),
4. Complete the orientation (if required), and
5. Meet with an entry advisor.

Students that have completed the process will be assigned a faculty advisor and changed to priority status. Students with priority enrollment status are given priority in selecting their classes, after students with Early Registration status, for the next quarter. Appointment times for registration are created according to total Centralia College cumulative credits earned.

Having earned at least 90 credits, students accepted into any Bachelors of Applied Sciences program(s) will receive a registration time before students working toward an associate degree/certificate.

Centralia College has the authority to determine additional populations that can be moved to an earlier registration time, regardless of units earned.

### 3. Open Registration

The period of registration in which drop-in students register is called open registration. Students interested in taking classes, workshops, non-degree programs, or learning assistance programs for personal enrichment can register during open registration. If the class is for credit and/or a grade, the student will need to apply for admission. Drop-in students register after early and priority registration. Drop-in students can register for remaining classes on a first-come, first-served, space-available basis.

### Late Registration

Students may add classes by completing and submitting a Class Registration Form or Schedule Change form to the Enrollment Services Office. Forms are available on the college's website and in the Enrollment Services Office. To add classes that are filled, students must ask for the instructor's permission and, if authorized, obtain the instructor's signature or authorization via email or Canvas. To add any class after the second day, whether it is filled or not, students must obtain the instructor's signature.

The form must be taken to the Enrollment Services Office for processing. Students will not be allowed to add a class after the first 10 days of the quarter (eighth day of summer) except in continuous enrollment classes without a Late Registration Authorization Form. For continuous enrollment or late starting courses, registration may continue after the second week of the quarter.

## **Change of Schedule/Withdrawal from Classes**

Students can add and drop classes for a limited time at the beginning of each quarter. To add or withdraw officially from a class, students must submit a Class Registration form to the Enrollment Services Office. Forms are available on the college's website and in the Enrollment Services Office. Through the first week of the quarter, students can drop their class(es) through ctcLink.

### **Important:**

- Students are strongly encouraged to consult with their advisor before adding or dropping classes. Running Start students must have their advisor's signature before adding or dropping classes. Students who are receiving financial aid and/or scholarships should consult with the Financial Aid Office to avoid jeopardizing their aid. Student who are receiving VA Educational Benefits must check in with the School Certifying Official to avoid jeopardizing their aid.
- Students who stop attending class will NOT be dropped or withdrawn automatically. Official withdrawal is required. To withdraw from a class, students must submit a Class Registration form to the Enrollment Services Office. Failing to withdraw officially may result in a failing grade in the class.
- Students are required to pay for any classes for which they register. Refunds are available for a limited time at the beginning of each quarter.

## **Student Withdrawal**

Students who withdraw from their class(es) before the Enrollment Census Date will have their name removed from the class list and no record will appear on their transcript.

If a student withdraws from the class, after the census date and by the last class day, the student will receive a grade of "W" on their transcript. Students who stop attending class will not be withdrawn automatically.

## **Faculty Initiated Withdrawal**

Students are expected to attend all classes for which they enroll. Faculty will notify Enrollment Services of all students who do not attend class or secure approval for their absence: this notification will take place after the end of the second class session, but before noon of the sixth business day from the start of the quarter.

***Note:** Faculty must notify the Enrollment Services Office of this withdrawal by noon of the sixth business day since the start of the class. If a student has attended before the first day that an instructor can drop the student for non-attendance, the student cannot be dropped from the class for non-attendance.*

## **Administrative Initiated Withdrawal**

The most common reason for administrative withdrawal is class cancellation. Administration may withdraw students for non-grade related reasons such as, but not limited to, medical, disciplinary, error, or military assignment.

# College Costs

## Enrollment Services Office

TransAlta Commons Building, Second Floor  
360-623-8976 Main Campus • 360-496-5022 Centralia College East

When estimating college costs, students are reminded to include amounts for tuition and fees, special fees, books, supplies, transportation, and living expenses. The college accepts most major credit cards for payment of tuition, fees, books, and supplies. Check with the cashier for details.

## Tuition and Fees

Tuition rates for Centralia College are set annually by the state legislature and the State Board for Community and Technical Colleges. The most up-to-date tuition rates and fees are posted on the Centralia College website.

The Associated Students of Centralia College (ASCC) student fee of \$30 per quarter will be charged in addition to tuition and fees. Student Use Fee of \$4 per credit (up to 10 credits/maximum \$40 per quarter). Student Project Fee of 5 percent per credit (up to 18 credits). Lab/course fees may apply.

- ABE/ESL - \$25 per student/per quarter
- Parent Education - \$16 per credit
- Vocational 18+ credits - No charge
- EMT - \$31 per credit
- Apprentice - \$56.62 per credit
- Veterans, child and spouse of totally disabled POW/MIA or deceased eligible veterans or National Guard members tuition waiver - 100 percent
- Space Available Basis\*
  - State Employee Waiver - \$20 per quarter up to two quarters
  - Senior Citizen Waiver - \$5 per quarter up to two classes + fees

*\*Students wanting to use this waiver can register for the class on third day of the quarter with instructor permission.*

## Financial Obligation

Students are expected to meet all financial obligations by established deadlines. Centralia College will remove students from classes by the census date if the student has an outstanding balance of more than \$300, has not qualified for a waiver, has not established a payment plan, or has not received a guarantee from a third-party payer. The college may revoke registration privileges if the student has unpaid debt of more than \$300. The college reserves the right

to send to collections any student account of more than \$300.

## Payment Plan

Centralia College offers a payment plan to help students spread the cost of tuition and fees throughout the quarter. Students can enroll in a payment plan by visiting the ctcLink Student Homepage. Click on Financial Account, then Payment Plans, then Enroll in Payment Plan.

## Residency Requirement

Students who are residents of Washington pay less for tuition than nonresident students. This is because Washington taxpayers pay the difference in cost for Washington residents. Washington law determines residency status for tuition purposes. New legislation (SB 5194), effective July 25, 2021, provides more opportunities for students to meet residency requirements for in-state tuition.

To qualify, students must meet all of the following requirements:

- Earn a high school diploma, GED, or diploma equivalent before their first term at the college determining residency.
- Maintain a primary residence in Washington for at least 12 consecutive months immediately before their first term at the college determining residency.
- Sign an affidavit saying they meet the above requirements and that one of the following is true:
  - They will file an application to become a permanent resident of the United States as soon as they are eligible to apply. And, that they are willing to engage in activities designed to prepare them for citizenship, including citizenship or civics review courses or
  - They are a U.S. citizen, U.S. national, or U.S. permanent resident.

### How to submit the affidavit:

- **Individuals who applied or will apply for state financial aid using the Washington Application for State Financial Aid (WASFA)**

WASFA-filers submitted/will submit the affidavit as part of the WASFA. The WASFA is for undocumented students, students who are not eligible for federal aid, and students who do not want to apply for federal aid.

- **Individuals who applied or will apply for federal and state financial aid using the Free Application for Federal Student Aid (FAFSA) or who are not applying for aid**

FAFSA-filers or people not applying for aid will submit a PDF form to their school.

Nonresident tuition is required of students whose legal residence is outside of Washington. There are some limited exceptions to this rule. The Enrollment Services Office can explain these exceptions.

Nonresidents of Washington pay a slightly higher rate.

International students attending Centralia College are classified as nonresidents unless they meet the qualifications above. International students pay the highest rate.

To apply to change residency classification, students must complete the Residency Questionnaire form and provide documentation within 30 calendar days of the beginning of the quarter for which they have registered. Residency forms and regulations are available in the Enrollment Services Office.

### Refund Policy

The state determines the limits of Centralia College's refund policy. Refund requests must be made to the Enrollment Services Office.

Students who officially withdraw from a class or from the college through the Enrollment Services Office may be entitled to a refund. Refunds may not be arranged by telephone. Refund policies are available on the Centralia College website.

For classes beginning after the first week of the quarter, refunds are calculated according to policies listed on the college website. Centralia College can issue a refund only after the student has paid outstanding debts. Financial aid is refunded directly to the financial aid agency. The Financial Aid Handbook has detailed information about how this is done.

Centralia College distributes refunds by check. Allow 12 business days for processing. Refunds are credited for payments made with a credit card to that credit card account. If a class is canceled, students will automatically be refunded 100 percent.

Centralia College does not refund special fees after the first class day. Centralia College does not refund lab fees after the 10th class day. Before those deadlines, Centralia College will refund the fees in full provided the student has not used the supplies. If supplies are used, the refund will be prorated.

The cashier may require verification by the instructor before refunds are made.

### Exceptions to the Refund Policy

Requests for students to have all or part of their tuition and fees refunded, to the original funder, and/or a withdrawal may be considered due to any of the following reasons:

- **Medical** reasons in accordance to the RCW 28B.15.605,
- **Military Servicemembers** called to service in accordance to the RCW 28B.10.270,
- or **Extreme Hardships**, at the discretion and approval of the Director of Enrollment Services or designee.

Contact Enrollment Services for more information.

### Non-Sufficient Funds Check Policy

Centralia College charges \$25 for each NSF (non-sufficient funds) check. This charge may be subject to change. Centralia College will place a hold on registration, grades, transcripts, etc., until students settle the NSF check and associated fees. All NSF checks will be sent to a collection agency in 15 days. The collection agency may charge an additional collection fee and interest. A student's registration may be canceled if the NSF check is for tuition (including lab and other fees).

### Appeals

If a student fails to meet their financial obligations to the college, the college will block their registration. Students have the right to make a written appeal regarding fees, refunds, fines, charges, debts, or other financial obligations to the college. Appeals can be addressed to the Director of Business Services.

# Financial Aid

## Financial Aid Office

TransAlta Commons Building, Second Floor  
360-623-8975 • 360-330-7105 Fax  
ccfinancialaid@centralia.edu

**More than 70 percent of Centralia College students receive some form of financial aid. Financial aid awards are made on a first-come, first-served basis. Early application is recommended.**

Centralia College has a financial aid priority funding deadline of April 15. Students must complete a financial aid file by this date to be considered for maximum funding. If the priority deadline is not met, the student's financial aid file will still be reviewed but, if the student qualifies, funding may not be ready by the first day of classes. In that case, students need to pay their own tuition by the posted deadline. Payment plans are available. See [www.centralia.edu/funding/pay.aspx](http://www.centralia.edu/funding/pay.aspx) for details.

Students are encouraged to check their ctcLink account to view the status of their financial aid. There, students can confirm what documents are needed and received.

## Eligibility

In general, to be eligible for financial aid students must:

1. Be a U.S. citizen or eligible non-citizen (FAFSA) or undocumented Washington resident (WASFA)
2. Have a high school diploma or GED, or meet the ability to benefit guidelines

## Applying for Aid

To apply for financial aid, students must submit the following:

1. Free Application for Federal Student Aid (FAFSA) or, for Washington residents who are undocumented, DREAMers, or DACA, the WASFA (Washington Application for State Financial Aid)
2. Centralia College Application for Admission - To be eligible for funding, students must be admitted to the college for the quarters they wish to receive funds.
3. Centralia College Financial Aid Form ([https://www.centralia.edu/funding/docs/cc\\_financial\\_aid\\_form.pdf](https://www.centralia.edu/funding/docs/cc_financial_aid_form.pdf))
4. Verification or Other Required Forms - The Financial Aid Office may need additional forms. Students will be notified by email if this occurs.

## Funding

Financial aid helps offset the cost of college. The primary responsibility for paying for education rests on the student and their family. However, if the

combined financial resources are not enough to cover expenses, students may qualify for funding from these various sources:

- Grants (federal, state or institutional funds): Federal Pell Grant, Washington College Grant, Federal Supplemental Educational Opportunity Grant, or Centralia College Grant
- WorkStudy (federal, state or institutional funds): Federal or State WorkStudy, Student Employment
- Scholarships (institutional): Centralia College (separate process for applying)

## Loans

Centralia College does not participate in the Federal Direct Loan program, but alternative loans may be available through outside lending agencies.

## Standards of Academic Progress (SAP)

To be awarded and continue to receive financial aid funds, students must meet Centralia College Financial Aid SAP standards. Students who do not meet the SAP standards or whose financial aid has been canceled have the option of submitting an appeal. The Financial Aid Office can provide additional information.

If a student is receiving financial aid and they completely withdraw from or stop attending their classes, the student may be required to repay a portion of the funds they received.

# Workforce Funding

Workforce Funding Office  
Transitional Services Building (TSB), Room 101  
360-623-8177  
ccworkforcefunding@centralia.edu

## Worker Retraining

The Worker Retraining (WRT) program provides funding to Washington State community and technical colleges for dislocated and unemployed workers to enter approved training programs. Students may receive related support services including assistance with Employment Security Department applications, financial aid, career advising, educational planning, referral to training resources, job referral, and job development. Eligible students must apply for federal financial aid.

Students may be eligible for Worker Retraining support for any of the following reasons:

- Receiving or eligible to receive unemployment benefits
- Have exhausted unemployment benefits within the past 48 months.
- Formerly self-employed and currently unemployed due to general economic conditions.
- Unemployed veteran discharged within the past 48 months.
- Unemployed or underemployed after having been dependent on another family member's income but no longer supported by that income due to separation, divorce, death, or permanent disability of the main wage earner, within in the past 48 months.
- A vulnerable worker (at risk of being unemployed) who meets certain requirements.

## WorkFirst

The WorkFirst program at Centralia College provides employment and training services to students who receive Temporary Assistance for Needy Families (TANF) from DSHS. WorkFirst can help students pay for tuition and books.

Approved programs include:

- High School Diploma
- GED
- Basic Skills
- English Language Acquisition (ELA)

- All career & technical certificates/degrees
- Continuing Education (job-related)

WorkFirst students may also qualify for WorkFirst Student Support funds, childcare, and other benefits through DSHS.

## Basic Food Employment & Training (BFET)

The BFET program can help students get the training they need for a better-paying job and economic security, to be eligible for the program, students must qualify for basic food assistance, but not be receiving Temporary Assistance for Needy Families (TANF).

BFET may assist with tuition and fees, required textbooks, and some required class supplies.

Approved programs include:

- High School Diploma
- GED
- Basic Skills
- English Language Acquisition (ELA)
- All career and technical certificates/degrees
- Continuing Education (job-related)
- Most Associate of Arts degrees (focused)

BFET may assist with tuition and fees, required textbooks, and some required class supplies.

## Early Achievers Grant (EAG)

The Early Achievers Grant is funded by the state Department of Children, Youth and Families (DCYF) and provides job training funds to individuals who work in Early Achievers childcare facilities and want to further their education in early childhood development education.

EAG may assist with tuition, fees, books and referrals to additional resources. Eligible students are encouraged to apply for federal financial aid.

## **Opportunity Grant**

The Opportunity Grant program assists low-income students enrolled in college for training in approved high-wage, high-demand career pathways. Students who qualify for the Opportunity Grant program may be eligible to receive assistance with tuition, fees, books and some supplies. The grant may pay for up to a total of 45 units over a period of three years.

Eligible Opportunity Grant students must apply for financial aid by completing the Free Application for Federal Student Aid (FAFSA). If a student is unable to complete a FAFSA due to immigration status, the student will need to complete a Washington Application for State Financial Aid (WASFA).

## **Passport to Careers**

The Passport to Careers program is designed to meet the educational needs and life goals of current Lewis County Foster Youth or alumni of foster care between the ages of 15-26.

Passport to Careers provides assistance with applications for admission, financial aid (FAFSA), scholarships and Education Training Vouchers (ETV), as well as additional support services.

## **Outside Agencies**

Students who expect to be funded by an outside agency (such as a tribe, L&I, or DVR, for example) need to ensure the payments reach the Cashier's Office by the posted quarterly deadline. Failing to do so may result in being dropped from classes. For questions, please contact the Cashier's Office at 360-623-8931 or [cashieroffice@centralia.edu](mailto:cashieroffice@centralia.edu).

# Scholarships

## Centralia College Foundation

401 Centralia College Blvd.

360-623-8942

[ccscholarships@centralia.edu](mailto:ccscholarships@centralia.edu)

Centralia College, through its foundation, has more than 250 scholarships available to new and continuing students. Scholarship applications are available on the college's and foundation's website beginning at the start of March and are typically due mid-April. Recipients are matched to the scholarships with the criteria that best fits their academic path and accomplishments. A single application applies to most of the scholarships to be awarded. There are additional steps for several scholarships, including nursing, valedictorian, and salutatorian scholarships. The foundation notifies recipients during spring quarter.

# Services For Veterans

TransAlta Commons Building, Second Floor

360-623-8976

admissionscc@centralia.edu

**Centralia College is approved to provide educational benefits to veterans, active-duty service members, National Guard, and eligible spouses/dependents who receive benefits.**

## School Certifying Official

Kathy Tukes

360-623-8553

kathy.tukes@centralia.edu

The School Certifying Official can provide the following: assistance through the education benefit application process; notification of enrollment and enrollment changes to the VA; help in interpreting, explaining, and implementing VA policies and college regulations. Any changes to a student's schedule or program must be immediately communicated to the School Certifying Official.

## Veterans Center

Kirk Library, Room 103

360-623-8958

veteranscc@centralia.edu

The Centralia College Veterans Center is a dedicated safe zone on campus for all veterans, active duty personnel and spouses/dependents currently enrolled and receiving benefits. The Veterans Center connects students to both college and community veteran's resources, as well as providing access to the computer lab, free printing, and a commons area.

## Military Credit Acceptance

In response to RCW 28B.10.057, Centralia College will evaluate and grant credit hours for military education based on the recommendations from the American Council on Education's (ACE) Guide to the Evaluation of Educational Experiences in the Armed Services. This is in accordance with transfer credit policies at Centralia College and the State Board for Community and Technical Colleges. Students are required to supply Enrollment Services with an official copy of their Joint Services Transcript (JST) or a transcript from the Community College of the Air Force, as well as previous academic transcripts.

## Early Registration

Centralia College allows early registration (as defined by RCW 28B.15.624 and HB 1052) to all eligible veterans (with qualifying DD214), National Guard members, and spouses/ dependents who are receiving VA Educational benefits. Refer to the Academic Calendar for registration dates.

## Additional Information

Selected programs of study at Centralia College are approved by the Workforce Training and Education Coordinating Board's State Approving Agency (WTEECB/SAA) for enrollment of those eligible to receive benefits under Title 38 and Title 10. USC. Centralia College does not and will not provide any commission, bonus, or other incentive payment based directly or indirectly on success in securing enrollment or financial aid to any persons or entities engaged in any student recruiting or admissions activities or in making decisions regarding the award of student financial assistance.

Centralia College is required by the VA to limit student enrollment to 85 percent veteran enrollment per cohort. In the event a veteran wishes to enroll in a class that has already reached the 85 percent cap, they may do so, but it will not be eligible for VA funding. Chapter 35 and 31 students may still enroll even if the 85 percent has been realized. Note: This applies per USC 3680A(d)(1) for each program/ concentration/ track offered at the school.

## Participation in Courses Pending VA Payment

In accordance with Title 38 US Code 3679 subsection (e), Centralia College adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) or Vocational Rehabilitation and Employment (Ch. 31) benefits, while payment to the institution is pending from the VA. This school will not:

- Prevent the student's enrollment;
- Assess a late penalty fee to;
- Require student secure alternative or additional funding;
- Deny their access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students may be required to:

- Produce the Certificate of Eligibility by the first day of class;
- Provide written request to be certified;
- Provide additional information needed to properly certify the enrollment as described in other institutional policies

# Academic Information

## Instruction Office

Walton Science Center • Room 120  
360-623-8929

## Unit System

Centralia College divides the academic year into four quarters. Fall, winter, and spring quarters are approximately 11 weeks each. Summer quarter is six to eight weeks.

The unit hours for each course are listed after the course titles in the Course Description section of this catalog. Some classes, particularly those offered through Transitional Education, offer variable units (generally from 1 to 15 units). With assistance from an advisor and/or the course instructor, students decide how many units they can reasonably carry in one quarter and register for that amount.

To earn units, students must officially register for a course and successfully complete it with a passing grade.

## Unit Hour Policy

In compliance with U.S. Department of Education regulation and Northwest Commission on Colleges and Universities policy, students can expect to spend approximately 30 hours of effort for each unit earned in courses at Centralia College regardless of modality. Units represent time. Each quarter, students must realistically assess their time commitments. Students are encouraged to take a unit load that can be managed successfully. To estimate the time needed to commit to college, students can figure three hours per week for each unit (combined class and study time). For example, a 15-unit load represents approximately 45 hours per week. Some students want to complete their associate degree in two school years. They register for an average of 15 to 18 units each quarter. Other students take fewer units each quarter, graduating when their requirements are satisfied.

## Units By Class Type

- Lecture/Theory - 1 contact hour per week per unit; 2 hours per week outside work per unit
- Lab/Guided Practice - 2 contact hours per week per unit; 1 hour per week outside work per unit
- Field Studies/Clinical Experience - 3 contact hours per unit per week; no outside work

## COURSE MODALITIES

Centralia College offers a variety of course formats called modalities. These options allow extra flexibility in scheduling classes. All of these options require some computer literacy and internet access due to the online course content.

### Face to Face

Class meets 100% instructional time on campus with required dates and times. In the quarterly schedule, these classes are identified with a C in the section code.

### Online

Class is held online with no required dates/times for meetings. All activities are delivered online through Canvas or similar system. In the quarterly class schedule these classes are identified with an O in the section code.

### Hybrid

Class meets more than 50% but less than 100% of instructional time on campus with required dates and times. In the quarterly class schedule these classes are identified with a H in the section code.

### Hybrid Plus

Class meets more than 0% but less than 50% of instructional time on campus with required dates and times. In the quarterly class schedule these classes are identified with a P in the section code.

### Virtual Hybrid

Class meets over web conferencing tools with more than 50% but less than 100% of instructional time with real-time instruction with required dates and times. In the quarterly class schedule these classes are identified with a VH in the section code.

### Virtual Plus

Class meets over web conferencing tools with more than 0% but less than 50% of instructional time with real-time instruction with required dates and times. In the quarterly class schedule these classes are identified with a VP in the section code.

***NOTE:** Persons with a disability who would like accommodations with any of the programs and services of the college can contact the Disability Services Office at 360-623-8966. Students are encouraged to do this as early as possible.*

### **Class Breaks - Policy 3.040**

Continuous lecture classes that last two or more hours should incorporate a break period at a predetermined time based on any number of criteria, such as content of the lecture, length of the class, and physical demands placed upon students. Laboratory classes or classes in which the student traditionally works independently may or may not require a break, depending on the judgment of the faculty. The cumulative time for breaks should not exceed the total of 10 minutes per hour. Students are expected to be back in class and fully productive at the end of the break period. Classes may not be shortened by

elimination of break periods.

### **Class Dismissals - Policy 3.050**

Faculty are required to hold classes in accordance with published schedules. Deviations from published schedules must be approved by the (Associate) Dean or Vice President of Instruction for performance of duties in locations other than originally scheduled.

### **Class and Office Disruptions and Student Discipline - Policy 3.060**

Centralia College exists to provide educational programs for its students. Activities that disrupt the educational process will not be tolerated. All members of the faculty and staff have a responsibility to ensure the orderly conduct of the educational process.

# Grades

Centralia College uses a numerical grading system. Instructors report passing grades from 4.0 to 1.0 in .1 increments. Instructors assign the number 0.0 for failing work and must assign a date of last attendance. Numerical grades are equivalent to letter grades as follow:

4.0-3.8 A Superior achievement

3.7-3.5 A-

3.4-3.2 B+

3.1-2.8 B High achievement

2.7-2.5 B-

2.4-2.2 C+

2.1-1.8 C Average achievement

*Note: 1.8 and 1.9 are below the 2.0 minimum requirement for program entrance or completion.*

1.7-1.5 C-

1.4-1.2 D+

1.1-1.0 D Minimum achievement

0.0 F Failure to meet minimum course requirements.

## W • Withdrawal

May be awarded only on or before the last class day. May only be student initiated. Requires dated signature of student. Not calculated in the grade point average. The college encourages students to speak with their instructor(s) before withdrawal.

## I • Incomplete

No grade points calculated. The student must have finished a substantial portion of the work, attended past the 35th class day, be passing the course (1.0 or above), and because of circumstances not ordinarily controllable by the student, was not able to finish the course prior to grading. The instructor and student must complete a detailed contract that specifies what work is remaining, and when it is due. The contract must specify the default grade, if the additional work is not accomplished by the time limit. The grade shall revert to the default grade, if no new grade is turned in by the instructor by the time limit. The instructor, student, and Enrollment Services receive copies of the contract. If there is no contract, or an incomplete contract when an "I" has been requested by the instructor, the grade shall be recorded as an \*, until a complete contract is on file with Enrollment Services. Incomplete work must be completed and submitted to the instructor by the deadline established by the instructor but not to exceed 180 days past the end of the quarter.

## N • Audit

No credit. Not calculated in grade point average.

## S • Passing with unit

Not calculated in grade point average. Used only by approved departments. Degrees and certificates may limit the use of S units.

## U • Unsatisfactory progress

Not calculated in grade point average. Used only by approved departments.

## Y • In progress

No grade point calculated. Used in courses, such as correspondence, that do not begin and end with the regular quarter calendar. Not calculated in grade point average. A student has two quarters to complete the class (an extension for a third quarter is available for an additional fee). The instructor will submit a change of grade form to Enrollment Services at the completion of the coursework within the time limit. If no new grade is turned in by the instructor a grade of 0.0 will be issued.

## Time Limitation to Change a Grade

Instructor may authorize a grade change within the next quarter of the academic year. Summer quarter is excluded (i.e., spring quarter grade changes must be made by end of fall quarter; summer quarter changes must be made by end of fall quarter).

## Course Audit

Students that are interested in auditing a course can observe class activities and receive instruction with an instructor's permission without being required to complete assignments or take exams. To audit a course, the student must complete the Schedule Change form with the instructor's signature, enroll by the census date, and pay appropriate tuition and/or fees. Auditing a course results in the class not being awarded credit or a grade. The transcript will show an "N" for an audited course and will not factor into the GPA.

## Grade Forgiveness

Grade forgiveness provides the student an opportunity to request to have specific class(es) not calculate into the GPA.

Grade forgiveness will be granted by meeting the following criteria:

- Only grades below a 2.0 GPA can be requested.
- Grade(s) must be at least one year old.
- The student must have completed a minimum of 24 units, with a cumulative GPA of 2.0 or higher, from Centralia College and/or another regionally accredited college/university since the quarter of the grade forgiveness requested.

Forgiven courses

- will remain on the student's transcript but will not be calculated in their GPA or units at Centralia College,
- cannot be used as units in any degree, certificate, diploma, or course requirement, and
- cannot be reinstated later.

*Advising Note: Forgiven grades may not be recognized by other colleges. Staff at another college could recalculate a transfer student's GPA, counting all their grades for admission and transfer purposes.*

## Academic Renewal

Academic Renewal provides the student an opportunity to have entire quarter(s) not calculate toward the GPA.

Students may request for any quarter(s) for academic renewal under the following conditions:

- The quarter(s) requested must be at least one year old.
- The requested quarter(s) cannot be used previously as units in any degree, certificate or diploma.

Academic renewal grades will remain on the student's transcript but will not calculate in their GPA or units at Centralia College and cannot be reinstated later. The request must include all courses in the quarter.

## Repeating a Course

Students who repeat a class will receive credit for taking it once with a few exceptions. The higher grade will count toward their GPA. Both grades will remain on the student's permanent record. Enrollment Services may adjust for educational or regulatory reasons.

A student can repeat a credit-bearing course, a fourth time, only to fulfill a skills requirement or academic progress in accordance with the State Board for Community and Technical College's Repeat Course Rules<sup>1,2</sup>. Students enrolled in a course, for a fourth time, will be unenrolled from that class unless the student appeals to the Director of Enrollment Services before the third business day before the start of the quarter.

<sup>1</sup>SBCTC Policy Manual Chapter 4 Appendix A

<sup>2</sup>SBCTC Policy Manual Chapter 5 Appendix A  
Reporting Enrollment

*Advising Tip: Transfer colleges may choose either grade or the average of two grades.*

## Transcripts

An official transcript is a copy of a student's academic record signed by the Director of Enrollment Services. There is a small processing fee for each official transcript. Centralia College works with Parchment to provide online transcript ordering. More information is available on the college's website.

# Student Records

## Enrollment Services Office

TransAlta Commons Building, Second Floor  
360-623-8976  
admissionscc@centralia.edu

### Student Identification Number

**All students are assigned a student identifier known as a ctcLink ID when they apply for admission to Centralia College. This number provides access to a number of services at the college.**

If a student has transferred from another college in the Washington State community and technical college system, that number will be transferred.

### Confidentiality of Student Records

The Family Educational Rights and Privacy Act (FERPA) of 1974 affords students certain rights with respect to their records. FERPA affords eligible students certain rights with respect to their education records. (An "eligible student" under FERPA is a student who is 18 years of age or older or who attends a post secondary institution.)

These rights include:

- **Inspect and review their education records.** Students may contact Enrollment Services to request an inspection of their records. A request must be submitted in writing to the Registrar. Centralia College has 45 days from the receipt of the request to arrange for access.
- **Request an amendment of their education records.** Students may submit a written request to the Registrar if they wish to have an amendment made to their education records. If Centralia College decides not to amend the student's record as requested, the student will be notified and advised of the student's right to a hearing regarding the request for an amendment.
- **Consent to disclosures of personally identifiable information contained in the student's education records,** except to the extent that FERPA authorizes disclosure without consent. Disclosure to school officials with legitimate educational interests does not require the student's consent. A school official is a person employed by Centralia College in an administrative,

supervisory, academic or research, or support staff position; a person or company with whom Centralia College has contracted (such as an attorney, auditor, or collection agency); a person serving on the Board of Trustees; or a student serving on an official committee, or assisting another school official in performing their tasks. Volunteers and interns serving in any of these capacities are also considered school officials. A school official has a legitimate educational interest if the official needs to review an education record to fulfill their professional responsibility. Upon request, Centralia College may disclose education records without consent to officials of another school in which you are currently enrolled, receive services, or seek or intend to enroll.

- **Prevent disclosure of directory information.** Centralia College routinely publishes and discloses directory information about students to various requestors. FERPA defines directory information as information contained in the education records of a student that would not generally be considered harmful or an invasion of privacy if disclosed.
  - Directory information consists of:
    - Name
    - Field of study
    - Participation in officially recognized activities and sports
    - Dates of attendance
    - Enrollment status
    - Degree or certificate earned
    - Term Degree or certificate earned
    - Honors
  - Students who would like to block Centralia College from releasing their directory information must submit a request in writing by utilizing the Student Directory Restriction Request form provided by Enrollment Services or through their ctcLink profile.

- Please note - If a restriction request is in place, Centralia College could be restricted from including the student's name in the commencement program or from providing verification of enrollment, graduation, or degrees awarded to third parties, including potential employers, insurance companies and sports recruiters. No directory information would be released to any person. Requests for confidentiality are permanent until removed in writing by the student.
- **File a complaint with the U.S. Department of Education** concerning alleged failures by Centralia College to comply with the requirements of FERPA.
  - The name and address of the office that administers FERPA is:  
 Family Policy Compliance Office  
 U.S. Department of Education  
 600 Independence Avenue, SW  
 Washington, D.C. 20202-4605

Additionally, the Solomon Amendment, a federal law, authorizes representatives from the Department of Defense to request the following information: level of education, age, date of birth, place of birth, and phone number for recruiting purposes.

### **Photo Consent Statement**

All students are advised that Centralia College, through the College Relations Office, takes photographs and shoots videos throughout the year, which may include images (as well as audio/video recordings of voices) of members of the student body and reserves the right to use them for publicity, promotional, and marketing purposes.

The College also reserves the right to take photographs of campus facilities and scenes, events, faculty, staff, and students for promotional purposes in any areas on campus or at any Centralia College-sponsored event off campus where subjects do not have a normal and reasonable expectation of privacy. All such photographs and videos are the property of Centralia College and may be used for Centralia College promotional purposes (e.g. electronic and printed publications, websites, classroom use, college ads, etc.) without prior permission of the subjects.

As a general practice, there is no attempt to collect individual photo release forms from students. Instead, College Relations makes the assumption that Centralia College students welcome involvement in these activities. However, students who do not wish to have their images/voices used for this purpose must stipulate this in writing to the College Relations Office at the beginning of the quarter. It is also expected that such students will excuse themselves from photo/video sessions and inform the Centralia College photographer/videographer that they do not wish to be included.

### **Change of Address**

When their address changes, students must notify the Enrollment Services Office by completing the Student Update Form or making the changes in their ctcLink account.

### **Name Change**

It is important that students' names are accurately reflected on their records. It is the student's responsibility to notify the Enrollment Services Office of any name change. Enrollment Services can change a name with government-issued documentation.

### **Emergency Messages**

Centralia College has no way to relay messages into classrooms or buildings. Only messages relating to accident, illness of a child, or death will be relayed to students. Contact the Enrollment Services Office. Please disclose the nature of the emergency and the college will attempt to locate the student.

### **Emergency Notifications**

The possibility of an emergency exists on the Centralia College campus. There are natural and human-caused situations that require all students, employees, and others to be notified. The college uses Singlewire Informacast to deliver mass emergency notifications to students, employees, and volunteers. This is the primary means of mass notification when emergency and selected other events and situations arise that impact normal operation of the college. To get text alerts for only Centralia College, text #ccalerts to 360-347-2347. To get text alerts for only CCEast only, text #cceastupdates to 360-347-2908.

## **Right to Know**

### **Annual Security and Fire Safety Report**

Centralia College publishes the Annual Security and Fire Safety Report each year on the college website. The report contains crime and fire statistics from the previous three years for certain on-campus, non-campus, and residential college facilities. All current and prospective students and staff are notified of this report annually. If you would like to receive a hard copy of the Annual Security and Fire Safety Report, contact Facilities Operations and Maintenance at 360-623-8947.

### **Graduation and Transfer Rate Report**

The annual graduation and transfer rate report has the percentage of Centralia College students who graduate or transfer to other colleges. A copy of this report is available by contacting the Office of the Vice President of Student Services, or by accessing it online on the college website.

# Academic Standards Policy

Centralia College is a state supported public institution. Tuition covers about 35 percent of the cost of education. Tax dollars provide the rest. The college expects students to be serious about their education and to plan for their success. The college provides many ways to help; one is by setting standards for academic success.

**Students must earn a cumulative grade point average (GPA) of 2.0 or above to be in good academic standing. If a student does not receive a cumulative GPA of 2.0 or above then the college will place the student on warning, probation, suspension, or conditional probation.**

The category depends upon how many times the student's GPA falls below 2.0. If the student raises their cumulative GPA to 2.0 or above then the college will remove any warning, probation, or suspension status. The college reserves the right to place enrollment conditions on students anytime their cumulative GPA falls below a 2.0.

## Warning

The first term the student's cumulative GPA falls below 2.0, the college will place the student on Academic Warning. There is no appeal.

## Probation

The second term that a student's cumulative GPA falls below 2.0, the college will place the student on Academic Probation. This is the final warning prior to suspension. There is no appeal.

## One-Quarter Suspension

The third term a student's cumulative GPA remains below 2.0, the college will suspend the student for one term. During the suspension, the student may not register for any course, and may not participate in events or activities reserved for students. The student has the right to appeal the suspension.

## Conditional Probation

Suspended students who return from one-term or one-year suspension or were granted an appeal will be placed on conditional probation status. Students on conditional probation status must increase their cumulative GPA to above 2.0 or meet the conditions outlined in their approved appeal. Students who meet the conditions of the appeal but do not raise their cumulative GPA to above a 2.0 will remain on conditional probation status. Students who fail to increase their cumulative GPA to above 2.0 or fail to meet the conditions of their appeal will be suspended for one year. During the suspension, the student may not register for any course, and may not participate in events or activities reserved for students. The college will remove all warning, probation, suspension or conditional probation status from students increasing their cumulative GPA to above 2.0.

## Appeals

Suspended students can submit an appeal to the Vice President of Student Services as long as they have not filed any previous appeals or have received above a 2.0 GPA in every course. In an approved appeal, the student must show proof of circumstances over which the student had no control and/or show proof of making measurable and substantial progress toward raising their GPA. The Vice President reviews appeals on a case-by-case basis. The Vice President may take the following actions on an appeal:

- Grant the appeal and move the student to conditional probation status
- Grant the appeal under certain conditions and move the student to conditional probation status
- Deny the appeal

The decision of the Vice President is final.

# Graduation And Academic Honors

Students planning to graduate need to submit an Application for Degree/Certificate form for priority evaluation. The application for Degree/Certificate is available online. Centralia College will mail diplomas or certificates approximately 60 days after the grades post at the end of the quarter.

## Priority Deadline to Submit Application for Degree/Certificate

Quarter You Plan to Finish All Required Courses for Degree/Certificate/Diploma	Apply for Graduation by This Date
Summer	April 15
Fall	July 15
Winter	Sept. 15
Spring	Nov. 15

## Time Restriction for Graduation

Students' graduation requirements are determined by the academic catalog when they began their degree programs. Students may also elect to take advantage of later changes to their degree programs by electing to use catalog requirements after time of admittance. For special admissions programs, the active catalog is when the student was admitted into the program. Students who stop attending over one year (four quarters) must reapply to the college and use the current catalog requirements at the time of readmission to the college/program. For discontinued programs, Centralia College will honor discontinued program degree requirements for five years after discontinuation of the program.

## Academic Residency

Students must earn at least 15 credits or 25 percent (whichever is lower) of the credits being applied towards the degree or certificate from Centralia College. Credit granted through academic credit for prior learning is excluded from fulfilling the academic residency requirement.

## Commencement Ceremony

A commencement ceremony is held at the end of the academic year. Students who applied for graduation during that year may take part in the ceremony. There is a fee for a graduation cap and gown.

## Academic Honors

### Quarterly Honors

Quarterly honors will be documented on the transcript in the appropriate term for all students who take 12 or more decimal graded units and qualify based on their GPA. Students who take less than 12 decimal graded units are not eligible for quarterly honors. Students with a quarterly GPA of 3.9 to 4.0 will be on the President's List. Students with a quarterly GPA of 3.75 to 3.89 will be on the Vice President's List. Students with a quarterly GPA of 3.50 to 3.74 will be on the Dean's List.

### Graduation Honors

This applies to any student who earns a degree or certificate of proficiency.

- **HIGHEST HONORS:** Students with a cumulative GPA of 3.90 to 4.0 will graduate with HIGHEST HONORS and receive a medallion and gold cord.
- **HIGH HONORS:** Students with a cumulative GPA of 3.75 to 3.89 will graduate with HIGH HONORS and will receive a gold cord.
- **HONORS:** Students with a cumulative GPA of 3.50 to 3.74 will graduate with HONORS and receive a silver cord.

Individuals receiving the honors listed above will be recognized in the commencement program and have the honor stated when their name is announced at the commencement ceremony. Honor grades are calculated through winter quarter for the commencement program and ceremony.

### Directory Restriction and Graduation/Commencement

If a directory restriction request is in place, Centralia College is prevented from including the student's name in the commencement program and public notifications. No directory information would be released to any person. Requests for confidentiality are permanent until removed in writing by the student. If a student would like to revoke the restriction for commencement purposes, they will need to contact Enrollment Services.

# Services for Students

## Advising/Counseling Center

TransAlta Commons Building, Second Floor

360-623-8967

ccadvising@centralia.edu

The Advising/Counseling Center offers a variety of services. Appointments are recommended, however, drop-in service may be available.

### Career Services

Career counseling helps students to identify suitable academic programs and career paths. In collaboration with a counselor, students discover aptitudes, interests, values, and skills through assessment and exploration. Tools available include the Strong Interest Inventory and Myers-Briggs Type Indicator® (fee applies), and other career exploration programs. These assessments and resources help students find college programs, career fields, and occupations that align with interests and aptitude. These systems can be used to search for specific information concerning training, skill needs, rate of pay, and job prospects. Students can also receive assistance with resume writing, interview preparation, and job searching.

### Counseling

Pre-admission counseling is available to prospective students to provide information about college programs and courses in their area of interest. Personal counseling and educational problem-solving helps students to manage various problems that may interfere with college success. Examples include stress, relationship problems, interpersonal conflicts, anxiety, depression, or grief. Counselors can also help students build strong study skills, manage test anxiety, set realistic goals, explore transfer information, and troubleshoot problems. Counselors help connect students with resources and services to support a positive educational experience.

### Educational Services

- **Pre-admissions Counseling:** Pre-admissions counseling can provide information about programs, courses, and services to match student interest.
- **Educational Counseling:** Educational counseling can help with study skills, academic deficiencies, test anxiety, setting realistic goals, transfer information, program planning, and class scheduling questions.

- **Test Interpretation:** Test interpretation is provided for the ACCUPLACER placement test and career inventories (Myers-Brigg-type indicators).
- **Transfer Advising:** Subject area faculty counselors can assist with application planning and researching transfer options. Transfer information for two- and four-year colleges in Washington are available in the Advising/Counseling Center.

### Welcome Desk

The Welcome Desk (located on the first floor of TransAlta Commons) provides support to potential and current students at Centralia College. Our primary goal is to create an open atmosphere of direction and support for students. We assist students in a variety of disciplines by addressing their individual needs in a constructive environment. A part of our mission is to work closely with our campus community to provide a variety of support for the campus.

Services include:

- Providing applicable program information
- Identifying "next steps" for future and current students
- Completing account set up (advising requirement)
- Systems Problem Solving: holds, etcLink login, student email, testing/placement, logging into the financial aid portal, basic understanding of information in the financial aid portal
- Identifying, documenting, and forwarding questions to other areas for complex issues
- Printing and providing support for filling out college forms
- Student ID cards
- Campus integration
- Translation services
- Email follow up
- Virtual ready for connecting with departments
- Campus tours by appointment

## **Blazer Central**

Blazer Central is a student resource and success hub located in the TransAlta Commons room 221. It is an intentional study and collaboration space that is relaxed and supportive and which offers academic and holistic programming that promotes student success.

Services include:

- Low-level technology support - student email, Canvas, Microsoft Office, etc.
- Workshops focused on study skills and habits for success, such as time management, effecting textbook reading techniques, and note-taking
- Individual support for navigating the college experience and connecting to campus resources
- The M2IND Initiative (Mentoring/Motivating for Inspiring, Networking, and Development), a peer mentoring program, pairs apprentices with mentors to help them best utilize and maximize their time at Centralia College

## **Bookstore**

TransAlta Commons Building, First Floor  
360-623-8964

[ccbookstore@centralia.edu](mailto:ccbookstore@centralia.edu)

The Centralia College Bookstore serves students, faculty, staff, and community members. As a self-supporting auxiliary of Centralia College, all revenue earned benefits Centralia College and campus programs. The bookstore offers new, used, and digital course materials, reference and study aids, art and computer supplies, stationery, snacks, Blazer gear, and gifts.

Trailblazer Trunk is a seasonal team shop, specializing in team gear and essentials operated by the bookstore. The Trailblazer Trunk is open during home games in the Michael Smith Gymnasium. Follow Centralia College Bookstore on Facebook and Instagram for more information regarding specific hours and specials. Visit [www.centraliabookstore.com](http://www.centraliabookstore.com) for information on quarterly course material, extended hours, buyback, and rental return information and to purchase Centralia College branded apparel, gifts and schools supplies.

## **Blazer Bite Cafeteria**

TransAlta Commons Building, First Floor  
Food Services offers a full line of fast foods, sandwiches, soups, salads, buffet, beverages, and a

variety of snack items for breakfast and lunch. Daily breakfast and lunch specials are posted each month in the cafeteria and online. Meal plans available.

## **Blazer Bistro**

TransAlta Commons Building, First Floor  
Blazer Bistro serves coffee, energy drinks, light snacks, and grab-and-go meals.

## **Childcare & Early Learning Programs**

Children's Development Center  
7 a.m. - 5:30 p.m. Monday-Thursday, 7 a.m. - 1:30 p.m. Fridays, year round  
412 S. Oak Street  
360-623-8949

Childcare services are available on campus for children ages 12 weeks through five years. The childcare program participates in the Washington State Early Achievers Program. Areas of specialization are Child Outcomes, Curriculum, Staff Supports, and Family Engagement and Partnership. Parents participate in the children's classroom and parenting classes. The childcare center is utilized by the Early Childhood Education programs on campus for training and observation purposes.

## **Pear Street Early Learning Center**

910 W. Pear Street  
ECEAP Preschool  
360-623-8950 or 360-623-8735 (Espanol)  
Early Childhood Education and Assistance Program (ECEAP) offers free preschool and family services funded by Washington State. It provides comprehensive services and support to eligible children 3 and 4 years old and their families. ECEAP helps children and families get ready for kindergarten and supports child's development and learning.

## **Continuing Education**

Career and Technical Education Office  
Technology Building, Room 114  
301 S. King Street 360-623-8940  
[continuinged@centralia.edu](mailto:continuinged@centralia.edu)  
[www.campusce.net/centralia](http://www.campusce.net/centralia)

Centralia College's Continuing Education department provides a wide range of non-credit classes, workshops, and certifications throughout the year. These self-supporting classes are offered at various times and locations and are intended for personal enrichment or career advancement. The Continuing Education department also creates and organizes

training programs for local businesses and industries. You can find the current class schedule on our website, or call the Continuing Education department.

## **Disability Services**

TransAlta Commons Building, Room 208A  
360-623-8966

Centralia College complies with the Americans with Disabilities Act, Section 508 of the Rehabilitation Act, and all other applicable state and federal regulations to provide reasonable accommodations to students with documented disabilities. Students with disabilities, who wish to receive assistance, should contact the Disability Services Office as soon as possible, preferably at least six weeks before the start of the quarter. Disability Services staff members will determine accommodations on an individual case-by-case basis for students that qualify. Current (usually not older than three years) documentation of the disability by a qualified professional is highly recommended to facilitate optimal services.

## **Honors and Recognition**

Phi Theta Kappa, the honor society of the two-year college, accepts students with a 3.4 or higher GPA. Contact a Centralia College advisor for information.

## **Outstanding Student Award**

Any member of the college community may nominate a student for the Outstanding Student Award. Students may also nominate themselves. The Outstanding Student Awards are presented at commencement. The Office of the Vice President of Student Services has nomination forms and information about eligibility and criteria for the award.

## **All-Washington Academic Team**

The Centralia College president names one or two students annually to the All-Washington Academic Team. These students are also nominated for the All-USA Today Academic Team, a national student recognition program. To be eligible for nomination, students must demonstrate academic achievement, community activities, and service to the college while attending Centralia College. Nominations are made during fall quarter.

## **Instructional Support**

Writing Center TransAlta Commons Building, Room 301  
360-623-8841  
writingcenter@centralia.edu

The L.G. Foss Writing Center offers support to students of all abilities working on academic writing. Trained peer consultants offer students guidance and feedback on their writing while encouraging them to apply what they learn to improving their own writing process. Students can submit their drafts online, work directly with a consultant, or utilize the writing center's computer stations and resources to work on their assignments. The writing center also hosts online and in-person workshops on writing-related topics. In addition to these student services the writing center offers support for faculty who teach writing and assign writing in their courses. Students can visit [www.centralia.edu/resources/academic/writing-center.aspx](http://www.centralia.edu/resources/academic/writing-center.aspx) to get additional information, to make appointment, or to submit a draft online.

## **PROS Speech Tutors**

TransAlta Commons Building, Room 337

This drop-in center provides help to any student with an upcoming presentation, speech, or even job interview. If it has to do with communication, these are your "Pros."

## **Peer Tutoring and STEM Center**

Walton Science Center, Room 309

Our tutoring facility offers a space for collaborative learning and academic support. From the second week of each quarter until the eve of finals, we welcome students from 9 a.m. - 3 p.m. Monday-Thursday when classes are in session.

The Peer Tutoring and STEM Center serves as a hub where students can engage in group study sessions, receive personalized guidance from faculty members, and benefit from peer-to-peer tutoring services. Our drop-in center provides complimentary tutoring services covering a spectrum of subjects including science, technology, engineering, mathematics, and more, contingent upon tutor availability. Additionally, we offer individualized and small-group tutoring sessions tailored to meet specific academic needs. Peer tutoring services are offered free of charge to registered Centralia College Students.

Prospective peer tutors are encouraged to apply, provided they maintain a minimum GPA of 3.0, secure a recommendation from a professor, and complete the requisite application process. For detailed information regarding available subjects and tutoring schedules, please visit us in person or our Canvas classroom at

<https://centralia.instructure.com/courses/1942307>.

## Kirk Library

Kirk Library Building

360-623-8956

[librarian@centralia.edu](mailto:librarian@centralia.edu)

The Kirk Library provides a robust and relevant variety of print, digital, media, and open education resources. The library website is the gateway to information resources and academic research tools. Currently enrolled students may borrow materials, access library computers with Microsoft Office Suite, and use Ask-WA, a live chat service with a librarian, 24-hours-a-day, 7-days-a-week.

## eLearning

Kirk Library, Room 137

360-623-8955

[ccelearniong@centralia.edu](mailto:ccelearniong@centralia.edu)

eLearning can help students with online educational tools including Canvas, Panopto, and other websites used for classes. eLearning can also help with software used for classes, such as internet browsers and Microsoft Office. In addition, eLearning can help with signing in and resetting your ctcLink password, learning how to use the above tools, and troubleshooting with you when things go wrong.

## Parking

Students, faculty, staff, and guests may not park in RESERVED parking stalls from 8 a.m. - 4 p.m. Monday-Friday without a special Reserved Parking permit. A valid state-issued placard is required for ADA parking. Electric Vehicle Charging Stations are located in the Washington Hall Lot. Parking in these stalls is only allowed while actively charging. Bike racks are provided for convenience. **Bicycles are not allowed inside buildings** and must be secured only to designated bike racks (not other college facilities).

For details on parking regulations, citation fees, and appeals, please visit the Centralia College website.

## Sports Programs

Intercollegiate Athletics

Michael Smith Gymnasium, Room 117

360-623-8926

[centraliablazers.com](http://centraliablazers.com)

Centralia College is a member of the Northwest Athletic Conference (NWAC). The teams are known as the Trailblazers. The comprehensive intercollegiate

athletic program provides competition for both men and women students and is gaining an enviable record in all league competition.

The athletic program offers opportunities to participate in the following varsity team sports:

- Baseball - Men
- Basketball - Men and Women
- Esports (collegiate gaming) - Men and Women
- Golf - Women
- Soccer - Men and Women
- Softball (fast pitch) - Women
- Volleyball - Women

## Student Job Center

TransAlta Commons Building, Room 228

360-623-8974

[studentjobs@centralia.edu](mailto:studentjobs@centralia.edu)

The Student Job Center can help Centralia College students find part-time student employment on- and off-campus to supplement their educational costs. Visit the Job Center to review potential jobs and receive a job referral for an official interview. To be eligible for student employment, students must be enrolled in at least six (6) college-level credits (Adult Basic Education and High School Completion classes do not count) and maintain Satisfactory Academic Progress.

Student Employment Programs:

- Federal Work-Study On-campus (must be eligible for financial aid)
- On-campus Employment (no financial aid eligibility required)
- Federal Work Study Community Service (on and off- campus, must be eligible for financial aid)
- State Work Study On-campus (must be a Washington resident and eligible for financial aid)
- State Work Study Off-campus (must be a Washington resident and eligible for financial aid)
- Federal Work Study Reading/Math Tutor (must be eligible for financial aid)

## Student Life and Involvement Center (SLIC)

TransAlta Commons Building, Room 137

360-623-8972

## How To Get Involved

The Student Life and Involvement Center (SLIC) is the headquarters for student leadership and campus involvement. SLIC oversees student government;

budgets for all student-funded programs, and clubs; and provides campus activities and support services to all student-funded programs. SLIC holds leadership training throughout the year for all student leaders and any student that is interested. SLIC maintains a campus lost and found and posts on campus bulletin boards.

## **Student Advocacy Activities Leadership Team (SAALT)**

SAALT is a group of student leaders who advocate and plan events for Centralia College students. SAALT is committed to social justice, sustainability and creating inclusive events for all Centralia students. The President, Vice President and Coordinators on SAALT work together to provide social, cultural, educational, and advocacy work through serving on campus committees, being part of the College Shared Governance Model and campus programming. As the representatives for the governing body of Centralia College Students, all SAALT members are responsible for advocating for students. SAALT holds weekly meetings that are open to all students. Members of SAALT are selected each spring and receive compensation for their time. SAALT appoints students to be part of the governance process by serving on college committees.

## **Clubs**

Student clubs offer opportunities for students to meet friends, satisfy special interests, and contribute to campus life. Students can organize and join associations to promote their special interests. Currently recognized student groups include but are not limited to:

- Gender Sexuality Alliance
- Medical Assistant Club
- Nerds the Gathering
- Art Club
- Theatre Club
- Speech Club
- Spilled Ink (Literary publication)
- Latinxs Unidos
- And many more!

Students are encouraged to start clubs through the recognition process. For a complete list of currently recognized clubs and organizations, visit <https://www.centralia.edu/resources/student-life/clubs.aspx>.

## **Esports**

TransAlta Commons Building, Room 333  
360-623-8640

Centralia College is part of more than 180 other institutions nationwide in offering esports that are competitive at the intercollegiate level. Centralia College is a member of the National Junior College Athletic Association Esports (NJCAAe). Trailblazer esports have won multiple national titles since joining NJCAAe.

## **Food Pantry**

TransAlta Commons Building, Room 137  
360-623-8972

The Trailblazer Food Pantry exists to provide free food and personal care items to Centralia College students experiencing food insecurity. The pantry is a "client choice" pantry, meaning students can pick the food that suits their needs best. Food from the pantry is a mix of donated and purchased items. Currently enrolled students can access the food pantry twice per month.

## **Student Rights and Responsibilities**

**The college has established policies providing for the rights and responsibilities of students. Copies of this code (WAC 132L-351) are available from the SLIC or the Vice President of Student Services Office.**

1. This is a summary of the Student Rights and Responsibilities Code. It is not a complete summary and does not replace the actual code. Refer to the code itself for a complete understanding of its content.
2. Centralia College has this code to help fulfill its mission. See WAC 132L-351-010.
3. If you violate this code, Centralia College can discipline you. See WAC 132L-351-015.
4. Some words in the code have technical or special meanings. These are defined. See WAC 132L-351-020.
5. You are accountable for your behavior both on and off campus. See WAC 132L-351-025.
6. You have constitutional rights. See WAC 132L-351-030.
7. You have these freedoms: access, association, press, speech, assembly, due process, and other rights. You are also protected from unlawful discrimination, sexual harassment, and unreasonable search. See WAC 132L-351-035.

8. You should take an active role in your learning, obey the law, and follow college rules. See WAC 132L-351-040.
9. Do not hurt, intimidate, or bother people. See WAC 132L-351-040.
10. Be honest and tell the truth. See WAC 132L-351-040.
11. Do not cheat. See WAC 132L-351-040.
12. Do not steal or cause damage to other people's property. See WAC 132L-351-040.
13. Do not go where you are not supposed to. See WAC 132L-351-040.
14. Do not abuse computers, telephones or other electronic equipment; do not use them to break the law or to bother people. See WAC 132L-351-040.
15. The use of tobacco, alcohol, and drugs is strictly controlled. See WAC 132L-351-040.
16. Hazing is prohibited. See WAC 132L-351-040.
17. If you disrupt the classroom, the faculty member may remove you for that day. The same thing could happen if you disrupt an office. You can also be disciplined further. See WAC 132L-351-040.
18. If you violate the code, you can receive anything from a warning to dismissal. You can also be fined or have other restrictions placed on you. See WAC 132L-351-050.
19. If you are a threat to people, you will be suspended immediately. You will get a hearing later. See WAC 132L-351-100.
20. If you are accused of violating this code, you will be summoned to an initial hearing. See WAC 132L-351-055.
21. You can appeal decisions to the Conduct Committee, then to the president. See WAC 132L-351-060.
22. There are rules about how the Conduct Committee conducts its process and handles records. See WAC 132L-351-080.
23. There are rules about how the Conduct Committee considers evidence. The college has to prove its case by a preponderance of evidence. See WAC 132L-351-085.
24. There are rules about what the Conduct Committee can do, and how it communicates its results. See WAC 132L-351-090.
25. There are rules about how and when to appeal. See WAC 132L-351-095.
26. There are rules about how this code is changed. See WAC 132L-351-240.
27. There is supplemental discipline process for sexual misconduct cases that have a few differences. WAC 132L-351-200.
28. The Conduct officer will communicate to both parties during a sexual misconduct case and investigation. WAC 132L-351-230.
29. The complainant in a sexual misconduct case can appeal. WAC 132L-351-280.

## **TRIO Programs**

TransAlta Commons Building, Second Floor  
Two federally funded pre-college TRIO programs - TRIO TS and Upward Bound - provide support services to low-income students, first-generation students, or students at high risk for academic failure, who meet federal eligibility requirements. The programs assist middle and high school students as they prepare for college.

## **TRIO TS**

360-623-8969 [ts@centralia.edu](mailto:ts@centralia.edu)  
TRIO TS assists 7-12 grade students with the exploration of career and educational options beyond high school. Services include academic support, career and college guidance, and assistance with the completion of college, financial aid, and scholarship applications.

## **Upward Bound**

360-623-8438  
[trio.ub@centralia.edu](mailto:trio.ub@centralia.edu)  
This college-prep program prepares high school students for college success through weekly academic support during the school year, and an extensive six-week program in the summer, including college visits and other academic experiences.

## Testing

Kirk Library, Room 121  
360-623-8920  
cctestingcenter@centralia.edu

### Tests Offered

- Next-Generation ACCUPLACER (college English placement)
- GED
- Emergency Medical Technician (EMT) certification
- American Medical Technologist (AMT) exam
- Washington Educator Skills Tests (WEST)
- WAMAP (college math placement)

### Testing Accommodations

Students with documented disabilities can request accommodations and apply for services through Centralia College Disability Services at 360-623-8966. For accommodation requests for GED testing, contact Pearson Vue at [www.ged.com](http://www.ged.com).

***Current photo ID is required for all testing.***

## Technology Resources

IT HelpDesk  
Washington Hall Room 201  
360-623-8910  
helpdesk@centralia.edu

The college provides a wide range of computing resources and internet services to students. There are multiple general-purpose computer labs across campus with Windows-based PCs equipped with a variety of software applications supporting the instructional curriculum. Students also have access to specialty labs supporting various educational programs including computer science, graphic arts, music, and other software curriculum as required by faculty and courses. The campus provides wireless network access for students and guests. Students also have the option of free access to Microsoft applications under the Microsoft Campus Agreement. CC's classrooms are being upgraded to provide an enhanced delivery for both in-person and hybrid courses.

# Student Transfer

## Student Rights in the Transfer Process

The Washington State Board for Community and Technical Colleges has published a Policy on InterCollege Transfer and Articulation Among Washington Public Colleges and Universities. This policy spells out student rights in the transfer process.

This policy states, in part, "Students have the right to expect fair and equitable treatment from the public colleges and universities in Washington, both sending and receiving institutions. They have, in turn, the responsibility of seeking out current information pertaining to their educational objectives and for acquiring appropriate information when they change their academic plans. When a student changes a major or degree program, the student shall assume full responsibility for meeting the new requirements. Colleges shall make every effort to help students make transitions as smoothly as is feasible."

Centralia College has transfer agreements with most of the four-year colleges and universities in Washington. Only the Associate in Arts (AA) and Associate in Science (AS) degrees are designed specifically to transfer. These degrees are covered by Statewide Transfer Agreements.

Depending on the college to which a student transfers and their major, they may need to select specific courses within a degree to ensure full transferability. These transfer degrees assure the transfer of unit, but not automatic or guaranteed admission, since each institution has separate admission criteria based on grades, test scores, and other considerations.

Students are encouraged to meet frequently with their advisor, review the catalog and transfer guide of the institution to which they are planning to transfer, and consult with representatives of the baccalaureate institution. They should do this planning very early.

Students who successfully complete either degree will have met most, if not all, of the lower-division science and mathematics major requirements at many baccalaureate colleges in Washington. This is the first step in preparing for entry with junior standing. The second step is including courses required by the student's major.

The **Associate in Applied Science-Transfer (AAS-T)** degree is designed for transfer to specific four-year colleges and universities for students pursuing specific professional/ technical programs. The AAS-T degree is not designed for general transfer.

The **Associate in Applied Science (AAS)** is NOT generally designed for transfer. There are a few very specific exceptions to this. The AAS degree can sometimes be used to transfer, but only to a few colleges under very special circumstances. These circumstances are called Alternatives for Transfer of Occupational Programs (ATOPS) degrees. The most common are "Upside Down Degree Programs" or "Articulation Agreement Programs." Unless a student has absolutely confirmed that one of these special and very limited exceptions applies to their plans, they are advised not to use the AAS degree for transfer purposes.

# Degrees/Certificates

Centralia College offers different degrees to meet varied student needs. All associate degrees require a minimum of 90 units. To be eligible for a degree or certificate from Centralia College, students must earn at least 15 units or 25 percent (whichever is lower) of the units being applied towards the degree or certificate from Centralia College to be eligible for a degree from Centralia College. It is possible to earn a second degree if a student satisfies all the requirements of both degrees.

## Student Learning Competencies

Student learning is central to the college's mission. All degrees offered by Centralia College are designed to provide experiences that lead to the attainment of general education outcomes as embodied in the following student learning competencies:

**Critical Analysis:** the student effectively evaluates information and creates solutions through observation, reflection, reasoning, and experience.

**Communication:** the student effectively conveys information and ideas by adapting their communication style to different situations and audiences when speaking, writing, and listening to others.

**Global Awareness & Cultural Competency:** the student effectively engages with the multi-cultural world by studying the practices and perspectives of varying communities and cultures.

**Information Literacy:** the student effectively engages in a reflective process of inquiry to find, evaluate, use, and ethically create content

## College & Career Success Course

### Policy 4.050

All degree-seeking students and those pursuing a Certificate of Proficiency (more than 45 units) must complete a College & Career Success course within their first two terms at Centralia College, regardless of full- or part-time status.

Students may have already met the intent of the course, by completing any of the following:

- Completed an equivalent college success course at another accredited college.
- Are in a career or technical program with special accreditation requirements (e.g., Nursing).
- Are in a Major Related Pathway (MRP) that does not allow for non-academic electives.
- Earned at least 45 college-level credits with a 2.0 GPA or higher from an accredited college.
- Earned an associate degree or higher from an accredited college.

Enrollment Services and Advising/Counseling work together to track and record completion of this requirement. If a student has evidence that they have met the requirements of the course, they may contact the Advising/Counseling Center for a temporary removal of their registration hold. Student records will be updated as appropriate.

Students with questions about this requirement or their eligibility should contact the Advising/Counseling Center for assistance.

## Program Outcomes

Distribution Area Outcomes, found at the end of this section, define the program outcomes for degrees based on the Direct Transfer Agreement (DTA) and Associate in Science (AS). In addition to the general outcomes, individual transfer programs have content designed to prepare students for success in that field.

Each Career and Technical Education degree or certificate includes courses that enable students to achieve profession-specific program outcomes. These program outcomes are listed on the program pages on the college website.

# Distribution Area Outcomes & Courses

In this catalog, courses that satisfy distribution requirements are identified by a capital letter at the end of the course title. Use the following guide to identify the distribution categories:

C - Communication

SS - Social Science

D - Diversity

H - Humanities

NS - Natural Science

M - Mathematics/Quantitative Skills HF - Health and Fitness

Distribution Requirements (also known as General University Requirements or GURs) are part of each transfer degree. Courses that fulfill Distribution Requirements meet specific criteria listed below:

## Core Requirements

### Communication Skills (C)

1. The course carries three or more units.
2. The course objectives address three or more of the following outcomes. Students should be able to:
  - o Recognize structures and modes of development that are used to inform, persuade, or entertain (Competencies: Communication)
  - o Apply analytical thinking to reading, writing, revising, and discussion activities (Competencies: Critical Analysis and Communication)
  - o Prepare clearly organized and well-supported written works, including specific documentation formats, which meet the conventions of assignments (Competencies: Critical Analysis and Communication).
  - o Collaborate with others respectfully and with attention to guidelines given for various projects (Competencies: Communication)
  - o Access and utilize appropriate technologies and library resources in the preparation of written and oral projects (Competencies: Communication and Information Literacy)

### English

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**
- ENGL& 235 - Technical Writing (C) **5 Unit(s)**

### Quantitative Skills (M)

1. The prerequisite for the course is Stem Algebraic Literacy (MATH 99 or equivalent).
2. The course objectives address the following outcomes. Upon successful completion of designated courses, students will have demonstrated the ability to:
3. Recognize and then apply mathematical concepts to personal, professional and scientific situations. (Competencies: Critical Analysis).

4. Communicate ideas through mathematics graphically, symbolically, numerically and verbally with clarity and accuracy. (Competencies: Communication).
5. Utilize technology as a tool in the application of mathematical concepts. (Competencies: Information Literacy).

### Math

- MATH& 107 - Math in Society (M) **5 Unit(s)**
- MATH 118 - Linear Algebra (M) **5 Unit(s)**
- MATH& 131 - Math for Elem Educ 1 (M) **5 Unit(s)**
- MATH& 132 - Math for Elem Education 2 (M) **5 Unit(s)**
- MATH& 141 - Precalculus I (M) **5 Unit(s)**
- MATH& 142 - Precalculus II (M) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- MATH 147 - Finite Math for Business (M) **5 Unit(s)**
- MATH& 148 - Business Calculus (M) **5 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**
- MATH& 152 - Calculus II (M) **5 Unit(s)**
- MATH 202 - Discrete Structures 1 (M) **5 Unit(s)**
- MATH 245 - Statistical Programming (M) **5 Unit(s)**
- MATH 246 - Intermediate Statistics (M) **5 Unit(s)**
- MATH 315 - Teaching Math (M) **5 Unit(s) \***
- MATH 350 - Managerial Statistics (M) **5 Unit(s) \***

### Note:

\*Although this class offers distribution, it is only available to students in specific BAS programs.

## Other Requirements

### Humanities (H)

1. The course carries three or more units.
2. The course objectives address three or more of the following outcomes:  
Students should be able to:
  - o Articulate the roles, purposes, and functions of the

Humanities using discipline-specific vocabulary. (Competencies: Critical Analysis and Communication).

- Recognize and apply the discipline-specific structures used to communicate critically and/or creatively. (Competencies: Critical Analysis and Communication).
- Access and utilize appropriate technologies to research, experience, and respond to the Humanities (Competencies: Critical Analysis, Communication and Information Literacy).
- Explore and assess how language, philosophy, and/or the arts represent and record individuals' and communities' engagement with social issues. (Competencies: Global Awareness and Cultural Competency)
- Demonstrate an understanding of, and appreciation for, how these humanities influence, and are influenced by, their cultural contexts. (Competencies: Critical Analysis, Global Awareness and Cultural Competency).

#### **American Sign Language**

- ASL& 121 - Am Sign Language I (H) **5 Unit(s)**
- ASL& 122 - Am Sign Language II (H) **5 Unit(s)**
- ASL& 123 - Am Sign Language III (H) **5 Unit(s)**

#### **Art**

- ART& 100 - Art Appreciation (H) **5 Unit(s)**
- ART 102 - Drawing I (H) **5 Unit(s) \***
- ART 106 - Printmaking I (H) **5 Unit(s)**
- ART 110 - 2D Design (H) **5 Unit(s) \***
- ART 111 - 3D Design (H) **5 Unit(s)**
- ART 112 - Color Theory (H) **5 Unit(s)**
- ART 130 - Computer Graphics (H) **5 Unit(s) \***
- ART 174 - Digital Photography (H) **5 Unit(s) \***
- ART 200 - Art History: Ancient (H) **5 Unit(s)**
- ART 201 - Art History: 15th-17th C (H) **5 Unit(s)**
- ART 202 - Art History: 18th-20th C (H) **5 Unit(s)**
- ART 203 - History of American Art (H) **5 Unit(s)**

#### **Communication Studies**

- CMST& 102 - Introduction to Mass Media (H) **5 Unit(s)**
- CMST 104 - Racism, Sexism and the Media (H) **3 Unit(s)**
- CMST 110 - Social Media Communication (H) **5 Unit(s)**
- CMST 130 - Debate I (H) **5 Unit(s)**
- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- CMST 240 - Advanced Public Speaking (H) **5 Unit(s)**
- CMST 250 - Intercultural Communications (H) **5**

#### **Unit(s)**

- CMST 330 - Professional & Organizational Communication (H) **5 Unit(s) \*\*\***

#### **Drama**

- DRMA& 101 - Introduction to Theater (H) **5 Unit(s)**
- DRMA 105 - Theater History (H) **3 Unit(s)**
- DRMA 107 - Beginning Acting (H) **5 Unit(s) \***
- DRMA 108 - Intermediate Acting (H) **5 Unit(s) \***
- DRMA 115 - Dramatic Performance (H) **5 Unit(s) \***
- DRMA 118 - Musical Theatre (H) **5 Unit(s)**
- DRMA 120 - Introduction to Playwriting (H) **5 Unit(s)**
- DRMA 130 - Directing (H) **5 Unit(s)**
- DRMA 201 - Advanced Acting (H) **5 Unit(s) \***
- DRMA 210 - Multicultural Theatre (H) **5 Unit(s)**

#### **English**

- ENGL& 111 - Introduction to Literature (H) **5 Unit(s)**
- ENGL& 113 - Intro to Poetry (H) **5 Unit(s)**
- ENGL& 114 - Introduction to Dramatic Literature (H) **5 Unit(s)**
- ENGL 160 - Women's Literature (H) **5 Unit(s)**
- ENGL 180 - Short Fiction (H) **5 Unit(s)**
- ENGL 204 - Introduction to Shakespeare (H) **5 Unit(s)**
- ENGL 208 - Introduction to Creative Writing (H) **5 Unit(s)**
- ENGL 209 - The Hero's Quest: Survey of English Literature, 7th Century to 1616 (H) **5 Unit(s)**
- ENGL 210 - The Crisis of Faith: Survey of English Literature, 1616-1798 (H) **5 Unit(s)**
- ENGL 211 - Survey of English Literature: 1798 - Present (H) **5 Unit(s)**
- ENGL 222 - Screenwriting (H) **5 Unit(s)**
- ENGL 233 - Children's Literature (D) (H) **5 Unit(s)**
- ENGL& 244 - American Literature I (H) **5 Unit(s)**
- ENGL& 245 - American Literature II (H) **5 Unit(s)**
- ENGL& 246 - American Literature III (H) **5 Unit(s)**
- ENGL 249 - The Great American Novel (H) **5 Unit(s)**
- ENGL 250 - Literary Themes (H) **5 Unit(s)**
- ENGL 251 - Science Fiction (H) **5 Unit(s)**
- ENGL 260 - Non-Western World Literature (H)(D) **5 Unit(s)**
- ENGL 271 - Intermediate Creative Writing (H) **5 Unit(s)**

## Humanities

- HUM 110 - Ethics & Cultural Values (H)(D) **5 Unit(s)**
- HUM& 116 - Humanities I (H) **5 Unit(s)**
- HUM& 117 - Humanities II (H) **5 Unit(s)**
- HUM& 118 - Humanities III (H) **5 Unit(s)**
- HUM 270 - Survey of Film Studies (H) **5 Unit(s)**
- HUM 315 - Ethics (H) **5 Unit(s) \*\*\***

## Music

- MUSC 100 - Fundamentals of Music (H) **5 Unit(s)**
- MUSC 101 - Music History (H) **5 Unit(s)**
- MUSC& 105 - Music Appreciation (H) **5 Unit(s)**
- MUSC 118 - Musical Theatre (H) **5 Unit(s)**
- MUSC 139 - Music of The World (D)(H) **5 Unit(s)**
- MUSC 140 - History of American Music (D) (H) **5 Unit(s)**
- MUSC& 141 - Music Theory I (H) **5 Unit(s)**
- MUSC& 142 - Music Theory II (H) **5 Unit(s)**
- MUSC 250 - Musical Theatre Production I (H) **5 Unit(s) \***

## Philosophy

- PHIL& 101 - Introduction to Philosophy (H) **5 Unit(s)**
- PHIL 103 - Introduction to Ethics (H) **5 Unit(s)**

## Spanish

- SPAN& 121 - Spanish I (H) **5 Unit(s) \*\***
- SPAN& 122 - Spanish II (H) **5 Unit(s) \*\***
- SPAN& 123 - Spanish III (H) **5 Unit(s) \*\***
- SPAN 170 - Latin American Texts (H) **5 Unit(s)**
- SPAN 201 - Heritage Spanish I (H) **5 Unit(s)**
- SPAN 202 - Heritage Spanish II (H) **5 Unit(s)**

**Note:** \* No more than five units allowed for distribution in performance/skills courses.

\*\* No more than five units in a foreign language at the 100 level allowed for distribution.

\*\*\* Although this class offers distribution, it is only available to students in specific BAS programs.

## Social Science (SS)

1. The course carries three or more units.
2. The course objectives address at least 2 of the following outcomes. Upon successful completion of designated courses, students will have demonstrated the ability to:
  - Describe social, political, economic, linguistic, cultural, historical, and religious factors that explain human behavior and mental processes at micro and macro levels (Competencies:

Communication and Global Awareness and Cultural Competency).

- Identify and apply terminology, concepts, theories, data, and principles used by the various social science disciplines (Competencies: Critical Analysis and Information Literacy).
- Develop an informed sense of self that demonstrates recognition and respect for diverse perspectives (Competencies: Global Awareness and Cultural Competency).
- Demonstrate critical thinking skills through formulating questions, analyzing data, and distinguishing between objective fact and subjective interpretation (Competencies: Critical Analysis and Information Literacy).

## Anthropology

- ANTH& 100 - Survey of Anthropology (SS) **5 Unit(s)**
- ANTH& 204 - Archaeology (SS) **5 Unit(s)**
- ANTH& 206 - Cultural Anthropology (D) (SS) **5 Unit(s)**
- ANTH& 210 - Indians of North America (SS) **5 Unit(s)**
- ANTH 225 - Race & Ethnicity (D) (SS) **5 Unit(s)**
- ANTH 235 - Myth, Ritual, and Magic (SS) **5 Unit(s)**
- ANTH 275 - Ethnographic Survey of Taiwan (SS) **5 Unit(s)**

## Criminal Justice

- CJ& 101 - Introduction to Criminal Justice (SS) **5 Unit(s)**
- CJ& 106 - Juvenile Justice (D)(SS) **5 Unit(s)**
- CJ& 112 - Criminology (AE) **5 Unit(s)**
- CJ 220 - Mental Illness and the Criminal Justice System **5 Unit(s)**

## Economics

- ECON& 201 - Microeconomics (SS) **5 Unit(s)**
- ECON& 202 - Macroeconomics (SS) **5 Unit(s)**
- ECON 305 - Managerial Economics (SS) **5 Unit(s) \***

## Education

- ECED& 105 - Intro Early Child Education (SS) **5 Unit(s)**
- EDUC& 115 - Child Development (SS) **5 Unit(s)**

## Geography

- GEOG& 200 - Human Geography (SS) **5 Unit(s)**

## History

- HIST 110 - History of Intolerance (SS) **3 Unit(s)**
- HIST& 116 - Western Civilization I (SS) **5 Unit(s)**

- HIST& 117 - Western Civilization II (SS) **5 Unit(s)**
- HIST& 118 - Western Civilization III (SS) **5 Unit(s)**
- HIST& 126 - World Civilization I (D)(SS) **5 Unit(s)**
- HIST& 127 - World Civilization II (D)(SS) **5 Unit(s)**
- HIST& 128 - World Civilization III (D)(SS) **5 Unit(s)**
- HIST& 146 - US History I (SS) **5 Unit(s)**
- HIST& 147 - US History II (SS) **5 Unit(s)**
- HIST& 148 - US History III (SS) **5 Unit(s)**
- HIST 210 - Introduction to Pacific Asian History (SS) **5 Unit(s)**
- HIST& 214 - Pacific NW History (SS) **5 Unit(s)**
- HIST& 215 - Women In U.S. History (SS) **5 Unit(s)**
- HIST& 220 - African American History (SS)(D) **5 Unit(s)**
- HIST 280 - History of American Foreign Relations (SS) **5 Unit(s)**

#### **Political Science**

- POLS& 101 - Intro Political Science (SS) **5 Unit(s)**
- POLS& 202 - American Government (SS) **5 Unit(s)**
- POLS& 204 - Comparative Government (D) (SS) **5 Unit(s)**
- POLS 280 - History of American Foreign Relations (SS) **5 Unit(s)**

#### **Psychology**

- PSYC& 100 - General Psychology (SS) **5 Unit(s)**
- PSYC& 200 - Lifespan Psychology (SS) **5 Unit(s)**
- PSYC 320 - Leadership & Organizational Behavior (SS) **5 Unit(s)** \*
- PSYC 409 - Positive Psych, Health & Aging **5 Unit(s)**

#### **Sociology**

- SOC& 101 - Intro to Sociology (D)(SS) **5 Unit(s)**
- SOC 125 - Sociology of Family (D)(SS) **5 Unit(s)**
- SOC 150 - Introduction to Social Work (D) (SS) **5 Unit(s)**
- SOC& 201 - Social Problems (D)(SS) **5 Unit(s)**
- SOC 225 - Race & Ethnicity (D)(SS) **5 Unit(s)**
- SOC 260 - Sociology of Gender (D)(SS) **5 Unit(s)**

#### **Social Studies**

- SST 365 - Social Studies for Teachers (SS) **5 Unit(s)** \*

#### **Note:**

\*Although this class carries distribution, it is only available to students in specific BAS programs.

#### **Natural Science (NS)**

1. The course is broad in scope, covering major concepts.
2. The course objectives address all of the following outcomes. Upon successful completion of designated courses, students will have demonstrated the ability to:
  - Communicate key scientific concepts in oral, written, and/or visual format using the language of science. (Competencies: Communication, Information Literacy).
  - Apply the scientific method to solve problems, conduct experiments, evaluate data, and test hypotheses. (Competencies: Critical Analysis).
  - Critically evaluate scientific information and its sources (Competencies: Critical Analysis, & Information Literacy).

#### **Anthropology**

- ANTH& 205 - Biological Anthropology (NS) **5 Unit(s)**
- ANTH& 215 - Bioanthropology w/Lab (NS) **5 Unit(s)**
- ANTH& 236 - Introduction to Forensic Anthropology (NS) **5 Unit(s)**

#### **Astronomy**

- ASTR 127 - The Solar System & The Universe (NS) **5 Unit(s)**

#### **Biology**

- BIOL& 160 - General Biology w/ Lab (NS) **5 Unit(s)**
- BIOL& 170 - Human Biology (NS) **5 Unit(s)**
- BIOL& 175 - Human Biology w/Lab (NS) **5 Unit(s)**
- BIOL& 221 - Majors Ecology/Evolution (NS) **5 Unit(s)**
- BIOL& 222 - Majors Cell/Molecular (NS) **5 Unit(s)**
- BIOL& 223 - Majors Organismal Physiology (NS) **5 Unit(s)**
- BIOL& 241 - Human Anatomy and Physiology 1 (NS) **5 Unit(s)**
- BIOL& 242 - Human Anatomy and Physiology 2 (NS) **5 Unit(s)**
- BIOL& 260 - Microbiology (NS) **5 Unit(s)**

#### **Botany**

- BOTA 110 - Survey of Botany (NS) **5 Unit(s)**
- BOTA 113 - Plant Identification & Classification

(NS) **5 Unit(s)**

- BOTA 150 - Dendrology (NS) **5 Unit(s)**

### **Chemistry**

- CHEM& 110 - Chemical Concepts W/Lab (NS) **5 Unit(s)**
- CHEM& 121 - Introduction to Chemistry (NS) **5 Unit(s)**
- CHEM& 131 - Introduction to Organic/Biochemistry (NS) **5 Unit(s)**
- CHEM& 139 - General Chemistry Prep (NS) **5 Unit(s)**
- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- CHEM& 162 - General Chemistry w/Lab II (NS) **6 Unit(s)**
- CHEM& 163 - General Chemistry w/Lab III (NS) **6 Unit(s)**
- CHEM& 261 - Organic Chemistry w/Lab I (NS) **6 Unit(s)**
- CHEM& 262 - Organic Chemistry w/Lab II (NS) **6 Unit(s)**
- CHEM& 263 - Organic Chemistry w/Lab III (NS) **6 Unit(s)**

### **Environmental Science**

- ENVS& 100 - Survey of Environmental Science (NS) **5 Unit(s)**
- ENVS& 101 - Intro to Env Science W/Lab (NS) **5 Unit(s)**
- ENVS 170 - Natural Resources Mgmt (NS) **5 Unit(s)**
- ENVS 440 - Environmental Issues (NS) **5 Unit(s)**  
\*

### **Geology**

- GEOL& 101 - Introduction Physical Geology (NS) **5 Unit(s)**
- GEOL 102 - Earth Surface Processes (NS) **5 Unit(s)**
- GEOL& 103 - Historical Geology W/Lab (NS) **5 Unit(s)**
- GEOL 106 - Survey of Earth Sciences (NS) **5 Unit(s)**
- GEOL 108 - Natural Hazards & Catastrophes (NS) **5 Unit(s)**

### **Nutrition**

- NUTR& 101 - Nutrition (NS) **5 Unit(s)**
- NUTR 103 - Introduction Food Science w/Lab (NS) **5 Unit(s)**

### **Oceanography**

- OCEA& 101 - General Oceanography (NS) **5**

**Unit(s)**

### **Physics**

- PHYS& 110 - Phys: Non-Sci Majors W/Lab (NS) **5 Unit(s)**
- PHYS& 114 - General Phys I w/Lab (NS) **5 Unit(s)**
- PHYS& 115 - General Phys II W/Lab (NS) **5 Unit(s)**
- PHYS& 116 - General Phys III w/Lab (NS) **5 Unit(s)**
- PHYS& 221 - Engineering Physics I (NS) **5 Unit(s)**
- PHYS& 222 - Engineering Physics II (NS) **5 Unit(s)**
- PHYS& 223 - Engineering Physics III (NS) **5 Unit(s)**

### **Note:**

\* Although this class offers distribution, it is only available to students in specific BAS programs.

### **Health and Fitness (HF)**

The course provides the student with knowledge and skills that enable them to achieve and maintain optimal health over a lifetime. Health and Physical Education courses are non-academic electives.

### **Health**

- HLTH 120 - Women's Health Issues (HF) **3 Unit(s)**
- HLTH 130 - Health & Wellness (HF) **3 Unit(s)**
- HLTH 140 - Exercise & Nutrition (HF) **3 Unit(s)**
- HLTH 141 - Global Health Issues (D) (HF) **3 Unit(s)**
- HLTH 143 - Stress Management (HF) **2 Unit(s)**
- HLTH 145 - Safety & Fitness (HF) **3 Unit(s)**

### **Physical Education**

(No more than 3 units may be counted toward a transfer degree)

- P E 107 - Cycling Basics (HF) **2 Unit(s)**
- P E 110 - Physical Fitness (HF) **1 Unit(s)**
- P E 111 - Fitness In The Workplace (HF) **1 to 2 Unit(s)**
- P E 120 - Lifestyle Management & Exercise (HF) **2 Unit(s)**
- P E 121 - Stretching & Flexibility (HF) **1 Unit(s)**
- P E 123 - Basic Weight Training/Conditioning (HF) **1 Unit(s)**
- P E 125 - Free Weights (HF) **1 Unit(s)**
- P E 140 - Boot Camp Basics (HF) **1 Unit(s)**
- P E 142 - Cardio Conditioning (HF) **1 Unit(s)**
- P E 150 - Yoga (HF) **1 Unit(s)**

- P E 151 - Aerobic Fitness/Walking (HF) **1 Unit(s)**
- P E 152 - Pilates/Core (HF) **1 Unit(s)**
- P E 153 - Tai Chi Basics (HF) **1 Unit(s)**
- P E 158 - Beginning Tae Kwon Do **2 Unit(s)**
- P E 168 - Lifetime Fitness (HF) **2 Unit(s)**
- P E 210 - Advanced Physical Fitness (HF) **1 Unit(s)**
- P E 223 - Advanced Weight Training (HF) **1 Unit(s)**
- P E 229 - Physical Fitness Concepts (HF) **3 Unit(s)**
- P E 251 - Advanced Aerobic Fitness/Walking (HF) **1 Unit(s)**

### **Diversity (D)**

Diversity designated courses at CC provide students opportunities to develop awareness of their own social and cultural identities, seek understanding of others, and cultivate skills to communicate across cultures and differences. A Diversity "D" designated course would minimally include at least three of the following learning outcomes:

- Evaluate perspectives on human diversity through theoretical and/or disciplinary frameworks.
- Use diverse cultural perspectives to address complex challenges.
- Analyze how a person's culture and socialization influences or impacts power, privilege and marginalization within society.
- Analyze how individual and structural factors contribute to inequity.
- Perform interpersonal and intercultural skills necessary to communicate and collaborate across differences.
- Identify the historical and contemporary contributions made by marginalized individuals, groups, and movements.
- Evaluate their own positions of marginalization and privilege within a complex social framework.
- Evaluate claims or information about power, privilege, representation, and/or marginalization based on the sources and the methods used to generate it

### **Anthropology**

- ANTH& 206 - Cultural Anthropology (D) (SS) **5 Unit(s)**
- ANTH 225 - Race & Ethnicity (D) (SS) **5 Unit(s)**

### **Criminal Justice**

- CJ& 106 - Juvenile Justice (D)(SS) **5 Unit(s)**

### **Drama**

- DRMA 210 - Multicultural Theatre (H) **5 Unit(s)**

### **English**

- ENGL 233 - Children's Literature (D) (H) **5 Unit(s)**
- ENGL 260 - Non-Western World Literature (H)(D) **5 Unit(s)**

### **Health**

- HLTH 141 - Global Health Issues (D) (HF) **3 Unit(s)**

### **History**

- HIST& 126 - World Civilization I (D)(SS) **5 Unit(s)**
- HIST& 127 - World Civilization II (D)(SS) **5 Unit(s)**
- HIST& 128 - World Civilization III (D)(SS) **5 Unit(s)**
- HIST& 220 - African American History (SS)(D) **5 Unit(s)**

### **Humanities**

- HUM 110 - Ethics & Cultural Values (H)(D) **5 Unit(s)**

### **Music**

- MUSC 139 - Music of The World (D)(H) **5 Unit(s)**
- MUSC 140 - History of American Music (D) (H) **5 Unit(s)**

### **Political Science**

- POLS& 204 - Comparative Government (D) (SS) **5 Unit(s)**

### **Sociology**

- SOC& 101 - Intro to Sociology (D)(SS) **5 Unit(s)**
- SOC 125 - Sociology of Family (D)(SS) **5 Unit(s)**
- SOC 150 - Introduction to Social Work (D) (SS) **5 Unit(s)**
- SOC& 201 - Social Problems (D)(SS) **5 Unit(s)**
- SOC 225 - Race & Ethnicity (D)(SS) **5 Unit(s)**
- SOC 260 - Sociology of Gender (D)(SS) **5 Unit(s)**

# Intercollege Relations Commission (ICRC) Approved Academic Electives

For additional information and current transfer policies, please refer to the Intercollege Relations Commission (ICRC) Handbook at <https://www.wa-council.org/icrc/>

<b>Accounting</b> .....	201, 202, 203
<b>Anthropology</b> .....	all courses numbered 100 and above
<b>American Sign Language</b> .....	121, 122, 123
<b>Art</b> .....	100, 102, 111, 130, 160, 174, 200, 201, 202, 203, 210, 211
<b>Astronomy</b> .....	all courses numbered 100 and above
<b>Biology</b> .....	all courses numbered 100 and above
<b>Botany</b> .....	all courses numbered 100 and above
<b>Business Administration</b> .....	101, 201
<b>Chemistry</b> .....	all courses numbered 100 and above
<b>Communication Studies</b> .....	all courses numbered 100 and above
<b>Criminal Justice</b> .....	101, 104, 105, 106, 110, 240
<b>Drama</b> .....	all courses numbered 101 and above
<b>Early Childhood Education</b> .....	105
<b>Economics</b> .....	all courses numbered 100 and above
<b>Education</b> .....	115, 201, 205
<b>English</b> .....	all courses numbered 101 and above
<b>Environmental Science</b> .....	all courses numbered 100 and above
<b>General Engineering</b> .....	all courses numbered 111 and above
<b>Geography</b> .....	all courses numbered 100 and above
<b>Geology</b> .....	all courses numbered 100 and above
<b>History</b> .....	all courses numbered 100 and above
<b>Humanities</b> .....	all courses numbered 100 and above
<b>Information Technology</b> .....	CS& 131, CS& 141, I T 101
<b>Mathematics</b> .....	all courses numbered 107 and above (except 110 and 116)
<b>Music</b> .....	all courses numbered 100 and above
<b>Nutrition</b> .....	101, 103, 202, 203
<b>Oceanography</b> .....	101
<b>Philosophy</b> .....	all courses numbered 100 and above
<b>Physics</b> .....	all courses numbered 100 and above
<b>Political Science</b> .....	all courses numbered 100 and above
<b>Psychology</b> .....	all courses numbered 100 and above
<b>Science</b> .....	all courses numbered 100 and above
<b>Sociology</b> .....	all courses numbered 100 and above
<b>Spanish</b> .....	all courses numbered 100 and above
<b>Speech</b> .....	all courses numbered 100 and above
<b>Substance Use Disorder Professional</b> .....	100

# Programs of Study

These Educational Plans are intended as a guide for students who wish to emphasize a specific area of study. It is not a guarantee that the courses listed in the plan will be available in the sequence suggested. In some instances, due to low enrollment, some courses may not be offered at all.

Students should consult with their advisor for recommended electives. It is strongly recommended that students intending to transfer to a four-year college or university consult with the intended transfer institution for any prerequisites or additional requirements.

# General Transfer Degrees

## Associate In Arts Degree

In addition to the general requirements listed below, derivative programs may have additional requirements as listed in the programs of study in the next section. The Associate in Arts degree represents the broad knowledge generally acquired in the first two years of a four-year program leading to a Bachelor of Arts degree. When students earn the AA, they may transfer to a baccalaureate institution within the state of Washington with assurance that they have satisfied all or most of the basic requirements (General University Requirements/ Distribution Requirements). This means, generally, that AA transfer students can begin work on their specialized, major-area course work as soon as they transfer.

### Degree Requirements:

To qualify for an Associate in Arts degree, students must complete a minimum of 90 units in courses numbered 100 or above, with a cumulative grade point average (GPA) of at least 2.0 ("C" average). The 90 units must include the following:

#### College Requirement - 3 units

- COLL 100 - College & Career Success **3 Unit(s)**

#### Core Skills - 15 units

##### A) Communication Skills 10 units

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**
- ENGL& 235 - Technical Writing (C) **5 Unit(s)**

##### B) Quantitative Skills 5 units

#### Humanities - 15 units

Select from at least three of the disciplines listed on the distribution list. No more than 5 units in foreign language at the 100 level may apply.

#### Social Sciences - 15 units

Select from at least three disciplines listed on the distribution list.

#### Natural Sciences - 15 units

Select from at least two disciplines on the distribution list. Include at least one laboratory course.

#### Health and Fitness - 3 units

Selected from either discipline listed on the distribution list.

#### Diversity - 5 units

A 5 unit course listed as a Diversity (D) course. Diversity courses may also meet other Distribution Requirements.

#### Academic Electives - 25 units

A minimum of 25 elective units are required. Elective courses may be selected to satisfy major emphasis requirements (see program summaries section), or to satisfy department requirements of the college/university chosen for transfer. If desired, students may include up to a maximum of 12 units from courses numbered 100 and above that are not included on the ICRC approved electives list. A maximum of three (3) PE units may be included in the AA degree. The required student success course and Health & Fitness distribution counts as 6 of the 12 units.

# Anthropology, AA

**Emphasis:** Anthropology

**Degree:** Associate in Arts

**Total Units:** 93

**Class Type:** Lecture, Lab, Hybrid

## Suggested Quarter Sequence

### Quarter 1

- ANTH& 100 - Survey of Anthropology (SS) **5 Unit(s)**
- COLL 100 - College & Career Success **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 16

### Quarter 2

- ANTH& 210 - Indians of North America (SS) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

### Quarter 3

- ANTH& 215 - Bioanthropology w/Lab (NS) **5 Unit(s)**
- ANTH 235 - Myth, Ritual, and Magic (SS) **5 Unit(s)**
- Quantitative Skills Distribution (M) **5 Unit(s)**

Total Units: 15

### Quarter 4

- ANTH& 206 - Cultural Anthropology (D) (SS) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- Humanities (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 6

- ANTH 225 - Race & Ethnicity (D) (SS) **5 Unit(s)**
- Elective **7 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 17

# Communication Studies, AA

**Emphasis:** Communication Studies

**Degree:** Associate in Arts

**Total Units:** 90

**Class Type:** Lecture, Lab, Hybrid

## Suggested Quarter Sequence

### Quarter 1

- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- CMST 250 - Intercultural Communications (H) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

### Quarter 2

- CMST 104 - Racism, Sexism and the Media (H) **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 16

### Quarter 3

- CMST& 102 - Introduction to Mass Media (H) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**
- PSYC& 100 - General Psychology (SS) **5 Unit(s)**

Total Units: 15

### Quarter 4

- CMST 240 - Advanced Public Speaking (H) **5 Unit(s)**
- PHIL 103 - Introduction to Ethics (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- CMST 110 - Social Media Communication (H) **5 Unit(s)**
- Natural Science Distribution w/ lab (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 6

- CMST 130 - Debate I (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

# Computer Science, AA

**Emphasis:** Computer Science

**Degree:** Associate in Arts

**Total Units:** 91

**Class Type:** Lecture, Lab, Hybrid

## Suggested Quarter Sequence

### Quarter 1

- COLL 100 - College & Career Success **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- MATH& 141 - Precalculus I (M) **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 16

### Quarter 2

- ENGL& 102 - Composition II (C) **5 Unit(s)**
- MATH& 142 - Precalculus II (M) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

### Quarter 3

- MATH& 151 - Calculus I (M) **5 Unit(s)**
- Social Science (SS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

### Quarter 4

- MATH 202 - Discrete Structures 1 (M) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- Specialization Elective **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 6

- Specialization Elective **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Humanities Distribution (SS) **5 Unit(s)**

Total Units: 15

# Criminal Justice, AA

**Emphasis:** Criminal Justice

**Degree:** Associate in Arts

**Total Units:** 93

**Class Type:** Lecture, Lab, Hybrid

## Suggested Quarter Sequence

### Quarter 1

- CJ& 101 - Introduction to Criminal Justice (SS) **5 Unit(s)**
- COLL 100 - College & Career Success **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 18

### Quarter 2

- CJ 104 - Introduction to Law Enforcement (AE) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**
- MATH& 107 - Math in Society (M) **5 Unit(s)**

### OR

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

Total Units: 15

### Quarter 3

- CJ& 110 - Criminal Law (AE) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

### Quarter 4

- CJ& 105 - Introduction to Corrections (AE) **5 Unit(s)**
- POLS& 202 - American Government (SS) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- PHIL 103 - Introduction to Ethics (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 6

- Health & Fitness Distribution (HF) **3 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**
- Electives **7 Unit(s)**

Total Units: 15

# Dramatic Arts, AA

**Emphasis:** Dramatic Arts

**Degree:** Associate in Arts

**Total Units:** 90-96

## Suggested Quarter Sequence

### Quarter 1

- DRMA& 101 - Introduction to Theater (H) **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 2

- DRMA 107 - Beginning Acting (H) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 16

### Quarter 3

- DRMA 108 - Intermediate Acting (H) **5 Unit(s)**
- DRMA 205 - Contemporary World Theatre (AE) **3 Unit(s)**
- Elective **3-5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 16-18

### Quarter 4

- ENGL& 114 - Introduction to Dramatic Literature (H) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Quantitative Skills Distribution (M) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 16

### Quarter 5

- DRMA 120 - Introduction to Playwriting (H) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Elective **3-5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 14-16

### Quarter 6

- ENGL 204 - Introduction to Shakespeare (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Humanities Distribution (H) **3-5 Unit(s)**

Total Units: 13-15

# Early Childhood Education, AA

**Emphasis:** Early Childhood Education

**Degree:** Associate in Arts

**Total Units:** 91

## Suggested Quarter Sequence

### Quarter 1

- ECED& 105 - Introduction Early Child Education (SS) **5 Unit(s)**
- EDUC& 130 - Guiding Behavior **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**

Total Units: 14

### Quarter 2

- EDUC& 115 - Child Development (SS) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 16

### Quarter 3

- ECED& 107 - Health/Safety/Nutrition **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 16

### Quarter 4

- ECED& 120 - Practicum-Nurturing Relationships **2 Unit(s)**
- PSYC& 100 - General Psychology (SS) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Quantitative Skills Distribution (M) **5 Unit(s)**

Total Units: 17

### Quarter 5

- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- EDUC& 205 - Introduction to Education with Field Experience (AE) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

### Quarter 6

- ECED& 180 - Language/Literacy Development **3 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 13

# Education, AA

**Emphasis:** Education

**Degree:** Associate in Arts

**Total Units:** 94

## Suggested Quarter Sequence

### Quarter 1

- COLL 100 - College & Career Success **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- PSYC& 100 - General Psychology (SS) **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 16

### Quarter 2

- ENGL& 102 - Composition II (C) **5 Unit(s)**
- Education Elective **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 3

- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

### Quarter 4

- EDUC& 205 - Introduction to Education with Field Experience (AE) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Quantitative Skills Distribution (M) **5 Unit(s)**

Total Units: 15

### Quarter 5

- EDUC& 115 - Child Development (SS) **5 Unit(s)**
- Education Elective **1 Unit(s)**
- Education Elective **3 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 14

### Quarter 6

- Academic Elective **5 Unit(s)**
- Academic Elective **5 Unit(s)**
- Academic Elective **1 Unit(s)**
- Natural Science Distribution **5 Unit(s)**

Total Units: 16

# English, AA

**Emphasis:** English

**Degree:** Associate in Arts

**Total Units:** 91

## Suggested Quarter Sequence

### Quarter 1

- COLL 100 - College & Career Success **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 13

### Quarter 2

- ENGL& 102 - Composition II (C) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Literature or Creative Writing Elective **5 Unit(s)**

Total Units: 15

### Quarter 3

- Literature Elective **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**
- Quantitative Skills Distribution (M) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 18

### Quarter 4

- Literature Elective **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- Literature Elective **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 6

- Humanities Distribution **5 Unit(s)**
- Literature or Creative Writing Elective **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

# Environmental Studies, AA

**Emphasis:** Environmental Studies

**Degree:** Associate in Arts

**Total Units:** 93

## Suggested Quarter Sequence

### Quarter 1

- BIOL& 160 - General Biology w/ Lab (NS) **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- HLTH 130 - Health & Wellness (HF) **3 Unit(s)**
- SCIE 100 - College & Career Success: STEM (AE) **3 Unit(s)**

Total Units: 16

### Quarter 2

- ENV& 100 - Survey of Environmental Science (NS) **5 Unit(s)**
- Elective **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 3

- ENGL& 102 - Composition II (C) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**
- Geology Elective **5 Unit(s)**

Total Units: 15

### Quarter 4

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

### Quarter 5

- CHEM& 121 - Introduction to Chemistry (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

### Quarter 6

- Electives **10 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

# Exercise Science, AA

**Emphasis:** Exercise Science

**Degree:** Associate in Arts

**Total Units:** 90

## Suggested Quarter Sequence

### Quarter 1

ENGL& 101 - English Composition I (C) **5 Unit(s)**

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- PSYC& 100 - General Psychology (SS) **5 Unit(s)**

Total Units: 15

### Quarter 2

- CHEM& 121 - Introduction to Chemistry (NS) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**
- NUTR& 101 - Nutrition (NS) **5 Unit(s)**

Total Units: 15

### Quarter 3

- BIOL& 170 - Human Biology (NS) **5 Unit(s)**
- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- P E 229 - Physical Fitness Concepts (HF) **3 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 18

### Quarter 4

- BIOL& 241 - Human Anatomy and Physiology 1 (NS) **5 Unit(s)**
- HLTH 140 - Exercise & Nutrition (HF) **3 Unit(s)**
- HLTH 154 - Community First Aid & CPR **1 Unit(s)**
- SOC& 101 - Intro to Sociology (D)(SS) **5 Unit(s)**

Total Units: 14

### Quarter 5

- BIOL& 242 - Human Anatomy and Physiology 2 (NS) **5 Unit(s)**
- HLTH 130 - Health & Wellness (HF) **3 Unit(s)**
- PSYC& 220 - Abnormal Psychology (AE) **5 Unit(s)**

Total Units: 13

### Quarter 6

- CHEM& 131 - Introduction to Organic/Biochemistry (NS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

# Fine Arts, AA

**Emphasis:** Fine Arts

**Degree:** Associate in Arts

**Total Units:** 93

## Suggested Quarter Sequence

### Quarter 1

- ART 110 - 2D Design (H) **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

### Quarter 2

- ART 102 - Drawing I (H) **5 Unit(s)**
- ART 111 - 3D Design (H) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**

Total Units: 15

### Quarter 3

- ART 106 - Printmaking I (H) **5 Unit(s)**
- OR**
- ART 160 - Introduction to Fibers (H) **5 Unit(s)**
  - Quantitative Skills Distribution (M) **5 Unit(s)**
  - Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 4

- ART 200 - Art History: Ancient (H) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 16

### Quarter 5

- ART 201 - Art History: 15th-17th C (H) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 16

### Quarter 6

- ART 202 - Art History: 18th-20th C (H) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 16

# Foreign Language

**Emphasis:** American Sign Language, Chinese, or Spanish

**Degree:** Associate in Arts

**Total Units:** 93

## Suggested Quarter Sequence

### Quarter 1

- ASL& 121 - Am Sign Language I (H) **5 Unit(s)**  
**OR**
- CHIN& 121 - Chinese I (H) **5 Unit(s)**  
**OR**
- SPAN& 121 - Spanish I (H) **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- Quantitative Skills Distribution (M) **5 Unit(s)**

Total Units: 15

### Quarter 2

- ANTH& 206 - Cultural Anthropology (D) (SS) **5 Unit(s)**
- ASL& 122 - Am Sign Language II (H) **5 Unit(s)**  
**OR**
- CHIN& 122 - Chinese II (H) **5 Unit(s)**  
**OR**
- SPAN& 122 - Spanish II (H) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**

Total Units: 16

### Quarter 3

- ASL& 123 - Am Sign Language III (H) **5 Unit(s)**  
**OR**
- CHIN& 123 - Chinese III (H) **5 Unit(s)**  
**OR**
- SPAN& 123 - Spanish III (H) **5 Unit(s)**
- CMST 250 - Intercultural Communications (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

### Quarter 4

- ASL& 221 - American Sign Language IV **5 Unit(s)**  
**OR**
- CHIN& 221 - Chinese IV (H) **5 Unit(s)**  
**OR**
- SPAN& 221 - Spanish IV (H) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 16

### Quarter 5

- ASL& 222 **5 Unit(s)**  
**OR**
- CHIN& 222 - Chinese V (H) **5 Unit(s)**  
**OR**
- SPAN& 222 - Spanish V (H) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 16

### Quarter 6

- ASL& 222 **5 Unit(s)**  
**OR**
- CHIN& 223 - Chinese VI (H) **5 Unit(s)**  
**OR**
- SPAN& 223 - Spanish VI (H) **5 Unit(s)**
- Elective **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

# Geology, AA

**Emphasis:** Geology

**Degree:** Associate in Arts

**Total Units:** 96-97

## Suggested Quarter Sequence

### Quarter 1

- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- GEOL& 101 - Introduction Physical Geology (NS) **5 Unit(s)**

Total Units: 15

### Quarter 2

- ENGL& 235 - Technical Writing (C) **5 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**
- SCIE 100 - College & Career Success: STEM (AE) **3 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 16

### Quarter 3

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**  
**OR**
- MATH& 152 - Calculus II (M) **5 Unit(s)**
- PHYS& 114 - General Phys I w/Lab (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 4

- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- GEOL 102 - Earth Surface Processes (NS) **5 Unit(s)**
- SOC& 201 - Social Problems (D)(SS) **5 Unit(s)**

Total Units: 16

### Quarter 5

- CHEM& 162 - General Chemistry w/Lab II (NS) **6 Unit(s)**
- GEOL& 103 - Historical Geology W/Lab (NS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 16

### Quarter 6

- CHEM& 163 - General Chemistry w/Lab III (NS) **6 Unit(s)**  
**OR**
- PHYS& 115 - General Phys II W/Lab (NS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15-16

# Graphic Design, AA

**Emphasis:** Graphic Design

**Degree:** Associate in Arts

**Total Units:** 93

## Suggested Quarter Sequence

### Quarter 1

- ART 110 - 2D Design (H) **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 16

### Quarter 2

- ART 112 - Color Theory (H) **5 Unit(s)**
- CMST& 102 - Introduction to Mass Media (H) **5 Unit(s)**
- Quantitative Skills Distribution (M) **5 Unit(s)**

Total Units: 15

### Quarter 3

- ART 102 - Drawing I (H) **5 Unit(s)**
- ART 202 - Art History: 18th-20th C (H) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**

Total Units: 15

### Quarter 4

- ART 130 - Computer Graphics (H) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 16

### Quarter 5

- ART 111 - 3D Design (H) **5 Unit(s)**
- OR**
- ART 220 - 3D Modeling & Animation (H) **5 Unit(s)**
- OR**
- I T 119 - Introduction to Web Development **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 16

### Quarter 6

- ART 106 - Printmaking I (H) **5 Unit(s)**
- OR**
- ART 174 - Digital Photography (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

# History, AA

**Emphasis:** History

**Degree:** Associate in Arts

**Total Units:** 91

## Suggested Quarter Sequence

### Quarter 1

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- COLL 100 - College & Career Success **3 Unit(s)**
- HUM 110 - Ethics & Cultural Values (H)(D) **5 Unit(s)**

Total Units: 13

### Quarter 2

- ENGL& 102 - Composition II (C) **5 Unit(s)**
- HIST& 147 - US History II (SS) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 16

### Quarter 3

- ECON& 202 - Macroeconomics (SS) **5 Unit(s)**
- HIST& 148 - US History III (SS) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Quantitative Skills Distribution (M) **5 Unit(s)**

Total Units: 16

### Quarter 4

- ANTH& 100 - Survey of Anthropology (SS) **5 Unit(s)**
- HIST& 126 - World Civilization I (D)(SS) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- ENGL 260 - Non-Western World Literature (H)(D) **5 Unit(s)**
- HIST& 146 - US History I (SS) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 16

### Quarter 6

- HIST& 128 - World Civilization III (D)(SS) **5 Unit(s)**
- POLS& 202 - American Government (SS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

# Humanities, AA

**Emphasis:** Humanities

**Degree:** Associate in Arts

**Total Units:** 90-93

## Suggested Quarter Sequence

### Quarter 1

- COLL 100 - College & Career Success **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- HUM& 116 - Humanities I (H) **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 16

### Quarter 2

- ENGL& 102 - Composition II (C) **5 Unit(s)**
- HUM& 117 - Humanities II (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

### Quarter 3

- HUM& 118 - Humanities III (H) **5 Unit(s)**
- Quantitative Skills Distribution (M) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 4

- HUM 110 - Ethics & Cultural Values (H)(D) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- HUM 270 - Survey of Film Studies (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 6

- Humanities Distribution (H) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**
- Elective **5 Unit(s)**

Total Units: 15

# K6-12 PE Teacher Education, AA

**Emphasis:** K6-12 PE Teacher Education

**Degree:** Associate in Arts

**Total Units:** 92

## Suggested Quarter Sequence

### Quarter 1

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- MATH& 107 - Math in Society (M) **5 Unit(s)**
- PSYC& 100 - General Psychology (SS) **5 Unit(s)**
- P E 229 - Physical Fitness Concepts (HF) **3 Unit(s)**

Total Units: 18

### Quarter 2

- CHEM& 121 - Introduction to Chemistry (NS) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**
- NUTR& 101 - Nutrition (NS) **5 Unit(s)**

Total Units: 15

### Quarter 3

- BIOL& 170 - Human Biology (NS) **5 Unit(s)**
- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- HLTH 143 - Stress Management (HF) **2 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 17

### Quarter 4

- BIOL& 241 - Human Anatomy and Physiology 1 (NS) **5 Unit(s)**
- HLTH 140 - Exercise & Nutrition (HF) **3 Unit(s)**
- SOC& 101 - Intro to Sociology (D)(SS) **5 Unit(s)**

Total Units: 13

### Quarter 5

- BIOL& 242 - Human Anatomy and Physiology 2 (NS) **5 Unit(s)**
- EDUC& 201 - Introduction to Education (AE) **3 Unit(s)**
- EDUC 202 - Classroom Observation **2 Unit(s)**
- HLTH 130 - Health & Wellness (HF) **3 Unit(s)**

Total Units: 13

### Quarter 6

- HLTH 154 - Community First Aid & CPR **1 Unit(s)**
- PSYC& 200 - Lifespan Psychology (SS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 16

# Mathematics, AA

**Emphasis:** Mathematics

**Degree:** Associate in Arts

**Total Units:** 91

## Suggested Quarter Sequence

### Quarter 1

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- COLL 100 - College & Career Success **3 Unit(s)**
- MATH& 142 - Precalculus II (M) **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 16

### Quarter 2

- ENGL& 102 - Composition II (C) **5 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

### Quarter 3

- MATH& 152 - Calculus II (M) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 4

- MATH 202 - Discrete Structures 1 (M) **5 Unit(s)**

**OR**

- MATH 118 - Linear Algebra (M) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- MATH& 153 - Calculus III **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

### Quarter 6

- MATH& 254 - Calculus IV **5 Unit(s)**

**OR**

- MATH 212 - Elementary Differential Equations (AE) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

# Natural Resource Management, AA

**Emphasis:** Forestry, Fisheries, Wildlife Management

**Degree:** Associate in Arts

**Total Units:** 90

## Suggested Quarter Sequence

### Quarter 1

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- GEOL& 101 - Introduction Physical Geology (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 2

- ENGL& 102 - Composition II (C) **5 Unit(s)**
- ENV5 170 - Natural Resources Mgmt (NS) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

Total Units: 15

### Quarter 3

- BOTA 150 - Dendrology (NS) **5 Unit(s)**
- CHEM& 121 - Introduction to Chemistry (NS) **5 Unit(s)**
- GEOL 5 **Unit(s)**

Total Units: 15

### Quarter 4

- BIOL& 221 - Majors Ecology/Evolution (NS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- BIOL& 222 - Majors Cell/Molecular (NS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 6

- BIOL& 223 - Majors Organismal Physiology (NS) **5 Unit(s)**
- Elective **2 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

# Pre-Dental Hygiene, AA

**Emphasis:** Pre-Dental Hygiene

**Degree:** Associate in Arts

**Total Units:** 91-93

## Suggested Quarter Sequence

### Quarter 1

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- MATH& 107 - Math in Society (M) **5 Unit(s)**

**OR**

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- COLL 100 - College & Career Success **3 Unit(s)**

Total Units: 13

### Quarter 2

- CHEM& 121 - Introduction to Chemistry (NS) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**
- SOC& 101 - Intro to Sociology (D)(SS) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**

Total Units: 16

### Quarter 3

- BIOL& 170 - Human Biology (NS) **5 Unit(s)**
- CHEM& 131 - Introduction to Organic/Biochemistry (NS) **5 Unit(s)**
- PSYC& 100 - General Psychology (SS) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**

Total Units: 16

### Quarter 4

- BIOL& 241 - Human Anatomy and Physiology 1 (NS) **5 Unit(s)**
- NUTR& 101 - Nutrition (NS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**

Total Units: 16

### Quarter 5

- BIOL& 242 - Human Anatomy and Physiology 2 (NS) **5 Unit(s)**
- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- Social Science (SS)/ Diversity Distribution (D) **5 Unit(s)**

Total Units: 15

### Quarter 6

- BIOL& 260 - Microbiology (NS) **5 Unit(s)**
- Elective **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

# Pre-Physical Therapy, AA

**Emphasis:** Pre-Physical Therapy

**Degree:** Associate in Arts DTA

**Total Units:** 90

## Suggested Quarter Sequence

### Quarter 1

- BIOL& 160 - General Biology w/ Lab (NS) **5 Unit(s)**

**OR**

- BIOL& 170 - Human Biology (NS) **5 Unit(s)**

**OR**

- BIOL& 175 - Human Biology w/Lab (NS) **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- SCIE 100 - College & Career Success: STEM (AE) **3 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 16

### Quarter 2

- ENGL& 102 - Composition II (C) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- PSYC& 100 - General Psychology (SS) **5 Unit(s)**

Total Units 15

### Quarter 3

- CHEM& 121 - Introduction to Chemistry (NS) **5 Unit(s)**

**OR**

- CHEM& 139 - General Chemistry Prep (NS) **5 Unit(s)**
- SOC& 101 - Intro to Sociology (D)(SS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

### Quarter 4

- BIOL& 241 - Human Anatomy and Physiology 1 (NS) **5 Unit(s)**
- Specialization Elective **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units 15

### Quarter 5

- BIOL& 242 - Human Anatomy and Physiology 2 (NS) **5 Unit(s)**
- Specialization Elective **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units 15

### Quarter 6

- Science Elective **5 Unit(s)**
- Specialization Elective **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units 15

# Psychology, AA

**Emphasis:** Psychology

**Degree:** Associate in Arts

**Total Units:** 90

## Suggested Quarter Sequence

### Quarter 1

- COLL 100 - College & Career Success **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- PSYC& 100 - General Psychology (SS) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**

Total Units: 14

### Quarter 2

- ENGL& 102 - Composition II (C) **5 Unit(s)**
- PSYC& 200 - Lifespan Psychology (SS) **5 Unit(s)**
- NUTR& 101 - Nutrition (NS) **5 Unit(s)**

Total Units: 15

### Quarter 3

- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- PSYC 250 - Social Psychology (AE) **5 Unit(s)**

**OR**

- PSYC 210 - Introduction to Personality (AE) **5 Unit(s)**

Total Units: 15

### Quarter 4

- BIOL& 175 - Human Biology w/Lab (NS) **5 Unit(s)**
- SOC& 101 - Intro to Sociology (D)(SS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

### Quarter 5

- Elective **5 Unit(s)**
- Humanities Distribution **5 Unit(s)**
- Health & Fitness Distribution **1 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 16

### Quarter 6

- Elective **9 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

# Radiologic and Diagnostic Medical Sonography Technician, AA

**Emphasis:** Radiologic and Diagnostic Medical Sonography Technician

**Degree:** Associate in Arts

**Total Units:** Vary

## Suggested Quarter Sequence

### Quarter 1

- COLL 100 - College & Career Success **3 Unit(s)**
- BIOL& 160 - General Biology w/ Lab (NS) **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

Total Units: Vary

### Quarter 2

- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- CHEM& 121 - Introduction to Chemistry (NS) **5 Unit(s)**

Total Units: Vary

### Quarter 3

- M A 139 - MA Medical Terminology **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

Total Units: Vary

### Quarter 4

- BIOL& 241 - Human Anatomy and Physiology 1 (NS) **5 Unit(s)**

Total Units: Vary

### Quarter 5

- BIOL& 242 - Human Anatomy and Physiology 2 (NS) **5 Unit(s)**

Total Units: Vary

### Quarter 6

Total Units: Vary

# Sociology, AA

**Emphasis:** Sociology

**Degree:** Associate in Arts

**Total Units:** 91

## Suggested Quarter Sequence

### Quarter 1

- COLL 100 - College & Career Success **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- SOC& 101 - Intro to Sociology (D)(SS) **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 16

### Quarter 2

- ENGL& 102 - Composition II (C) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- ANTH& 206 - Cultural Anthropology (D) (SS) **5 Unit(s)**

Total Units: 15

### Quarter 3

- ANTH& 215 - Bioanthropology w/Lab (NS) **5 Unit(s)**
- PSYC& 100 - General Psychology (SS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 4

- CMST 250 - Intercultural Communications (H) **5 Unit(s)**
- ENV&S 100 - Survey of Environmental Science (NS) **5 Unit(s)**
- SOC 125 - Sociology of Family (D)(SS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- ANTH 225 - Race & Ethnicity (D) (SS) **5 Unit(s)**

**OR**

- SOC 225 - Race & Ethnicity (D)(SS) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

### Quarter 6

- SOC& 201 - Social Problems (D)(SS) **5 Unit(s)**
- PSYC 209 - Research Methods (AE) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

# Associate in Biology

**Emphasis:** Biology, Botany, Ecology, Zoology

**Degree:** Associate in Biology-DTA/MRP

**Total Units:** 96

## Suggested Quarter Sequence

### Quarter 1

- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- MATH& 141 - Precalculus I (M) **5 Unit(s)**

#### OR

Humanities Distribution (H) **5 Unit(s)**

- SCIE 100 - College & Career Success: STEM (AE) **3 Unit(s)**

Total Units: 19

### Quarter 2

- CHEM& 162 - General Chemistry w/Lab II (NS) **6 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**

#### OR

- ENGL& 235 - Technical Writing (C) **5 Unit(s)**
- MATH& 142 - Precalculus II (M) **5 Unit(s)**

#### OR

- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 16

### Quarter 3

- CHEM& 163 - General Chemistry w/Lab III (NS) **6 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 16

### Quarter 4

- BIOL& 221 - Majors Ecology/Evolution (NS) **5 Unit(s)**
- Elective **5 Unit(s)**

#### OR

- Social Science Distribution (SS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

### Quarter 5

- BIOL& 222 - Majors Cell/Molecular (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

#### OR

Elective **5 Unit(s)**

Total Units: 18

### Quarter 6

- BIOL& 223 - Majors Organismal Physiology (NS) **5 Unit(s)**
- Elective **2-5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Credits: 12-15

# Associate in Business

**Emphasis:** Business

**Degree:** Associate in Business-DTA/MRP

**Total Units:** 90

## Suggested Quarter Sequence

### Quarter 1

- ECON& 202 - Macroeconomics (SS) **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

### Quarter 2

- ECON& 201 - Microeconomics (SS) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

### Quarter 3

- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- Elective **2-5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 15-18

### Quarter 4

- ACCT& 201 - Principles of Accounting I (AE) **5 Unit(s)**
- BUS& 201 - Business Law (AE) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

### Quarter 5

- ACCT& 202 - Principles of Accounting II (AE) **5 Unit(s)**
- MATH 147 - Finite Math for Business (M) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 15

### Quarter 6

- MATH& 148 - Business Calculus (M) **5 Unit(s)**
- ACCT& 203 - Principles of Accounting III (AE) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

# Associate in Construction Management

**Emphasis:** Construction Management

**Degree:** Associate in Construction Management-DTA/MRP

**Total Units:** 101

**Purpose:** This degree is designed for students planning to transfer and to prepare for American Council of Construction Education (ACCE) accredited majors in Construction Management at Central Washington University, Washington State University- Pullman, and University of Washington-Seattle. This degree also provides coursework for transferring into Eastern Washington University's Bachelor of Science in Technology-Construction Management.

This degree meets the requirements of the Statewide Construction Management DTA/MRP Agreement.

Elective units should be planned with the help of an engineering advisor and be based on the requirements of the specific program at the baccalaureate institution that the student plans to attend. This two-year program requires students to be calculus ready by second quarter of the first year. Students who are not well prepared in high school mathematics and science should plan a three-year program at Centralia College in preparation for transfer to a four-year school. The main emphasis in the first year should be to strengthen mathematics, basic sciences, communication, and reading skills.

## Suggested Quarter Sequence

### Quarter 1

- ACCT& 201 - Principles of Accounting I (AE) **5 Unit(s)**
  - ENGL& 101 - English Composition I (C) **5 Unit(s)**
  - MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
  - Health & Fitness Distribution (HF) **1 Unit(s)**
- Total Units: 16

### Quarter 2

- ACCT& 202 - Principles of Accounting II (AE) **5 Unit(s)**
  - ENGL& 102 - Composition II (C) **5 Unit(s)**
- OR**
- ENGL& 235 - Technical Writing (C) **5 Unit(s)**
  - ENGR& 111 - Engineering Graphics I (AE) **2 Unit(s)**
  - MATH& 151 - Calculus I (M) **5 Unit(s)**
- Total Units: 17

### Quarter 3

- ACCT& 203 - Principles of Accounting III (AE) **5 Unit(s)**
  - BUS& 201 - Business Law (AE) **5 Unit(s)**
  - ENGR& 214 - Statics (AE) **5 Unit(s)**
  - MATH& 152 - Calculus II (M) **5 Unit(s)**
- Total Units: 20

### Quarter 4

- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
  - PHYS& 221 - Engineering Physics I (NS) **5 Unit(s)**
  - Humanities Distribution (H) **5 Unit(s)**
- Total Units: 16

### Quarter 5

- ECON& 201 - Microeconomics (SS) **5 Unit(s)**
  - GEOL& 101 - Introduction Physical Geology (NS) **5 Unit(s)**
  - PHYS& 222 - Engineering Physics II (NS) **5 Unit(s)**
  - Health & Fitness Distribution (HF) **1 Unit(s)**
- Total Units: 16

### Quarter 6

- CMST& 220 - Public Speaking (H) **5 Unit(s)**
  - ECON& 202 - Macroeconomics (SS) **5 Unit(s)**
- OR**
- Social Science Distribution (SS) **5 Unit(s)**
  - Humanities Distribution (H) **5 Unit(s)**
  - Health & Fitness Distribution (HF) **1 Unit(s)**
- Total Units: 16

# Associate in Mathematics Education

**Emphasis:** Mathematics Education

**Degree:** Associate in Math Education - DTA/MRP

**Total Units:** 96

**Purpose:** The Associate in Math Education is intended to prepare students who aspire to be secondary math teachers. Students who complete this degree will have completed lower division general education requirements as well as the prerequisites for a major in math.

## Suggested Quarter Sequence

### Quarter 1

- COLL 100 - College & Career Success **3 Unit(s)**
- EDUC& 205 - Introduction to Education with Field Experience (AE) **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- Math Elective (NS) **5 Unit(s)**

Total Units: 18

### Quarter 2

- ENGL& 102 - Composition II (C) **5 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**
- PSYC& 100 - General Psychology (SS) **5 Unit(s)**

Total Units: 15

### Quarter 3

- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- MATH& 152 - Calculus II (M) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 18

### Quarter 4

- MATH 118 - Linear Algebra (M) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- MATH& 153 - Calculus III **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

### Quarter 6

- MATH& 254 - Calculus IV **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Math Elective **5 Unit(s)**

Total Units: 15

# Associate in Pre-Nursing

**Emphasis:** Pre-Nursing

**Degree:** Associate in Pre-Nursing - DTA/MRP

**Total Units:** 91

**Purpose:** This Associate in Arts degree with Pre-Nursing emphasis is designed for students who intend to pursue a Bachelor of Science in Nursing (BSN) degree from a baccalaureate institution. The educational plan provides courses identified by both public and private colleges and universities to prepare students for further study in the field of nursing. Admission to all nursing programs in Washington State is highly competitive. Completing this program of study will prepare students to transfer with junior standing to most four-year colleges and universities in Washington State but does NOT guarantee admission to the Nursing program. Students are urged to consult an advisor and refer to the admissions requirements for individual baccalaureate institutions for specific requirements and admissions criteria.

## Suggested Quarter Sequence

### Quarter 1

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 16

### Quarter 2

- BIOL& 160 - General Biology w/ Lab (NS) **5 Unit(s)**
- OR**
- BIOL& 170 - Human Biology (NS) **5 Unit(s)**
- OR**
- BIOL& 175 - Human Biology w/Lab (NS) **5 Unit(s)**
- CHEM& 121 - Introduction to Chemistry (NS) **5 Unit(s)**
- PSYC& 100 - General Psychology (SS) **5 Unit(s)**

Total Units: 15

### Quarter 3

- CHEM& 131 - Introduction to Organic/Biochemistry (NS) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**
- PSYC& 200 - Lifespan Psychology (SS) **5 Unit(s)**

Total Units: 15

### Quarter 4

- BIOL& 241 - Human Anatomy and Physiology 1 (NS) **5 Unit(s)**
- NUTR& 101 - Nutrition (NS) **5 Unit(s)**
- HUM 110 - Ethics & Cultural Values (H)(D) **5 Unit(s)**

Total Units: 15

### Quarter 5

- BIOL& 242 - Human Anatomy and Physiology 2 (NS) **5 Unit(s)**
- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- SOC& 101 - Intro to Sociology (D)(SS) **5 Unit(s)**

Total Units: 15

### Quarter 6

- BIOL& 260 - Microbiology (NS) **5 Unit(s)**
- Elective **5 Unit(s)**
- Humanities Distribution **5 Unit(s)**

Total Units: 15

# Associate In Science Degree

The Associate in Science degree represents attainments generally required by four-year colleges and universities for pre-professional programs in scientific disciplines. The need for early concentration on coursework in the chosen scientific major diminishes the general educational experience demonstrated by the Associate in Arts degree.

By working with an advisor in the completion of one of the two Associate in Science tracks, students can transfer to one of the Washington baccalaureate institutions with reasonable assurance they have completed all or most of the prerequisite courses for the targeted science major.

## Degree Requirements:

1. A minimum of 90 units is required for the degree.
2. A minimum grade point average (GPA) of 2.0 ("C" average) is required for the degree.
3. Students completing this Associate in Science degree will receive the same priority consideration for admission to most Washington state baccalaureate institutions as they would for completing the direct transfer Associate in Arts degree and will be given junior status by the receiving institution.
4. Additional general education requirements, cultural diversity requirements, and foreign language requirements, as required by the transfer institution, must be met prior to the completion of a baccalaureate degree.
5. Students are responsible for checking specific major requirements of baccalaureate institutions in the year prior to transferring.

Courses for programs of study fall into two tracks that are listed in the program section of this catalog. These programs are designed to match specific major requirements and also to meet the general distribution requirements listed below

## College Requirement - 3 units

- COLL 100 - College & Career Success 3 Unit(s)

## Core Skills - 15 units

### A) Communication Skills 5 units

- ENGL& 101 - English Composition I (C) 5 Unit(s)

### B) Quantitative Skills 10 units

- MATH& 151 - Calculus I (M) 5 Unit(s)
- MATH& 152 - Calculus II (M) 5 Unit(s)

## Humanities & Social Sciences - 15 units

Select from at least three disciplines listed on the distribution list with at least 5 units from humanities (H) and 5 units from social sciences (SS). The

remaining 5 units can be from either category.

## Health and Fitness - 3 units

Select three (3) units from the list of courses approved for health and fitness (HF) distribution.

## Diversity - 5 units

A 5 unit course listed as a Diversity (D) course. Diversity courses may carry another distribution designation that can be counted toward both distribution requirements.

## Track I - Biological Sciences, Environmental/Resource Sciences, Chemistry, Geology, Earth Science Core Requirements: - 48-56 units

### A.

- CHEM& 161 - General Chemistry w/Lab I (NS) 6 Unit(s)
- CHEM& 162 - General Chemistry w/Lab II (NS) 6 Unit(s)
- CHEM& 163 - General Chemistry w/Lab III (NS) 6 Unit(s)

B. Students should work with an advisor to determine the best class based upon the specific discipline at the baccalaureate institution the student selects to attend.

- MATH& 146 - Introduction to Statistics (M) 5 Unit(s)  
OR
- C.
- BIOL& 221 - Majors Ecology/Evolution (NS) 5 Unit(s) AND
- BIOL& 222 - Majors Cell/Molecular (NS) 5 Unit(s) AND
- BIOL& 223 - Majors Organismal Physiology (NS) 5 Unit(s)  
OR
- PHYS& 114 - General Phys I w/Lab (NS) 5 Unit(s) AND
- PHYS& 115 - General Phys II W/Lab (NS) 5 Unit(s) AND
- PHYS& 116 - General Phys III w/Lab (NS) 5

**Unit(s)****OR**

- PHYS& 221 - Engineering Physics I (NS) **5 Unit(s)** **AND**
- PHYS& 222 - Engineering Physics II (NS) **5 Unit(s)** **AND**
- PHYS& 223 - Engineering Physics III (NS) **5 Unit(s)**

**D.**

An additional 10-18 units in physics, geology, organic chemistry, biology, or mathematics, consisting of courses generally taken for science majors. Preferably in a 2-3 quarter sequence. Biology majors should select:

- CHEM& 261 - Organic Chemistry w/Lab I (NS) **6 Unit(s)**
  - CHEM& 262 - Organic Chemistry w/Lab II (NS) **6 Unit(s)**
  - CHEM& 263 - Organic Chemistry w/Lab III (NS) **6 Unit(s)**
- OR**
- PHYS& 114 - General Phys I w/Lab (NS) **5 Unit(s)**
  - PHYS& 115 - General Phys II W/Lab (NS) **5 Unit(s)**
  - PHYS& 116 - General Phys III w/Lab (NS) **5 Unit(s)**
- OR**
- PHYS& 221 - Engineering Physics I (NS) **5 Unit(s)**
  - PHYS& 222 - Engineering Physics II (NS) **5 Unit(s)**
  - PHYS& 223 - Engineering Physics III (NS) **5 Unit(s)**

**Units: 1-9 units**

Sufficient additional college-level units so that the total units earned are at least 90-quarter units. These remaining units may include prerequisites for major courses, additional pre-major coursework, or specific general education or other university requirements, as approved by the advisor. The required student success course and health & fitness distribution course/s counts as 6 of the 9 units.

No more than two units of non-academic electives.

A list of classes that should be considered for the units:

- BIOL& 241 - Human Anatomy and Physiology 1 (NS) **5 Unit(s)**
- BIOL& 242 - Human Anatomy and Physiology 2

**(NS) 5 Unit(s)**

- BIOL 250 - Introduction to Marine Biology (NS) **5 Unit(s)**
- BIOL& 260 - Microbiology (NS) **5 Unit(s)**
- CHEM& 261 - Organic Chemistry w/Lab I (NS) **6 Unit(s)**
- CHEM& 262 - Organic Chemistry w/Lab II (NS) **6 Unit(s)**
- CHEM& 263 - Organic Chemistry w/Lab III (NS) **6 Unit(s)**
- GEOL& 101 - Introduction Physical Geology (NS) **5 Unit(s)**
- GEOL 102 - Earth Surface Processes (NS) **5 Unit(s)**
- GEOL& 103 - Historical Geology W/Lab (NS) **5 Unit(s)**
- MATH 118 - Linear Algebra (M) **5 Unit(s)**
- MATH 212 - Elementary Differential Equations (AE) **5 Unit(s)**
- PHYS& 114 - General Phys I w/Lab (NS) **5 Unit(s)**
- PHYS& 115 - General Phys II W/Lab (NS) **5 Unit(s)**
- PHYS& 116 - General Phys III w/Lab (NS) **5 Unit(s)**
- PHYS& 221 - Engineering Physics I (NS) **5 Unit(s)**
- PHYS& 222 - Engineering Physics II (NS) **5 Unit(s)**
- PHYS& 223 - Engineering Physics III (NS) **5 Unit(s)**

**Track II - Atmospheric Science, Computer Science, Engineering, Physics**

- PHYS& 221 - Engineering Physics I (NS) **5 Unit(s)**
- PHYS& 222 - Engineering Physics II (NS) **5 Unit(s)**
- PHYS& 223 - Engineering Physics III (NS) **5 Unit(s)**
- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

**Remaining Units: - 31 units**

SCIE 100 College & Career Success 3 Unit(s). The remaining 31 units should be planned with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution the student

selects to attend.

Electives up to a maximum of 5 units from courses numbered 100 or above that are not included on the ICRC approved electives list should be planned with the help of an advisor, based on the requirements of the specific discipline at the baccalaureate institution and using the programs listed later in this catalog.

### **Major Related Programs**

In addition to the transfer degrees listed above, the

college offers degrees derived from both the Associate in Arts degree (AA) and the Associate in Science degree (AS). These degrees have been developed through collaboration between the State Board for Community and Technical Colleges (SBCTC) and the public colleges and universities in Washington. These degrees may have specific requirements beyond those required by the AA or AS as listed in the program plan.

# Bioengineering and Chemical Engineering, AS-MRP

**Emphasis:** Bioengineering and Chemical Engineering

**Degree:** Associate in Science-MRP

**Total Units:** 105

**Purpose:** The Bio/Chemical Engineering Associate in Science degree is a pre-engineering Major Related Program designed for students transferring to a four-year college or university to complete a degree in the sub-discipline of bioengineering or chemical engineering. Elective units should be planned with the help of an engineering advisor and based on the requirements of the specific discipline at the baccalaureate institution the student plans to attend. This two-year program requires students to be ready for calculus by the second quarter of the first year. If you are not well prepared in high school mathematics and science, you should plan a three-year program at Centralia College in preparation for transfer to a four-year school with the main emphasis in the first year should be on strengthening your mathematics, basic sciences, communication, and reading skills.

## Suggested Quarter Sequence

### Quarter 1

- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- SCIE 100 - College & Career Success: STEM (AE) **3 Unit(s)**

Total Units: 14

### Quarter 2

- CHEM& 162 - General Chemistry w/Lab II (NS) **6 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 16

### Quarter 3

- CHEM& 163 - General Chemistry w/Lab III (NS) **6 Unit(s)**
- ENGR& 214 - Statics (AE) **5 Unit(s)**
- MATH& 152 - Calculus II (M) **5 Unit(s)**

Total Units: 16

### Quarter 4

- MATH 118 - Linear Algebra (M) **5 Unit(s)**
- PHYS& 221 - Engineering Physics I (NS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- **OR**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- PHYS& 222 - Engineering Physics II (NS) **5 Unit(s)**
- MATH& 153 - Calculus III **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 13

### Quarter 6

- MATH 212 - Elementary Differential Equations (AE) **5 Unit(s)**
- MATH& 254 - Calculus IV **5 Unit(s)**
- PHYS& 223 - Engineering Physics III (NS) **5 Unit(s)**

Total Units: 15

### Quarter 7

- CHEM& 261 - Organic Chemistry w/Lab I (NS) **6 Unit(s)**
- ENGR 100 - Introduction to Engineering **2 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 13

### Quarter 8

- ENGR 203 - Applied Numerical Methods (AE) **5 Unit(s)**
- BIOL& 222 - Majors Cell/Molecular (NS) **5 Unit(s)**
- **OR**
- CHEM& 262 - Organic Chemistry w/Lab II (NS) **6 Unit(s)**

Total Units 10-11

# Biology, AS-Track 1

**Emphasis:** Biology

**Degree:** Associate in Science

**Total Units:** 94

**Purpose:** This program is for students who wish to complete a bachelor's degree in such disciplines as general or molecular biology, zoology, microbiology, genetics, entomology, botany, horticulture, soil science, phycology, ecology, marine science, fisheries, or wildlife management.

If you are not well-prepared in high school mathematics and science, you should plan, with your advisor, a three-year program at Centralia College in preparation for transfer to a four-year college or university. The main emphasis in the first year at Centralia should be on strengthening your mathematics, basic sciences, communications, and reading skills.

To ensure optimal course selection, plan your program of study with your advisor.

## Suggested Quarter Sequence

### Quarter 1

- BIOL& 221 - Majors Ecology/Evolution (NS) **5 Unit(s)**
- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- SCIE 100 - College & Career Success: STEM (AE) **3 Unit(s)**

Health & Fitness Distribution (HF) 3 Unit(s)

Total Units: 17

### Quarter 2

- BIOL& 222 - Majors Cell/Molecular (NS) **5 Unit(s)**
- CHEM& 162 - General Chemistry w/Lab II (NS) **6 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**

Total Units: 16

### Quarter 3

- BIOL& 223 - Majors Organismal Physiology (NS) **5 Unit(s)**
- CHEM& 163 - General Chemistry w/Lab III (NS) **6 Unit(s)**
- MATH& 152 - Calculus II (M) **5 Unit(s)**

Total Units: 16

### Quarter 4

- Biology/Chemistry **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

Total Units: 15

### Quarter 5

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

### OR

- MATH& 153 - Calculus III **5 Unit(s)**
- BIOL/CHEM **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

### Quarter 6

- Biology/Chemistry **5 Unit(s)**
  - Social Science Distribution (SS) **5 Unit(s)**
- ### OR
- Humanities Distribution (H) **5 Unit(s)**
  - Elective **5 Unit(s)**

Total Units: 15

# Chemistry, AS

**Emphasis:** Chemistry

**Degree:** Associate in Science

**Total Units:** 99

**Purpose:** The Associate in Science with an emphasis in Chemistry is for students interested in transferring to a four-year college or university to complete a bachelor's degree. Students who complete this educational plan are reasonably assured of junior level standing at most four-year colleges and universities in Washington State. You are urged to consult with your advisor to coordinate your program with the requirements at the institution to which you intend to transfer. If you have successfully completed algebra, geometry, trigonometry, pre-calculus, chemistry and physics in high school you are prepared to enter Pre-Calculus Refresher (MATH& 135) and General College Chemistry (CHEM& 161) and completion of your program in four years is possible. If you are not well prepared in high school mathematics and science, you should plan, with your advisor, a three-year program at Centralia College in preparation for transfer to a four-year college or university. The main emphasis in the first year at Centralia should be on strengthening your mathematics, basic sciences, communications, and reading skills.

To ensure optimal course selection, plan your program of study with your advisor.

## Suggested Quarter Sequence

### Quarter 1

- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- SCIE 100 - College & Career Success: STEM (AE) **3 Unit(s)**

Total Units: 14

### Quarter 2

- CHEM& 162 - General Chemistry w/Lab II (NS) **6 Unit(s)**
- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**

Total Units: 17

### Quarter 3

- CHEM& 163 - General Chemistry w/Lab III (NS) **6 Unit(s)**
- MATH& 152 - Calculus II (M) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Humanities Distribution (HD) **5 Unit(s)**

### OR

- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 17

### Quarter 4

- CHEM& 261 - Organic Chemistry w/Lab I (NS) **6 Unit(s)**
- MATH 118 - Linear Algebra (M) **5 Unit(s)**

### OR

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- PHYS& 221 - Engineering Physics I (NS) **5 Unit(s)**

Total Units: 16

### Quarter 5

- CHEM& 262 - Organic Chemistry w/Lab II (NS) **6 Unit(s)**
- MATH& 153 - Calculus III **5 Unit(s)**
- PHYS& 222 - Engineering Physics II (NS) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**

Total Units: 17

### Quarter 6

- CHEM& 263 - Organic Chemistry w/Lab III (NS) **6 Unit(s)**
- PHYS& 223 - Engineering Physics III (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 16

# Computer and Electrical Engineering, AS-MRP

**Emphasis:** Computer and Electrical Engineering

**Degree:** Associate in Science-MRP

**Total Units:** 107

**Purpose:** This pre-engineering degree is a Major Related Program designed for students transferring to a four-year college or university to complete a bachelor's degree in computer engineering or electrical engineering. Elective units should be planned with the help of an engineering advisor and based on the requirements of the specific discipline at the baccalaureate institution the student plans to attend. This two-year program requires students to be ready for calculus by the second quarter of the first year. If you are not well prepared in high school mathematics and science, you should plan a three-year program at Centralia College in preparation for transfer to a four-year school with the main emphasis in the first year on strengthening your mathematics, basic sciences, communication, and reading skills.

## Suggested Quarter Sequence

### Quarter 1

- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- ENGR 100 - Introduction to Engineering **2 Unit(s)**
- SCIE 100 - College & Career Success: STEM (AE) **3 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 19

### Quarter 2

- ENGL& 235 - Technical Writing (C) **5 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 20

### Quarter 3

- CS& 131 - Computer Science I C++ (AE) **5 Unit(s)**

### OR

- CS& 141 - Computer Science I Java **5 Unit(s)**
- ENGR& 214 - Statics (AE) **5 Unit(s)**
- MATH& 152 - Calculus II (M) **5 Unit(s)**

Total Units: 15

### Quarter 4

- MATH 118 - Linear Algebra (M) **5 Unit(s)**
- PHYS& 221 - Engineering Physics I (NS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

### OR

- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- ENGR 203 - Applied Numerical Methods (AE) **5 Unit(s)**
- ENGR& 215 - Dynamics (AE) **5 Unit(s)**
- MATH& 153 - Calculus III **5 Unit(s)**
- PHYS& 222 - Engineering Physics II (NS) **5 Unit(s)**

Total Units: 20

### Quarter 6

- ENGR& 204 - Electrical Circuits (AE) **5 Unit(s)**
- MATH 212 - Elementary Differential Equations (AE) **5 Unit(s)**
- MATH& 254 - Calculus IV **5 Unit(s)**
- PHYS& 223 - Engineering Physics III (NS) **5 Unit(s)**

Total Units: 20

# Environmental Science, AS

**Emphasis:** Environmental Science

**Degree:** Associate in Science

**Total Units:** 91

**Purpose:** The Associate in Science degree with an emphasis in Environmental Science is intended for students who plan a career as a scientist or technician in an environmental field such as conservation biology, environmental chemistry, environmental geology, energy resources, environmental planning, agro- ecology or atmospheric sciences.

## Suggested Quarter Sequence

### Quarter 1

- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- ENV& 100 - Survey of Environmental Science (NS) **5 Unit(s)**
- HLTH 130 - Health & Wellness (HF) **3 Unit(s)**
- SCIE 100 - College & Career Success: STEM (AE) **3 Unit(s)**

Total Units: 17

### Quarter 2

- CHEM& 162 - General Chemistry w/Lab II (NS) **6 Unit(s)**
- GEOL& 101 - Introduction Physical Geology (NS) **5 Unit(s)**
- ENV& 170 - Natural Resources Mgmt (NS) **5 Unit(s)**

Total Units: 16

### Quarter 3

- CHEM& 163 - General Chemistry w/Lab III (NS) **6 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

Total Units: 16

### Quarter 4

- BIOL& 221 - Majors Ecology/Evolution (NS) **5 Unit(s)**
- MATH& 152 - Calculus II (M) **5 Unit(s)**
- PHYS& 221 - Engineering Physics I (NS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- BIOL& 222 - Majors Cell/Molecular (NS) **5 Unit(s)**
- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

**OR**

Total Units: 15

### Quarter 6

- BIOL& 223 - Majors Organismal Physiology (NS) **5 Unit(s)**
- HLTH 130 - Health & Wellness (HF) **3 Unit(s)**
- ECON& 201 - Microeconomics (SS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

**OR**

- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 13

# Geology, AS Track 1

**Emphasis:** Geology, Environmental Geo-sciences, Geophysics, Oceanography

**Degree:** Associate in Science

**Total Units:** 94

**Purpose:** The degree program in Geology transfers to four-year colleges and universities. Completion of the program qualifies a student for junior standing at most four-year colleges and universities in Washington, and reasonably assures qualification outside of the state. Students not prepared to enter MATH& 151 and CHEM& 121 should plan on more than four years to complete a bachelor's degree. For those students, a three-year program of study at Centralia College, carefully planned with an advisor, is recommended.

Many transfer schools have language requirements for admission or for certain kinds of bachelor's degrees. Graduate work in science may require a foreign language, probably German, French, or Russian. The program outlined below is more rigorous in mathematics, chemistry, and physics than minimum requirements at some four-year colleges and universities for some earth sciences. Substitution of less rigorous courses is not generally recommended.

## Suggested Quarter Sequence

### Quarter 1

- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- GEOL& 101 - Introduction Physical Geology (NS) **5 Unit(s)**

Total Units: 16

### Quarter 2

- CHEM& 162 - General Chemistry w/Lab II (NS) **6 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**
- SCIE 100 - College & Career Success: STEM (AE) **3 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 17

### Quarter 3

- CHEM& 163 - General Chemistry w/Lab III (NS) **6 Unit(s)**
- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- MATH& 152 - Calculus II (M) **5 Unit(s)**

Total Units: 16

### Quarter 4

- GEOL 102 - Earth Surface Processes (NS) **5 Unit(s)**
- PHYS& 221 - Engineering Physics I (NS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

**OR**

- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- GEOL& 103 - Historical Geology W/Lab (NS) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

**OR**

- MATH& 153 - Calculus III **5 Unit(s)**
- PHYS& 222 - Engineering Physics II (NS) **5 Unit(s)**

Total Units: 15

### Quarter 6

- GEOL 108 - Natural Hazards & Catastrophes (NS) **5 Unit(s)**

**OR**

- OCEA& 101 - General Oceanography (NS) **5 Unit(s)**
- PHYS& 223 - Engineering Physics III (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

# Mechanical & Civil Engineering, AS-MRP

**Emphasis:** Mechanical & Civil Engineering

**Degree:** Associate in Science-MRP

**Total Units:** 115

**PURPOSE:** This pre-engineering degree is a Major Related Program designed for students transferring to a four-year college or university to complete a degree in the sub-disciplines of mechanical, civil, aeronautical, industrial, and materials science engineering. Elective credits should be planned with the help of an engineering advisor and based on the requirements of the specific discipline at the baccalaureate institution the student plans to attend. This two-year program requires students to be calculus-ready second quarter of the first year. If you are not well prepared in high school mathematics and science, you should plan a three-year program at Centralia College in preparation for transfer to a four-year school. The main emphasis in the first year should be on strengthening your mathematics, basic sciences, communication, and reading skills.

## Suggested Quarter Sequence

### Quarter 1

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- ENGR 100 - Introduction to Engineering **2 Unit(s)**
- SCIE 100 - College & Career Success: STEM (AE) **3 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 18

### Quarter 2

- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**
- Engineering Elective **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 21

### Quarter 3

- CHEM& 162 - General Chemistry w/Lab II (NS) **6 Unit(s)**
- ENGR& 214 - Statics (AE) **5 Unit(s)**
- MATH& 152 - Calculus II (M) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

### OR

- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 21

### Quarter 4

- ENGR& 225 - Mechanics of Materials (AE) **5 Unit(s)**
- MATH 118 - Linear Algebra (M) **5 Unit(s)**
- PHYS& 221 - Engineering Physics I (NS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- ENGR 203 - Applied Numerical Methods (AE) **5 Unit(s)**
- ENGR& 215 - Dynamics (AE) **5 Unit(s)**
- MATH& 153 - Calculus III **5 Unit(s)**
- PHYS& 222 - Engineering Physics II (NS) **5 Unit(s)**

Total Units: 20

### Quarter 6

- ENGR& 204 - Electrical Circuits (AE) **5 Unit(s)**
- MATH 212 - Elementary Differential Equations (AE) **5 Unit(s)**
- MATH& 254 - Calculus IV **5 Unit(s)**
- PHYS& 223 - Engineering Physics III (NS) **5 Unit(s)**

Total Units: 20

# Physics, AS Track 2

**Emphasis:** Physics

**Degree:** Associate in Science

**Total Units:** 99

**Purpose:** The Associate in Science Track 2 with an emphasis in Physics is designed for students transferring to a four-year college or university to complete a degree in physics. If you are not well prepared in high school mathematics and science, you should plan, with your advisor, a three-year program at Centralia College in preparation for transfer to a four-year college or university. The emphasis in the first year at Centralia should be on strengthening your mathematics, basic sciences, communications, and reading skills. To ensure optimal course selection, plan your program of study with an advisor.

## Suggested Quarter Sequence

### Quarter 1

- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- SCIE 100 - College & Career Success: STEM (AE) **3 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 17

### Quarter 2

- CHEM& 162 - General Chemistry w/Lab II (NS) **6 Unit(s)**
- ENGL& 235 - Technical Writing (C) **5 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**

Total Units: 16

### Quarter 3

- CHEM& 163 - General Chemistry w/Lab III (NS) **6 Unit(s)**
- MATH& 152 - Calculus II (M) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 16

### Quarter 4

- MATH 118 - Linear Algebra (M) **5 Unit(s)**
- PHYS& 221 - Engineering Physics I (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- ENGR 203 - Applied Numerical Methods (AE) **5 Unit(s)**
- PHYS& 222 - Engineering Physics II (NS) **5 Unit(s)**
- MATH& 153 - Calculus III **5 Unit(s)**

Total Units: 15

### Quarter 6

- MATH 212 - Elementary Differential Equations (AE) **5 Unit(s)**
- PHYS& 223 - Engineering Physics III (NS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

**OR**

- Social Science Distribution (SS) **5 Unit(s)**
- MATH& 254 - Calculus IV **5 Unit(s)**

Total Units: 20

# Pre-Chiropractic, AS Track 1

**Emphasis:** Pre-Chiropractic

**Degree:** Associate in Science, Track 1

**Total Units:** 91

**Purpose:** The Pre-Chiropractic program is intended for persons who plan to pursue a professional career in chiropractic therapy. The plan of study presents a challenging blend of natural and physical sciences and can be tailored to meet individual needs. If you complete the recommended courses, you are reasonably assured of being able to transfer with junior standing to most colleges and universities in Washington State. You are urged to consult with your advisor as you plan your curriculum and select electives. This will allow your advisor to coordinate your program with the requirements of the institution to which you expect to transfer. Be certain to meet with your advisor to select a sequence of classes that will meet your transfer goals.

## Suggested Order of Classes

### Quarter 1

- BIOL& 221 - Majors Ecology/Evolution (NS) **5 Unit(s)**
- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

Total Units: 16

### Quarter 2

- BIOL& 222 - Majors Cell/Molecular (NS) **5 Unit(s)**
- CHEM& 162 - General Chemistry w/Lab II (NS) **6 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**

Total Units: 16

### Quarter 3

- BIOL& 223 - Majors Organismal Physiology (NS) **5 Unit(s)**
- CHEM& 163 - General Chemistry w/Lab III (NS) **6 Unit(s)**
- MATH& 152 - Calculus II (M) **5 Unit(s)**

Total Units: 16

### Quarter 4

- BIOL& 241 - Human Anatomy and Physiology 1 (NS) **5 Unit(s)**

#### OR

- PHYS& 221 - Engineering Physics I (NS) **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 13

### Quarter 5

- BIOL& 242 - Human Anatomy and Physiology 2 (NS) **5 Unit(s)**

#### OR

- PHYS& 222 - Engineering Physics II (NS) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15

### Quarter 6

- BIOL& 243 - Adv. Topics Human A & P (NS) **5 Unit(s)**

#### OR

- PHYS& 223 - Engineering Physics III (NS) **5 Unit(s)**
- Elective **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

#### OR

- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15

# Pre-Medicine/Pre-Dentistry, AS Track 1

**Emphasis:** Pre-Medicine/Pre-Dentistry

**Degree:** Associate in Science

**Total Units:** 94-97

**Purpose:** The Pre-Medicine/Pre-Dentistry program is intended for person who wish to prepare for a career in a medical profession. Medical schools do not give higher priority to a given major field of study when selecting candidates. You are therefore encouraged to formulate a program of study which is scholastically challenging, and which can be the basis for a future career or for graduate study in the event you are not admitted to a medical school. The program outlined below provides a solid foundation in the natural and physical sciences. If you complete this program of study, you are reasonably assured of being able to transfer with junior standing to most four-year colleges and universities in Washington State. You are urged to consult with your advisor as you plan your curriculum and select electives. This will allow your advisor to coordinate your program with the requirements of your intended major at the institution to which you expect to transfer.

## Suggested Quarter Sequence

### Quarter 1

- BIOL& 221 - Majors Ecology/Evolution (NS) **5 Unit(s)**
- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- SCIE 100 - College & Career Success: STEM (AE) **3 Unit(s)**

Total Units: 19

### Quarter 2

- BIOL& 222 - Majors Cell/Molecular (NS) **5 Unit(s)**
- CHEM& 162 - General Chemistry w/Lab II (NS) **6 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**

Total Units: 16

### Quarter 3

- BIOL& 223 - Majors Organismal Physiology (NS) **5 Unit(s)**
- CHEM& 163 - General Chemistry w/Lab III (NS) **6 Unit(s)**

- MATH& 152 - Calculus II (M) **5 Unit(s)**

Total Units: 16

### Quarter 4

- HUM 110 - Ethics & Cultural Values (H)(D) **5 Unit(s)**
- PSYC& 100 - General Psychology (SS) **5 Unit(s)**
- Biology/Chemistry/Physics sequence **5-6 Unit(s)**

Total Units: 15-16

### Quarter 5

- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

### OR

- MATH& 153 - Calculus III **5 Unit(s)**
- Biology/Chemistry/Physics sequence **5-6 Unit(s)**

Total Units: 15-16

### Quarter 6

- SOC& 101 - Intro to Sociology (D)(SS) **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**
- Biology/Chemistry/Physics sequence **5-6 Unit(s)**

Total Units: 13-14

# Pre-Pharmacy, AS Track 1

**Emphasis:** Pre-Pharmacy, AS Track 1

**Degree:** Associate in Science

**Total Units:** 91-94

**Purpose:** The Pre-Pharmacy program is intended for persons who plan to pursue a professional career in pharmacy. The plan of study presents a challenging blend of natural and physical sciences and can be tailored to meet individual needs. If you complete the program outlined, you are reasonably assured of being able to transfer with junior standing to most colleges and universities in Washington State. You are urged to consult with your advisor as you plan your curriculum and select electives.

This will allow your advisor to coordinate your program with the requirements of the institution to which you expect to transfer.

Be certain to meet with your advisor to select a sequence of classes that will meet your transfer goals.

## Suggested Quarter Sequence

### Quarter 1

- BIOL& 221 - Majors Ecology/Evolution (NS) **5 Unit(s)**
- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

Total Units: 16

### Quarter 2

- BIOL& 222 - Majors Cell/Molecular (NS) **5 Unit(s)**
- CHEM& 162 - General Chemistry w/Lab II (NS) **6 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**

Total Units: 16

### Quarter 3

- BIOL& 223 - Majors Organismal Physiology (NS) **5 Unit(s)**
- CHEM& 163 - General Chemistry w/Lab III (NS) **6 Unit(s)**
- MATH& 152 - Calculus II (M) **5 Unit(s)**

Total Units: 16

### Quarter 4

- Biology/Chemistry sequence **5-6 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 13-14

### Quarter 5

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- Biology/Chemistry sequence **5-6 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15-16

### Quarter 6

- Biology/Chemistry sequence **5-6 Unit(s)**
  - Elective **5 Unit(s)**
  - Humanities Distribution (H) **5 Unit(s)**
- OR**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15-16

# Pre-Veterinary Medicine, AS Track 1

**Emphasis: Pre Veterinary Medicine, AS Track 1**

**Degree:** Associate in Science

**Total Units:** 94-97

**Purpose:** The Pre-Veterinary Medicine program is intended for persons who plan to pursue a professional career. The plan of study presents a challenging blend of natural and physical sciences and can be used to meet the requirements for an animal science major at Washington State University. If you complete the program outlined below, you are reasonably assured of being able to transfer with junior standing to most four-year colleges and universities in Washington State. You are urged to consult with your advisor as you plan your curriculum and select electives. This will allow your advisor to coordinate your program with the requirements of your intended major at the institution to which you expect to transfer.

Be certain to meet with your advisor to select a sequence of classes that will meet your transfer goals.

## Suggested Quarter Sequence

### Quarter 1

- BIOL& 221 - Majors Ecology/Evolution (NS) **5 Unit(s)**
- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- SCIE 100 - College & Career Success: STEM (AE) **3 Unit(s)**

Total Units: 19

### Quarter 2

- BIOL& 222 - Majors Cell/Molecular (NS) **5 Unit(s)**
- CHEM& 162 - General Chemistry w/Lab II (NS) **6 Unit(s)**
- MATH& 151 - Calculus I (M) **5 Unit(s)**

Total Units: 16

### Quarter 3

- BIOL& 223 - Majors Organismal Physiology (NS) **5 Unit(s)**
- CHEM& 162 - General Chemistry w/Lab II (NS) **6 Unit(s)**
- MATH& 152 - Calculus II (M) **5 Unit(s)**

Total Units: 16

### Quarter 4

- Science Sequence **5-6 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 13-14

### Quarter 5

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

### OR

- MATH& 153 - Calculus III **5 Unit(s)**
- Science Sequence **5-6 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: 15-16

### Quarter 6

- Science Sequence **5-6 Unit(s)**
- Elective **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

### OR

- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 15-16

# Limited Transfer Degrees

## Associate In Applied Science-Transfer

The Associate in Applied Science-Transfer degree is for transfer to schools offering baccalaureates in applied science. This degree combines the technical focus of the Associate in Technical Arts with a minimum of 20 units of transferable academic courses.

This degree is not generally transferable. Students intending to transfer should work with an advisor to make sure this is the right degree.

## Degree Requirements:

To qualify for the degree, students must complete a minimum of 90 units in subjects numbered 100 or above. Students must also achieve a grade point average (GPA) of at least a 2.0 ("C" average).

Courses must be selected in accordance with a college program of study. Check with an advisor for a current list of programs. These programs are designed to incorporate specific and major requirements as well as meet general education and related instruction requirements.

The program must include:

### English Communications

- ENGL& 101 - English Composition I (C) **5 Unit(s)**

### Quantitative Reasoning

- (see distribution list) - 5 units

### Humanities & Social Science

- (see distribution list) - 10 units

### Health & Fitness

- (see distribution list) - 3 units

### College & Career Success **3 Unit(s)**

# Early Childhood Education - AAS-T

**Emphasis:** Early Childhood Education

**Degree:** Associate in Applied Science - Transfer

**Total Units:** 93-95

**Class Type:** Lecture, Lab, Hybrid, Online

**Purpose:** The Early Childhood AAS-T degree provides both the necessary critical content to compete for immediate employability in early care and education and the general education coursework necessary for transfer to a bachelor's degree program.

Coursework can apply to the Early Childhood endorsement for Washington State teaching certification. These courses acquaint the student with terms, vocabulary, and activities pertinent to a quality experience within the early childhood education field.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Demonstrate an understanding of how children differ in their development and approaches to learning and to use this knowledge to provide opportunities that support the physical, social, emotional, and cognitive development of all young children from birth through age eight.
- Demonstrate the ability to use theory, research and foundations of education when planning and implementing Early Child Education programs.
- Plan and implement developmentally appropriate curriculum and teaching practices based on knowledge of individual children, the community and the curriculum goals and content.
- Use individual and group guidance and problem-solving techniques to develop positive and supportive relationships with children and develop personal self-control, self-motivation, and positive self-esteem.
- Establish and maintain positive, collaborative relationships with families.
- Articulate a philosophy and rationale for decisions while continually assessing and evaluating the effects of their choices and actions on others.
- Serve as an advocate on behalf of young children and their families, programs for young children and the working environment for early childhood educators.
- Demonstrate an understanding of the early childhood profession and a commitment to professionalism.
- Demonstrate competence in managing human, fiscal, and spatial resources while meeting the health and safety needs of children and adults.
- Model global awareness and respect for the cultural diversity of children.

## Suggested Quarter Sequence

### Quarter 1

- ECED& 105 - Introduction Early Child Education (SS) **5 Unit(s)**
- ECED& 107 - Health/Safety/Nutrition **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

Total Units: 15

### Quarter 2

- ECED& 120 - Practicum-Nurturing Relationships **2 Unit(s)**
- EDUC& 115 - Child Development (SS) **5 Unit(s)**
- EDUC& 130 - Guiding Behavior **3 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**

Total Units: 15

### Quarter 3

- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- ECED& 180 - Language/Literacy Development **3 Unit(s)**

- Education Elective **3-5 Unit(s)**
  - Social Science Distribution (SS) **5 Unit(s)**
- Total Units: 16-18

### Quarter 4

- EDUC& 150 - Child, Family, Community **3 Unit(s)**
- H R 110 - Human Relation-Workplace **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 16

### Quarter 5

- ECED& 170 - Environments-Young Child **3 Unit(s)**
- ECED& 190 - Observation & Assessment **3 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 16

### Quarter 6

- BTEC 120 - Applied Business Math **5 Unit(s)**

**OR**

- Quantitative Skills Distribution (M) **5 Unit(s)**
- ECED& 160 - Curriculum Development **5 Unit(s)**

- ECED 233 - ECE Practicum 2 **5 Unit(s)**

Total Units: 15

**Recommended Education Electives:**

- ECED& 134 - Family Child Care **3 Unit(s)**
- ECED& 138 - Home Visiting & Family Engagement **3 Unit(s)**

**OR**

- ECED& 139 - Administration of Early Childhood Education **3 Unit(s)**

**OR**

- EDUC& 136 - School Age Care **3 Unit(s)**
- EDUC& 204 - Exceptional Child **5 Unit(s)**

**OR**

- EDUC& 205 - Introduction to Education with Field Experience (AE) **5 Unit(s)**

**Recommended Natural Science Distribution:**

Lab Science, Life Science, or Physical Science courses with at least one lab

**Recommended Social Science Distribution:**

History, PNW History, or Western Civilization

# Nursing - Registered, AAST

**Major:** Nursing

**Degree:** Associate in Applied Science - Transfer

**Total Units:** 120

**Purpose:** The RN program at Centralia College is designed to prepare students to give nursing care in a variety of health care settings. Students who complete the RN program are eligible to take the National Council Licensure Examination for Registered Nursing (NCLEX-RN). In addition to preparing a student to compete for employment in the nursing profession, the AAS-T degree provides science and general education courses appropriate for students planning a future transfer directly into selected Bachelor of Science in Nursing (BSN) programs.

A maximum of 24 students are selected each fall to begin the first year of the RN program. RN students must apply for admission to the program on the Centralia College website. Students wishing to enter the RN program must meet all of the prerequisite courses, grade point average requirements, and have an active and unencumbered Nursing Assistant Certification within the state of Washington. Program application opens in January and closes in April. Students who have completed the application and paid the nominal application fee will have until June 30 to complete prerequisites and core requirements.

Students admitted to the Centralia College Nursing Program will be required to attend a mandatory orientation and:

- Have a working Centralia College email
- Provide a copy of current Basic Life Support (BLS) for Healthcare Providers (HCP) card (must be American Heart Association approved).
- Complete clinical and program contracts
- Provide immunization records (initial and ongoing)
- Consent to background checks (initial and ongoing)
- Provide copy of current state issued ID

**Program Outcomes** Upon successful completion, students will have demonstrated the ability to:

- **Maintaining Belief-** Provides patient-centered care to facilitate spiritual, mental and physical health with sensitivity and respect for the diversity of the human experience.
- **Knowing -** Uses clinical judgement and evidence-based practice as the basis for decision making in the provision of safe, comprehensive patient-centered care.
- **Being With -** Practices compassionate, competent, holistic, high quality patient-centered care in all situations.
- **Doing For -** Uses critical thinking to promote holistic health while performing technical skills in an efficient, competent manner.
- **Enabling/Informing -** Coordinates, collaborates and communicates with diverse patient populations, families and interdisciplinary health care teams to plan, deliver and evaluate care which promotes quality of life and empowers the patient through education.

## Prerequisites for Admission

- BIOL& 241 - Human Anatomy and Physiology 1 (NS) **5 Unit(s)**
- BIOL& 242 - Human Anatomy and Physiology 2 (NS) **5 Unit(s)**
- CHEM& 121 - Introduction to Chemistry (NS) **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- PSYC& 200 - Lifespan Psychology (SS) **5 Unit(s)**
- NA-C Certification \*

## **Core Requirements \*\***

- ANTH& 206 - Cultural Anthropology (D) (SS) **5 Unit(s) \*\***

### **OR**

- SOC& 101 - Intro to Sociology (D)(SS) **5 Unit(s) \*\***
- BIOL& 260 - Microbiology (NS) **5 Unit(s) \*\***
- CMST& 220 - Public Speaking (H) **5 Unit(s) \*\***

### **OR**

- CMST 250 - Intercultural Communications (H) **5 Unit(s) \*\***
- Health & Fitness Distribution **3 Unit(s) \*\***

## **Nursing Courses**

### **Quarter 1**

- NURS 101 - Basic Nursing Care Concepts **8 Unit(s)**
- NURS 111 - Basic Nursing Care Concepts Practicum **4 Unit(s)**

### **Quarter 2**

- NURS 102 - Common Alterations in Health I **7 Unit(s)**
- NURS 112 - Common Alterations in Health I Practicum **5 Unit(s)**

### **Quarter 3**

- NURS 103 - Common Alterations in Health II **7 Unit(s)**
- NURS 113 - Common Alterations in Health II Practicum **5 Unit(s)**

### **Quarter 4**

- NURS 201 - Mental Health and Lifespan **7 Unit(s)**
- NURS 211 - Mental Health and Lifespan Practicum **5 Unit(s)**

### **Quarter 5**

- NURS 202 - Complex Alterations in Health **7 Unit(s)**
- NURS 212 - Complex Alterations in Health Practicum **5 Unit(s)**

### **Quarter 6**

- NURS 203 - Complex Management **8 Unit(s)**
- NURS 222 - Transition to Practice **4 Unit(s)**

**Note:** \* Applicant **MUST** have current, **ACTIVE** NA-C Certification status listed on the WA Department of Health Licensing/Credentials website. Completion of a NA-C course and completion or passage of the WA NA-C exam alone is **NOT** considered active certification status

**\*\*** Courses which are recommended to be taken prior to admission.

# Career and Technical Degrees

## Associate In Applied Science Degree

Students whose plan is to prepare to compete for employment in an occupational field may choose to earn an Associate in Applied Science degree. Since this degree concentrates on a particular trade or skill, it does not have broad general education requirements.

Whether a technical course will transfer or count as a degree requirement for a baccalaureate degree is at the discretion of the transfer college or university.

The 90 units must include the following related instruction minimum requirements:

- A. **Written Communication Skills** - 5 units
- B. **Computation Skills** - 5 units
- C. **College & Career Success** - 3 units

Programs vary in total units necessary to obtain a degree, although the minimum requirement is 90 units. Core program units are designed to meet occupational skills standards.

## Bachelor of Applied Science Degrees

A traditional bachelor degree requires general education classes from many disciplines and is designed to provide students a wide base of knowledge, allowing them to concentrate their education in the third or fourth year of their education. A BAS degree gives students the chance to focus their education on their specific educational and career goals early within their education and incorporates more practical and concentrated hands-on learning in a specific industry or the career of their choice.

## Associate in General Studies Degree

The Associate in General Studies degree is designed for students who do not plan to transfer to a four-year college or pursue an Associate in Technical Arts degree in a specific occupational area. It is a terminal degree with emphasis on improvement of basic skills, general knowledge in the areas of humanities, natural science and social science, and some specialty of choice. This degree is designed to prepare the student to lead a full and useful life.

To qualify for the Associate in General Studies degree, students must complete 90 units in courses numbered 100 or above, with a cumulative grade point average of at least a 2.0 ("C" average).

The 90 units must include the following:

**Forty-three (43) units taken in communication skills, humanities, math/natural sciences, social sciences, and health and fitness consisting of the following:**

- A. A minimum of ten (10) units in communication skills ENGL& 101, ENGL& 102, or ENGL& 235.
- B. A minimum of ten (10) units in each of the three general areas of knowledge (humanities, math/natural sciences, and social sciences). See the AA distribution list.
- C. Three (3) units from the list of courses approved for Health and Fitness distribution.
- D. College and Career Success course (3) units

An additional 47 units of the students' choice to satisfy their own educational plans or interests. Choices can be occupational, personal enjoyment, physical education, or academic courses.

# Accounting/Tax, AAS

**Emphasis:** Accounting/Tax

**Degree:** Associate in Applied Science

**Total Units:** 90

**Class Type:** Lecture, Lab, Hybrid, Online

**Purpose:** The AAS program in Accounting provides students with necessary skills to compete for entry-level accounting positions in private industry, state and local government, and public accounting firms.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Manage accounting information and data in a variety of business settings.
- Prepare financial statements in accordance with Generally Accepted Accounting Principles (GAAP).
- Assist in conducting audits in accordance with Generally Accepted auditing Standards (GAAS).
- Use the computer accounting software QuickBooks.
- Calculate tax liability and prepare tax forms for individuals and business entities.
- Prepare written and oral business communications to industry standards using word processing and spreadsheet software.

## Suggested Quarter Sequence

### Quarter 1

- ACCT& 201 - Principles of Accounting I (AE) **5 Unit(s)**
- BTEC 214 - Excel 1 **5 Unit(s)**
- BUS 100 - College & Career Success: BUS **3 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 16

### Quarter 2

- ACCT& 202 - Principles of Accounting II (AE) **5 Unit(s)**
- BTEC 210 - Word 1 **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

### OR

- WRT 105 - Writing In The Workplace **5 Unit(s)**

Total Units: 15

### Quarter 3

- ACCT& 203 - Principles of Accounting III (AE) **5 Unit(s)**
- H R 110 - Human Relation-Workplace **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

### OR

- BTEC 120 - Applied Business Math **5 Unit(s)**

Total Units: 15

### Quarter 4

- ACCT 210 - Introduction to Audit **5 Unit(s)**
- ACCT 270 - Payroll Accounting **5 Unit(s)**
- ECON& 201 - Microeconomics (SS) **5 Unit(s)**

### OR

- ECON& 202 - Macroeconomics (SS) **5 Unit(s)**

Total Units: 15

### Quarter 5

- ACCT 260 - Individual Income Taxes **5 Unit(s)**
- BUS& 201 - Business Law (AE) **5 Unit(s)**
- Business Elective **5 Unit(s)**

### OR

- Accounting Elective **5 Unit(s)**

Total Units: 15

### Quarter 6

- ACCT 220 - QuickBooks **4 Unit(s)**
- ACCT 240 - Business Entity Tax **5 Unit(s)**
- ACCT 285 - Bookkeeper Certification Course **5 Unit(s)**

Total Units: 14

# Application Development, AAS

**Emphasis:** Application Development

**Degree:** Associate in Applied Science

**Total Units:** 94-96

**Class Type:** Lecture, Lab, Hybrid, Virtual

**Purpose:** Provides students with a foundation in the principles and philosophies of application development. Successful completion of the two-year program will prepare students for entry-level application/software developer positions. It will also satisfy the requirements necessary for students to pursue a Bachelor of Applied Science degree.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Creativity and innovation: Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.
- Communication and collaboration: Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.
- Research and information fluency: Students apply digital tools to gather, evaluate, and use information.
- Critical thinking, problem-solving, and decision making: Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.
- Digital citizenship: Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.
- Technology operations and concepts: Students demonstrate a sound understanding of technology concepts, systems, and operations.

## Suggested Quarter Sequence

### Quarter 1

- COLL 100 - College & Career Success **3 Unit(s)**
- I T 150 - Relational Databases **5 Unit(s)**
- CS& 131 - Computer Science I C++ (AE) **5 Unit(s)**

OR

- CS& 141 - Computer Science I Java **5 Unit(s)**

OR

- I T 101 - Intro to Programming (AE) **5 Unit(s)**
- WRT 105 - Writing In The Workplace **5 Unit(s)**

OR

- ENGL& 101 - English Composition I (C) **5 Unit(s)**

Total Units: 18

### Quarter 2

- H R 110 - Human Relation-Workplace **5 Unit(s)**
- I T 111 - Programming I **5 Unit(s)**
- I T 119 - Introduction to Web Development **5 Unit(s)**

Total Units: 15

### Quarter 3

- I T 112 - Programming II **5 Unit(s)**
- I T 121 - Web Development I **5 Unit(s)**

- MATH 102 - Introduction to Discrete Structures **5 Unit(s)**

OR

- MATH& 141 - Precalculus I (M) **5 Unit(s)**

Total Units: 15

### Quarter 4

- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- I T 113 - Programming III **5 Unit(s)**
- I T 212 - Web Development II **5 Unit(s)**

Total Units: 15

### Quarter 5

- I T 213 - Web Development III **5 Unit(s)**
- I T 220 - Software Development I **5 Unit(s)**
- I T Elective **4-5 Unit(s)**

Total Units: 14-15

### Quarter 6

- I T 221 - Software Development II **5 Unit(s)**
- I T 280 - Application Development Capstone **5 Unit(s)**
- I T Elective **4-5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 17-18

# Business Administration / Management, AAS

**Degree:** Associate in Applied Science

**Total Units:** 91

**Class Type:** Lecture, Lab, Hybrid, Online

**Purpose:** The Associate in Applied Science in Business Administration provides students with a broad exposure to the principles and philosophies of business and management. Successful completion of the two-year program will help facilitate the process of graduates pursuing meaningful careers in a dynamic, changing business environment. It will also satisfy the requirements necessary for students to pursue additional advanced degrees.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Prepare statements to monitor, evaluate, and assess financial performance of a business.
- Evaluate the performance of a business by using tools of pricing, promotion, product development, & distribution.
- Recognize and analyze how economic forces shape the environment of business and aid in decision making.
- Demonstrate the ability to apply acquired skills to workplace scenarios.
- Demonstrate human relations skills and professional behavior necessary for successful job performance.
- Apply rules of grammar, punctuation, and spelling to written communications.
- Define and compare and contrast characteristics and traits of leadership and management.
- Explain the importance and challenges of diversity, employee motivation, and employee engagement in the workplace.
- Identify and describe various forms of business ownership.
- Summarize basic laws in regard to business ownership, recruitment and hiring practices, OSHA, and liability.
- Explain communication, social responsibility, ethics, morals, and values as they relate to the workplace.
- Create a personal code of ethics and explain how it relates and impacts the workplace.
- Identify the impact of international business and explain various methods for a business to enter the global market.
- Describe the activities involved in each function of management and at various levels of management in the workplace.

## Suggested Quarter Sequence

### Quarter 1

- BTEC 210 - Word 1 **5 Unit(s)**
- BUS& 101 - Introduction to Business (AE) **5 Unit(s)**
- BUS 100 - College & Career Success: BUS **3 Unit(s)**

Total Units: 13

### Quarter 2

- BTEC 214 - Excel 1 **5 Unit(s)**
  - WRT 105 - Writing In The Workplace **5 Unit(s)**
- OR
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
  - BUS 275 - Principles of Management **5 Unit(s)**

Total Units: 15

### Quarter 3

- H R 110 - Human Relation-Workplace **5 Unit(s)**
  - BTEC 120 - Applied Business Math **5 Unit(s)**
- OR
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
  - Health & Fitness Distribution (HF) **3 Unit(s)**
  - Business Elective **5 Unit(s)**

Total Units: 18

### Quarter 4

- ACCT& 201 - Principles of Accounting I (AE) **5 Unit(s)**
- BUS 203 - Human Resource Management **5 Unit(s)**
- Business Elective **5 Unit(s)**

Total Units: 15

### Quarter 5

- ACCT& 203 - Principles of Accounting III (AE) **5 Unit(s)**
- Business Elective **5 Unit(s)**
- Business Elective **5 Unit(s)**

Total Units: 15

### Quarter 6

- Business Elective **5 Unit(s)**
- Business Elective **5 Unit(s)**
- CMST& 220 - Public Speaking (H) **5 Unit(s)**

Total Units: 15

# Criminal Justice, AAS

**Emphasis:** Criminal Justice

**Degree:** Associate in Applied Science

**Total Units:** 91

**Class Type:** Lecture, Lab, Hybrid, Online

**Purpose:** Designed to meet the education needs of both working professionals and those seeking new employment in a variety of law enforcement and correctional agencies. Cooperative education components will be designed with local or state law enforcement agencies, correctional institutions, or social service support agencies. Courses offered in a variety of formats to accommodate the schedules of traditional and non-traditional students alike. Cooperative education components offered in partnership with regional law enforcement agencies, adult and juvenile correctional institutions.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Discuss and demonstrate basic procedures related to the fields of law enforcement and corrections.
- Utilize knowledge about state and federal laws that impact law enforcement and corrections in decision making.
- Understand and discuss the difference in relationships between law enforcement, the community and other legal entities.
- Understand and describe the relationships that exist between the various law enforcement, corrections, and the courts systems and at the local, state and federal levels of government.
- Discuss ethics as related to law enforcement and corrections.

## Suggested Quarter Sequence

### Quarter 1

- CJ& 101 - Introduction to Criminal Justice (SS) **5 Unit(s)**
- CJ 103 - Constitutional Case Law **5 Unit(s)**
- COLL 100 - College & Career Success **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

### OR

- WRT 105 - Writing In The Workplace **5 Unit(s)**
- Total Units: 18

### Quarter 2

- CJ 104 - Introduction to Law Enforcement (AE) **5 Unit(s)**
  - CJ 107 - Criminal Procedures **5 Unit(s)**
  - Criminal Justice Elective **5 Unit(s)**
- Total Units: 15

### Quarter 3

- CJ 109 - Community Policing **5 Unit(s)**
  - CJ& 110 - Criminal Law (AE) **5 Unit(s)**
  - CJ& 106 - Juvenile Justice (D)(SS) **5 Unit(s)**
- Total Units: 15

### Quarter 4

- H R 110 - Human Relation-Workplace **5 Unit(s)**
  - Criminal Justice Elective **(5) Unit(s)**
  - Quantitative Skill Distribution (M) **(5) Unit(s)**
- Total Units: 15

### Quarter 5

- CJ 111 - Criminal Justice Ethics **5 Unit(s)**
  - CJ& 112 - Criminology (AE) **5 Unit(s)**
  - Health & Fitness Distribution (HF) **3 Unit(s)**
- Total Units: 13

### Quarter 6

- CJ 204 - Reports, Forms & Affidavits **5 Unit(s)**
  - Criminal Justice Elective **10 Unit(s)**
- Total Units: 15

# Diesel Equipment Technology, AAS

**Emphasis:** Diesel Equipment Technology

**Degree:** Associate in Applied Science

**Total Units:** 103-110

**Class Type:** Lecture, Lab, Hybrid

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Perform repair procedures using proper tools while abiding by safety and environmental regulations.
- Identify, diagnose and repair electrical and hydraulic circuits.
- Maintain proper workplace documentation in a professional manner.
- Conduct behavior that is consistent with the professionalism standards of the industry.

## Suggested Quarter Sequence

### Quarter 1

- TRDS 101 - College & Career Success: TRDS **3 Unit(s)**
- DET 105 - Shop Skills/Transmissions I **14 Unit(s)**
- BTEC 130 - Computer Applications **3 Unit(s)**

**OR**

- BTEC 214 - Excel 1 **5 Unit(s)**

Total Units: 20-22

### Quarter 2

- DET 102 - Forklift Certification **1 Unit(s)**
- DET 115 - Mobile Elect/Hydr Systems I **14 Unit(s)**
- HLTH 145 - Safety & Fitness (HF) **3 Unit(s)**

Total Units: 18

### Quarter 3

- BTEC 191 - Work Experience Seminar **1 Unit(s)**
- DET 120 - Internal Combustion Engines I **7 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

**OR**

- WRT 105 - Writing In The Workplace **5 Unit(s)**

Total Units: 13

### Quarter 4

- DET 205 - Electrical and Engine Sys II **14 Unit(s)**
- Quantitative Skills Distribution (M) **5 Unit(s)**

Total Units: 19

### Quarter 5

- DET 215 - Transmissions II & Chassis Sys **14 Unit(s)**

Total Units: 14

### Quarter 6

- DET 240 - Mobile HVAC & Shop Application **14 Unit(s)**

**OR**

- DET 245 - Mobile HVAC & Co-Op Work Exp **14 Unit(s)**

Total Units: 14

# Early Childhood Education, AAS

**Emphasis:** Early Childhood Education

**Degree:** Associate in Applied Science

**Total Units:** 91-96

**Class Type:** Lecture, Lab, Hybrid, Online

**Purpose:** The Early Childhood Education - Associate in Applied Science degree program provides students with the critical Early Childhood and Child Development content necessary to compete for employment in early childhood education or in a school system as a teacher's aide. The Children's Lab School provides a lab environment for observation and practice. Students may enter the program during any quarter and participate part-time or full-time. Completion of the AAS program prepares graduates to compete for employment in childcare centers, family day care homes, cooperative and private preschools, ECEAP, or Head Start. The curriculum provides instruction for parents, foster parents, day care parents, and persons working with children.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Demonstrate an understanding of how children differ in their development and approaches to learning and to use this knowledge to provide opportunities that support the physical, social, emotional, and cognitive development of all young children from birth through age eight.
- Demonstrate the ability to use theory, research and foundations of education when planning and implementing Early Child Education programs.
- Plan and implement developmentally appropriate curriculum and teaching practices based on knowledge of individual children, the community and the curriculum goals and content.
- Use individual and group guidance and problem-solving techniques to develop positive and supportive relationships with children and develop personal self-control, self-motivation, and positive self-esteem.
- Establish and maintain positive, collaborative relationships with families.
- Articulate a philosophy and rationale for decisions while continually assessing and evaluating the effects of their choices and actions on others.
- Serve as an advocate on behalf of young children and their families, programs for young children and the working environment for early childhood educators.
- Demonstrate an understanding of the early childhood profession and a commitment to professionalism.
- Demonstrate competence in managing human, fiscal, and spatial resources while meeting the health and safety needs of children and adults.
- Model global awareness and respect for the cultural diversity of children.
- Examine, discuss, evaluate, and critique various issues and trends in Early Childhood Education.
- Identify and explain the major historic events and theoretical perspectives of Early Childhood Education.

## Suggested Quarter Sequence

### Quarter 1

- ECED& 105 - Introduction Early Child Education (SS) **5 Unit(s)**
- EDUC& 130 - Guiding Behavior **3 Unit(s)**
- EDUC& 150 - Child, Family, Community **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

### OR

- WRT 105 - Writing In The Workplace **5 Unit(s)**

Total Units: 16

### Quarter 2

- ECED& 120 - Practicum-Nurturing Relationships **2 Unit(s)**
- ECED& 190 - Observation & Assessment **3 Unit(s)**
- EDUC& 115 - Child Development (SS) **5 Unit(s)**
- H R 110 - Human Relation-Workplace **5 Unit(s)**

Total Units: 15

**Quarter 3**

- ECED& 107 - Health/Safety/Nutrition **5 Unit(s)**
- ECED& 160 - Curriculum Development **5 Unit(s)**
- BTEC 120 - Applied Business Math **5 Unit(s)**

**OR**

- Quantitative Skills Distribution (M) **5 Unit(s)**

Total Units: 15

**Quarter 4**

- ECED& 132 - Infant/Toddler Care **3 Unit(s)**
- Education Elective **3-8 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 16-21

**Quarter 5**

- ECED& 170 - Environments-Young Child **3 Unit(s)**
- EDUC& 204 - Exceptional Child **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: 16

**Quarter 6**

- ECED& 180 - Language/Literacy Development **3 Unit(s)**
- ECED 233 - ECE Practicum 2 **5 Unit(s)**
- Natural Science Distribution w/ Lab (NS) **5 Unit(s)**

Total Units: 13

# Electronics, Robotics & Automation, AAS

**Emphasis:** Electronics, Robotics & Automation

**Degree:** Associate in Applied Science

**Total Units:** 96-98

**Class Type:** Lecture, Lab, Hybrid

**Purpose:** The goal of this program is to provide a graduate with the skills needed to find a job at a company that uses high-end automation equipment. This equipment ranges from devices controlled by programmable logic controllers (industrial computers) to robotic devices. A successful student will have learned core electronics skills, characteristics, and operation of various types of electric motors, pneumatics and embedded controllers.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Safely operate equipment and evaluate situations for safety issues
- Work as members of a team in an office or industrial setting
- Determine quantitative solutions to AC/DC electronic circuits
- Apply common theorems and instrumentation to safely troubleshoot complex circuits
- Design, implement and maintain automated systems using Programmable Logic Controllers and industrial sensors
- Integrate modern microcontrollers into robotic systems to retrieve data and produce specified results
- Obtain, process and articulate visualizations of sets of data from industrial equipment, and use that data to propose logical system improvements
- • Think independently to obtain solutions, and to recognize the need to pursue results which exceed the minimum standards whenever possible.

## Suggested Quarter Sequence

### Quarter 1

- BTEC 214 - Excel 1 **5 Unit(s)**

### OR

- I T 117 - Introduction to Windows OS **3 Unit(s)**
- TRDS 101 - College & Career Success: TRDS **3 Unit(s)**

Total Units: 16-18

### Quarter 2

- DET 102 - Forklift Certification **1 Unit(s)**
- TRDS 150 - Print Reading **2 Unit(s)**
- TRDS 160 - CAD for Industry **2 Unit(s)**

Total Units: 15

### Quarter 3

- BTEC 191 - Work Experience Seminar **1 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

### OR

- WRT 105 - Writing In The Workplace **5 Unit(s)**
- ERA 119 - Introduction to Industrial Systems **3 Unit(s)**
- HLTH 145 - Safety & Fitness (HF) **3 Unit(s)**
- Quantitative Skills Distribution (M) **5 Unit(s)**

Total Units: 17

### Quarter 4

- ERA 117 - Adv AC/DC Electronics **4 Unit(s)**
- ERA 170 - Solid State Devices **4 Unit(s)**
- ERA 212 - Digital Electronics **4 Unit(s)**

Total Units: 17

### Quarter 5

- ERA 230 – Robotic Controllers **4 Unit(s)**
- ERA 240 - Amplifiers **5 Unit(s)**
- MEC 260 – Allen Bradley Plcs **5 Unit(s)**

Total Units: 14

### Quarter 6

- ERA 235 - Communication Systems **3 Unit(s)**
- ERA 276 - ERA Capstone **4 Unit(s)**

Total Units: 17

# Medical Assistant, AAS

**Emphasis:** Medical Assistant

**Degree:** Associate in Applied Science

**Total Units:** 91-98

**Class Type:** Lecture, Lab, Hybrid

**Purpose:** Medical Assistants are multi-skilled practitioners who perform in a wide range of skills in physicians' offices and other health care settings. Program graduates assist physicians and other health care practitioners on many aspects of medical practice, including patient care management, administrative, and clinical procedures. Clinical procedures include assisting with physical examinations, phlebotomy (blood draw), administering injections, performing electrocardiograms (EKGs) and instrument sterilization.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Perform administrative tasks using computer software to research and organize data for medical information systems.
- Demonstrate efficiency in maintaining accurate and well-organized patient medical records.
- Effectively use oral and written communication skills as they relate to a medical office environment.
- Perform within legal & ethical boundaries, including issues of patient confidentiality.
- Recognize the impact of cultural differences in care of patients.
- Use problem-solving/critical thinking to identify proper clinical procedures/processes, including infection control guidelines (Standard Precautions) as determined by the Center for Disease Control and the Occupational Safety & Health Administration.
- Prepare and maintain examination and treatment areas.
- Demonstrate the ability to prepare a patient for and assist with routine and specialty examinations and procedures, including obtaining/documenting vital signs and body measurements.
- Demonstrate knowledge of basic pharmacology and medication administration.
- Demonstrate knowledge of laboratory procedures performed in the medical office laboratory, including venipuncture and capillary puncture.
- Recognize and be able to respond to medical office emergencies within the scope of training.
- Demonstrate ability to maintain medical office equipment and supplies.
- Demonstrate ability to administer medications through way of intramuscular, subcutaneous, and intradermal.
- Understand and demonstrate the proper way to calculate doses of medication.

## Suggested Quarter Sequence

### Quarter 1

- ENGL& 101 - English Composition I (C) **5 Unit(s)**

#### OR

- WRT 105 - Writing In The Workplace **5 Unit(s)**
- HLSV 131 - Nursing Assistant - Certified **12 Unit(s)**

#### OR

- M A 140 - Intro to Medical Assistant **5 Unit(s)**
- M A 139 - MA Medical Terminology **5 Unit(s)**

Total Units: 15-22

### Quarter 2

- BIOL& 170 - Human Biology (NS) **5 Unit(s)**
- BTEC 101 - Beginning Keyboarding **3 Unit(s)**

#### OR

- BTEC 102 - Intermediate Keyboarding **3 Unit(s)**
- M A 130 - Medical Math **5 Unit(s)**

#### OR

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- COLL 100 - College & Career Success **3 Unit(s)**

Total Units: 16

### Quarter 3

- BTEC 266 - Medical Law and Ethics **3 Unit(s)**

- H R 110 - Human Relation-Workplace **5 Unit(s)**
- PSYC& 100 - General Psychology (SS) **5 Unit(s)**

#### OR

- PSYC& 200 - Lifespan Psychology (SS) **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 16

### Quarter 4

- M A 208 - MA Electrocardiography **2 Unit(s)**
- M A 241 - M A Clinical Procedures **7 Unit(s)**
- M A 249 - MA Admin Procedures **8 Unit(s)**

Total Units: 17

### Quarter 5

- M A 242 - Medical Administration **7 Unit(s)**
- M A 246 - MA Laboratory Procedures **10 Unit(s)**

Total Units: 17

### Quarter 6

- M A 243 - MA Clinical Procedure II **6 Unit(s)**
- M A 244 - MA Externship Seminar **1 Unit(s)**
- M A 245 - MA Clinical Externship **6 Unit(s)**

Total Units: 13

# Office Administration, AAS

**Emphasis:** Office Administration

**Degree:** Associate in Applied Science

**Total Units:** 90

**Class Type:** Lecture, Lab, Hybrid, Online

**Purpose:** The Associate in Applied Science Administrative Assistant degree prepares students with a broad business background, as well as provide specialized training in office skills. While students are accepted into the program each quarter, those who start in September find it easier to schedule their courses in the suggested sequences. Prerequisites may include demonstrated proficiency in English, math, and basic keyboarding skills. Upon completion, students will be prepared to compete for entry-level employment as office assistants, receptionists, and transcriptionists in general offices, legal offices, or medical offices.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Demonstrate the ability to keyboard with speed and accuracy
- File correctly using alphabetic, numeric, geographic, and subject filing systems
- Apply rules of grammar, punctuation, and spelling in written and oral communications
- Prepare documents using advanced features in word processing software
- Format basic business letters, memos, reports, tables, and newsletters to office standards
- Solve basic business math problems
- Operate a 10-key electronic calculator by touch
- Analyze and calculate data using spreadsheet software
- Demonstrate the ability to relate effectively with others in the classroom
- Demonstrate human relations skills and professional behavior necessary for successful job performance
- Analyze and organize business transactions applying bookkeeping theory and systems
- Demonstrate the ability to apply acquired skills in the workplace
- Compose business letters, memos, resumes, and letters of application
- Enter and organize data using database software
- Enter accounting transactions and generate reports using QuickBooks
- Analyze data and report information using database software
- Possess a basic understanding of receiving office visitors, using the telephone, scheduling appointments, customer service, and confidentiality skills in an office
- Develop effective presentations using presentation software
- Develop effective communication skills using electronic software

## Suggested Quarter Sequence

### Quarter 1

- BTEC 102 - Intermediate Keyboarding **3 Unit(s)**
- BTEC 233 - Records Management **5 Unit(s)**
- BUS 100 - College & Career Success: BUS **3 Unit(s)**
- I T 117 - Introduction to Windows OS **3 Unit(s)**

Total Units: 14

### Quarter 2

- BTEC 205 - Outlook **1 Unit(s)**
- BTEC 210 - Word 1 **5 Unit(s)**
- HLTH 145 - Safety & Fitness (HF) **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

**OR**

- WRT 105 - Writing In The Workplace **5 Unit(s)**

Total Units: 14

### Quarter 3

- BTEC 120 - Applied Business Math **5 Unit(s)**

**OR**

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

- BTEC 220 - Ten-Key Mastery **1 Unit(s)**

- BUS& 101 - Introduction to Business (AE) **5 Unit(s)**

- H R 110 - Human Relation-Workplace **5 Unit(s)**

Total Units: 16

**Quarter 4**

- ACCT& 201 - Principles of Accounting I (AE) **5 Unit(s)**
- BTEC 214 - Excel 1 **5 Unit(s)**
- BUS 203 - Human Resource Management **5 Unit(s)**

Total Units: 13

**Quarter 5**

- BTEC 222 - Presentation Design and Tools **2 Unit(s)**
- BUS& 201 - Business Law (AE) **5 Unit(s)**

- BUS 275 - Principles of Management **5 Unit(s)**
- CMST& 220 - Public Speaking (H) **5 Unit(s)**

Total Units: 16

**Quarter 6**

- ACCT 220 - QuickBooks **4 Unit(s)**
- BTEC 190 - Cooperative Work Experience **1 to 12 Unit(s)**
- BTEC 191 - Work Experience Seminar **1 Unit(s)**
- BTEC 224 - General Office Procedures **5 Unit(s)**

Total Units: 15

# Office Manager, AAS

**Emphasis:** Office Manager

**Degree:** Associate in Applied Science

**Total Units:** 97

**Class Type:** Lecture, Lab, Hybrid, Online

**Purpose:** The Associate in Applied Science - Office Manager degree prepares students for entry-level management positions in office settings. The coursework prepares students to hire and supervise clerical and administrative staff, develop and monitor department deadlines, effectively use office technology, possess professional verbal and written communication skills, and professionalism needed to support the business.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Prepare statements to monitor, evaluate, and assess financial performance of a business
- Demonstrate human relations skills and professional behavior necessary for successful job performance
- Explain the importance and challenges of diversity, employee motivation, and employee engagement in the workplace
- Summarize basic laws in regards to business ownership, recruitment and hiring practices, OSHA, and liability.
- Describe the activities involved in each function of management and at various levels of management in the workplace
- Demonstrate the ability to keyboard with speed and accuracy
- File correctly using alphabetic, numeric, geographic, and subject filing systems
- Apply rules of grammar, punctuation, and spelling in written and oral communications
- Prepare documents using advanced features in word processing software
- Format basic business letters, memos, reports, table, and newsletters to office standards
- Analyze and calculate data using spreadsheet software.
- Demonstrate the ability to demonstrate effectively with others in the classroom
- Demonstrate the ability to apply acquired skills in the workplace
- Compose business letters, memos, resumes, and letters of application,
- Enter and organize data using database software
- Possess a basic understanding of receiving office visitors, using the telephone, scheduling appointments, customer service, and confidentiality skills in an office.
- Develop effective presentations using presentation software

## Suggested Quarter Sequence

### Quarter 1

- BTEC 102 - Intermediate Keyboarding **3 Unit(s)**
- BTEC 233 - Records Management **5 Unit(s)**
- BUS& 101 - Introduction to Business (AE) **5 Unit(s)**
- COLL 100 - College & Career Success **3 Unit(s)**

Total Units: 16

### Quarter 2

- BUS 275 - Principles of Management **5 Unit(s)**
- BTEC 221 - Business Communications **5 Unit(s)**

### OR

- ENGL& 101 - English Composition I (C) **5 Unit(s) \***
- BTEC 210 - Word 1 **5 Unit(s)**

Total Units: 15

### Quarter 3

- BTEC 120 - Applied Business Math **5 Unit(s)**

### OR

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- BTEC 220 - Ten-Key Mastery **1 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 14

### Quarter 4

- ACCT& 201 - Principles of Accounting I (AE) **5 Unit(s)**
- BTEC 191 - Work Experience Seminar **1 Unit(s)**
- BTEC 214 - Excel 1 **5 Unit(s)**
- BUS 203 - Human Resource Management **5 Unit(s)**

Total Units: 16

### Quarter 5

- BTEC 205 - Outlook **1 Unit(s)**
- BTEC 222 - Presentation Design and Tools **2 Unit(s)**
- BUS& 201 - Business Law (AE) **5 Unit(s)**
- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- H R 110 - Human Relation-Workplace **5 Unit(s)**

Total Units: 17

### Quarter 6

- ACCT 220 - QuickBooks **4 Unit(s)**
- BTEC 190 - Cooperative Work Experience **1 to 12 Unit(s)**
- BTEC 224 - General Office Procedures **5 Unit(s)**

Total Units: 19

# Substance Use Disorder Professional, AAS

**Degree:** Associate in Applied Science

**Total Units:** 93

**Class Type:** Lecture, Lab, Hybrid, Online

**Purpose:** The Associate in Applied Science in Substance Use Disorder is for students interested in focusing their studies on Substance Abuse Disorder Counseling. This program prepares the student for work as a Substance Use Disorder Counselor in various settings from withdrawal management facilities to inpatient treatment programs. Students entering the program will fulfill the education requirement for Substance Use Disorder Professional Trainee (SUDPT) certification through the Department of Health (DOH). Students take classes that directly fulfill Washington Administrative Code (WAC) requirements toward acquiring the Substance Use Disorder Professional (SUDP) certification.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Demonstrate an understanding of developmental psychology and psychopathology.
- Evaluate, assess, and treat addiction, substance abuse and chemical dependency in adolescents and adults.
- Recognize the pharmacological actions of alcohol and other drugs.
- Apply chemical dependency rules and regulations as well as professional and ethical responsibilities to patient care.
- Coordinate the use of services, referrals, and community resources.
- Recognize cultural diversity, including people with disabilities, and its implications for treatment.
- Plan and implement appropriate addiction placement, continuing care, and discharge criteria.
- Plan and provide effective counseling for chemical dependency, relapse prevention and continuing care for addicted individuals, their families or significant others in individual or group sessions.
- Demonstrate skills necessary to perform clinical evaluations, HIV/AIDS risk interventions and case management functions.

## Suggested Quarter Sequence

### Quarter 1

- COLL 100 - College & Career Success **3 Unit(s)**
- SUDP 100 - Introduction to SUDP (AE) **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

### OR

- WRT 105 - Writing In The Workplace **5 Unit(s)**
- PSYC& 100 - General Psychology (SS) **5 Unit(s)**

Total Units: 18

### Quarter 2

- SUDP 110 - Counseling Techniques **4 Unit(s)**
- SUDP 120 - Substance Use & Family **4 Unit(s)**
- PSYC& 200 - Lifespan Psychology (SS) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: 18

### Quarter 3

- SUDP 130 - Drug & Alcohol Responses **5 Unit(s)**
- PSYC& 220 - Abnormal Psychology (AE) **5 Unit(s)**
- BTEC 120 - Applied Business Math **5 Unit(s)**

### OR

- Quantitative Skills Distribution (M) **5 Unit(s)**
- Total Units: 15

### Quarter 4

- SUDP 200 - Law & Ethics **4 Unit(s)**
- SUDP 210 - Cultural Diversity **3 Unit(s)**
- SUDP 220 - Counseling Adolescents **5 Unit(s)**
- CMST& 220 - Public Speaking (H) **5 Unit(s)**

Total Units: 17

### Quarter 5

- SUDP 230 - Assess & Treatment Plans **5 Unit(s)**
- SUDP 240 - Group Counseling **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 13

### Quarter 6

- SOC& 101 - Intro to Sociology (D)(SS) **5 Unit(s)**
- SUDP 250 - Relapse Prevention **2 Unit(s)**
- SUDP 260 - Supervised Practicum **5 Unit(s)**

Total Units: 12

# Welding Technology, AAS

**Emphasis:** Welding Technology Degree: Associate in Applied Science

**Total Units:** 93-107

**Class Type:** Lecture, Lab, Hybrid

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Follow industry safety practices and recognize the effects of welding on health.
- Set-up and adjust SMAW, GMAW, FCAW, GTAW, and oxy-fuel equipment and accessories.
- Apply principles and welding design practices to welding fabrication and inspection.
- Identify and make repairs to finished welds.
- Interpret information on welding blueprints.
- Apply the principles of Metallurgy to welding fabrication and inspection.
- Develop basic computer aided drafting skills
- Perform 3-G and 4-G AWS - WABO welding code qualification tests.

## Suggested Quarter Sequence

### Quarter 1

- COLL 100 - College & Career Success **3 Unit(s)**
- WELD 130 - SMAW I **12 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

### OR

- WRT 105 - Writing In The Workplace **5 Unit(s)**

Total Units: 20

### Quarter 2

- WELD 131 - FCAW/GMAW I **12 Unit(s)**
- TRDS 160 - CAD for Industry **2 Unit(s)**
- TMATH 116 - Industrial Math **5 Unit(s)**

Total Units: 19

### Quarter 3

- DET 166 - Shop Skills for Welders **3 Unit(s)**
- WELD 132 - GTAW I **12 Unit(s)**

Total Units: 15

### Quarter 4

- TRDS 150 - Print Reading **2 Unit(s)**
- WELD 230 - SMAW II **12 Unit(s)**

Total Units: 14

### Quarter 5

- WELD 231 - FCAW/GMAW II **12 Unit(s)**

Total Units: 12

### Quarter 6

- WELD 232 - GTAW II **12 Unit(s)**
- BTEC 191 - Work Experience Seminar **1 Unit(s)**

### OR

- WELD 285 - Arc Welding Certification **1 to 15 Unit(s)**

Total Units: 13

# Applied Management, BAS-AM

Admission into the BAS-AM program upper division coursework is competitive and merit-based. Meeting the minimum entrance requirements does not guarantee admission as the number of qualified applicants may exceed the number of available enrollment spaces. For more information contact the CTE Office at [bachelors@centralia.edu](mailto:bachelors@centralia.edu)

## General Education Requirements

### Communications (C) 10 units

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- Communication Distribution Course **5 Unit(s)**

### Quantitative Skills (M) 10 units

- MATH 350 - Managerial Statistics (M) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

**OR**

- MATH 147 - Finite Math for Business (M) **5 Unit(s)**

**OR**

- MATH& 148 - Business Calculus (M) **5 Unit(s)**

**OR**

- MATH& 151 - Calculus I (M) **5 Unit(s)**

### Humanities (H) 10 units

- CMST 330 - Professional & Organizational Communication (H) **5 Unit(s)**
- HUM 315 - Ethics (H) **5 Unit(s)**

### Social Science (SS) 15 units

- ECON& 201 - Microeconomics (SS) **5 Unit(s)**
- Additional ECON Course (SS) **5 Unit(s)**
- PSYC 320 - Leadership & Organizational Behavior (SS) **5 Unit(s)**

### Natural Science (NS) 10 units w/ 1 Lab

- Natural Science w/Lab (NS) **5 Unit(s)**
- ENVS 440 - Environmental Issues (NS) **5 Unit(s)**

### Note:

The student must achieve a grade of 2.0 or better in each of the upper division courses that comprise the BAS program. No unit is given for any grade lower than 2.0, and if the course is a prerequisite for another BAS course, that prerequisite is not met. A student who earns a grade lower than 2.0 in a BAS course may repeat that course only once. A student who earns grades lower than 2.0 in two or more courses is subject to removal from the program. The Dean of the BAS Program in consultation with the VP Instruction will determine the feasibility of a student repeating more than one BAS course due to a grade less than 2.0.

# Applied Management (BAS-AM)

**Emphasis:** Applied Management

**Degree:** Bachelor of Applied Science

**Total Units:** 180

**Class Type:** Lecture, Hybrid, Online

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

A. Evaluate business performance using financial, operational, and market data to design strategies to address market changes, shortfalls in performance, or growth opportunities.

B. Appraise the effectiveness of various management, leadership, and interpersonal approaches used to foster inclusivity and address complex challenges within diverse workplace scenarios.

C. Critique the effectiveness of various communication strategies and technological tools used in professional contexts to enhance collaboration and decision-making.

D. Defend the ethical and legal compliance of specific business decisions based on relevant laws, regulations, and ethical frameworks.

E. Judge the reliability of economic forecasts and market analyses used to guide business decisions and organizational growth strategies.

F. Assess the effectiveness of integrated modern tools, analytics, and innovative practices in achieving organizational efficiency and adaptability goals.

## Suggested Quarter Sequence

### Quarter 1

- CMST 330 - Professional & Organizational Communication (H) **5 Unit(s)**
- PSYC 320 - Leadership & Organizational Behavior (SS) **5 Unit(s)**
- MGMT 340 - Applied Financial Management **5 Unit(s)**

Total Units: 15

### Quarter 2

- MATH 350 - Managerial Statistics (M) **5 Unit(s)**
- HUM 315 - Ethics (H) **5 Unit(s)**
- ACCT 310 - Accounting Principles for Mgrs **5 Unit(s)**

### OR

- Accounting Elective **5 Unit(s)**

Total Units: 15

### Quarter 3

- MGMT 420 - Management of Human Resources **5 Unit(s)**
- ENVS 440 - Environmental Issues (NS) **5 Unit(s)**
- MGMT 380 - Marketing for Managers **5 Unit(s)**

### OR

- Accounting Elective **5 Unit(s)**

Total Units: 15

### Quarter 4

- ECON **5 Unit(s)**
- MGMT 370 - Practicum in Management **5 Unit(s)**
- Management or Accounting Elective **5 Unit(s)**

Total Units: 15

### Quarter 5

- MGMT 325 - Legal Issues **5 Unit(s)**
- MGMT 360 - Business Principles, Planning & Strategy **5 Unit(s)**
- Management or Accounting Elective **5 Unit(s)**

Total Units: 15

### Quarter 6

- MGMT 460 - Internship Seminar **2 Unit(s)**
- MGMT 470 - Management Internship **3 Unit(s)**
- MGMT 490 - Strategic Management **5 Unit(s)**
- Management or Accounting Elective **5 Unit(s)**

Total Units: 15

### Accounting Electives

- ACCT 301 - Intermediate Accounting I **5 Unit(s)**
- ACCT 302 - Intermediate Accounting II **5 Unit(s)**
- ACCT 401 - Governmental Accounting **5 Unit(s)**
- ACCT 403 - Federal Tax Compliance and Planning **5 Unit(s)**
- ACCT 404 - Data Analytics for Accounting **5 Unit(s)**

# Behavioral Healthcare, BAS-BH

Admission into the BAS-BH program upper division coursework is competitive and merit-based. Meeting the minimum entrance requirements does not guarantee admission as the number of qualified applicants may exceed the number of available enrollment spaces. For more information contact the CTE Office at [bachelors@centralia.edu](mailto:bachelors@centralia.edu)

## General Education Requirements

### Communications (C) 10 units

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**

### Humanities (H) 5 units

- CMST& 220 - Public Speaking (H) **5 Unit(s)**

### Social Science (SS) 20 units

- PSYC& 100 - General Psychology (SS) **5 Unit(s)**
- PSYC& 200 - Lifespan Psychology (SS) **5 Unit(s)**
- SOC& 101 - Intro to Sociology (D)(SS) **5 Unit(s)**
- PSYC 409 - Positive Psyc, Health & Aging **5 Unit(s)**

### Quantitative Skills (M) 5 units

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

### Natural Science (NS) 5 units w/ 1 lab

- BIOL& 175 - Human Biology w/Lab (NS) **5 Unit(s)**

### OR

- BIOL& 170 - Human Biology (NS) **5 Unit(s)**

### Distribution Electives (C) (H) (SS) (M) (NS) 5 units

- 5 units of distribution coursework (If student took BIOL& 170 distribution course must be a natural science with lab)

### Note:

Students must achieve a grade of 2.0 or better in each of the upper division courses that comprise the BAS program. No unit is given for any grade lower than 2.0, and if the course is a prerequisite for another BAS course, that prerequisite is not met. A student who earns a grade lower than 2.0 in a BAS course may repeat the course only once. A student who earns grades lower than 2.0 in two or more courses is subject to removal from the program. The Dean of the BAS Program in consultation with the VP Instruction will determine the feasibility of a student repeating more than one BAS course due to a grade less than 2.0.

# Behavioral Healthcare (BAS-BH)

**Emphasis:** Behavioral Healthcare

**Degree:** Bachelor of Applied Science

**Total Units:** 180

**Class Type:** Lecture, Lab, Hybrid

**Purpose:** This program is designed to graduate individuals who are well-grounded in the knowledge, skills and abilities to work effectively with a diverse client base in a variety of human service careers.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Analyze behavioral health concepts such as current trends, theories, approaches, and best practices
- Recognize institutional and social barriers that impede access, equity, and success for individuals and families within behavioral health systems.
- Effectively analyze, evaluate, and conduct behavioral health research
- Identify the structures, functions, and organizations which comprise the local health care system, with a particular focus on behavioral healthcare organizations
- Demonstrate the ability to adhere to professional, ethical standards, including confidentiality and sensitivity when working with diverse populations within the behavioral health field
- Demonstrate clear, concise, and effective written, electronic, and verbal communication skills with clients, families, and interdisciplinary team members to enhance person-centered care and health outcomes
- Complete both brief screenings and biopsychosocial assessments to include co-occurring disorders and develop and monitor client-centered treatment plans in the context of family community, and cultural identities.

## Suggested Quarter Sequence

### Quarter 1

- ENGL& 102 - Composition II (C) **5 Unit(s)**

#### OR

- Other Degree Required Course **5 Unit(s)**
- BASBH 300 - Intro to Behavioral Healthcare **5 Unit(s)**
- BASBH 320 - Social & Cultural Diversity BH **5 Unit(s)**
- BASBH 455 - Behavioral Healthcare in Primary Care **5 Unit(s)**

Total Units: 20

### Quarter 2

- BASBH 330 - Ethics in Behavioral Healthcare **5 Unit(s)**
- PSYC 209 - Research Methods (AE) **5 Unit(s)**
- SUDP 110 - Counseling Techniques **4 Unit(s)**

#### OR

- Other Degree Required Course **4-5 Unit(s)**

Total Units: 14-15

### Quarter 3

- BASBH 350 - Neurobiology **5 Unit(s)**
- BASBH 400 - Case Management **5 Unit(s)**
- SUDP 240 - Group Counseling **5 Unit(s)**

#### OR

- Other Degree Required Course **5 Unit(s)**

Total Units: 15

### Quarter 4

- BASBH 340 - Professional Development **5 Unit(s)**
- BASBH 420 - Treatment of Mental Health Disorders **5 Unit(s)**
- BASBH 450 - Advanced Counseling Techniques **5 Unit(s)**

Total Units: 15

### Quarter 5

- BASBH 430 - Trauma-Informed Care **5 Unit(s)**
- BASBH 440 - Family Counseling **5 Unit(s)**
- BASBH 470 - Practicum I **5 Unit(s)**

Total Units: 15

### Quarter 6

- BASBH 325 - Sociology of Health & Healthcare **5 Unit(s)**
- BASBH 475 - Practicum II **5 Unit(s)**
- PSYC 409 - Positive Psyc, Health & Aging **5 Unit(s)**

Total Units: 15

# Diesel Technology, BAS-DT

Admission into the BAS-DT program upper division coursework is competitive and merit-based. Meeting the minimum entrance requirements does not guarantee admission as the number of qualified applicants may exceed the number of available enrollment spaces. For more information contact the CTE Office at [bachelors@centralia.edu](mailto:bachelors@centralia.edu)

## General Education Requirements

### Communications (C) 10 units

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- Communications Distribution Course (C) **5 Unit(s)**

### Quantitative Skills (M) 5 units

- College Level Math (M) **5 Unit(s)**

### Humanities (H) 10 units

- CMST 330 - Professional & Organizational Communication (H) **5 Unit(s)**
- HUM 315 - Ethics (H) **5 Unit(s)**

### Social Science (SS) 5 units

- Social Science Distribution Course (SS) **5 Unit(s)**

### Natural Science (NS) 10 units

- Natural Science w/Lab (NS) 5 unit(s)
- Natural Science with or without Lab (NS) 5 unit(s)

### Distribution Electives (C) (H) (SS) (M) (NS) 10 units

Choose 10 units

- Communication (C) **5 unit(s)**
- Humanities (H) **5 unit(s)**
- Social Science (SS) **5 unit(s)**
- Natural Science (NS) **5 unit(s)**
- Quantitative Skills (M) **5 unit(s)**

### Note:

The student must achieve a grade of 2.0 or better in each of the upper division courses that comprise the BAS program. No unit is given for any grade lower than a 2.0, and if the course is a prerequisite for another BAS course, that prerequisite is not met. A student who earns a grade lower than 2.0 in a BAS course may repeat that course only once. A student who earns a grade lower than 2.0 in two or more courses is subject to removal from the program. The Dean of the BAS Program in consultation with the VP Instruction will determine the feasibility of a student repeating more than one BAS course due to a grade of less than 2.0

# Diesel Technology (BAS-DT)

**Emphasis:** Diesel Technology

**Degree:** Bachelor of Applied Science

**Total Units:** 180

**Class Type:** Lecture, Lab, Hybrid

## Program Outcomes:

### Technical

- Analysis and evaluation of data - Analyze and evaluate data collected from component failures, hydraulic systems, and complex electrical circuits.
- Professional interactions - Interact appropriately and professionally with customers and employees.
- Complex system operations - Explain the operation of complex systems including computerized engine and transmission controls used for fuel efficiency and emissions control; regenerative hybrid technologies used to capture energy; multi-fuel technologies to save fuel costs.
- Theory application - Apply theories and skills taught in the classroom in a shop environment.
- Shop procedures - Create shop procedures that reflect industry standards and maintain compliance with regulations set by governing agencies.
- Fluids analysis - Apply the principles of tribology in the analysis of engine efficiency, life, and maintenance costs.
- Analysis of failure modes - Analyze test results from oil, coolant, fuel, or emissions analysis systems.

### Managerial

- Policies and Practices - Implement the practices, policies, and leadership to efficiently operate a fleet or repair facility.
- HR management and ethical principles - Apply fundamental principles of human resource management and ethics.
- Communications - Employ effective oral, written, and analytical communication appropriate to organizational settings including personnel situations and in large group discussions.
- Leadership styles - Distinguish between management and leadership, and differentiate among the varieties of styles and roles of management and be able to identify the most appropriate in a given situation.
- Use of teams - Create, manage, and participate effectively in teams.

## Suggested Quarter Sequence

### Fall Quarter

- DET 102 - Forklift Certification **1 Unit(s)**
- DET 300 - Applied Management **5 Unit(s)**
- DET 320 - Emissions Control **5 Unit(s)**
- Elective **5 Unit(s)**

Total Units: 16

### Winter Quarter

- DET 325 - Material Science of Fluids **5 Unit(s)**
- DET 335 - Regulatory Issues **5 Unit(s)**
- Elective **5 Unit(s)**

Total Units: 15

### Spring Quarter

- DET 345 - Metalwork & Fabrication **5 Unit(s)**
- DET 355 - Hybrid Drives Electric/Hydraulic **5 Unit(s)**
- DET 365 - Diesel Internship **5 Unit(s)**
- Elective **5 Unit(s)**

Total Units: 20

### Fall Quarter

- CMST 330 - Professional & Organizational Communication (H) **5 Unit(s)**
- DET 430 - Shop/Fleet Management **5 Unit(s)**
- DET 455 - Applied Failure Analysis **5 Unit(s)**

Total Units: 15

### Winter Quarter

- DET 435 - Hydraulics II **5 Unit(s)**
- DET 445 - Combustion Engine Fuels **5 Unit(s)**
- Elective **5 Unit(s)**

Total Units: 15

### Spring Quarter

- DET 415 - Electrical III **5 Unit(s)**
- DET 465 - Power Generation Systems **5 Unit(s)**
- HUM 315 - Ethics (H) **5 Unit(s)**

Total Units: 15

# Teacher Education, BAS-TE

Admission into the BAS-TE program upper division coursework is competitive and merit-based. Meeting the minimum entrance requirements does not guarantee admission as the number of qualified applicants may exceed the number of available enrollment spaces. For more information contact the CTE Office at [bachelors@centralia.edu](mailto:bachelors@centralia.edu)

## General Education Requirements

### Communications (C) 10 units

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**

### Quantitative Skills (M) 10 units

- College Level Math **5 Unit(s)**
- MATH 315 - Teaching Math (M) **5 Unit(s)**

### Humanities (H) 10 units

- Humanities Distribution Course **5 Unit(s)**
- Humanities Distribution Course **5 Unit(s)**

### Social Science (SS) 15 units

- EDUC& 115 - Child Development (SS) **5 Unit(s)**

**OR**

- PSYC& 200 - Lifespan Psychology (SS) **5 Unit(s)**
- SST 365 - Social Studies for Teachers (SS) **5 Unit(s)**
- History course recommended **5 Unit(s)**

### Natural Science (NS) 10 units w/ 1 Lab

- Natural Science with lab (Life Science recommended) **5 Unit(s)**
- Natural Science with or without lab (Physical Science recommended) **5 Unit(s)**

### Note:

The student must achieve a grade of 2.0 or better in each of the upper division courses that comprise the BAS program. No unit is given for any grade lower than 2.0, and if the course is a prerequisite for another BAS course, that prerequisite is not met. A student who earns a grade lower than 2.0 in a BAS course may repeat that course only once. A student who earns grades lower than 2.0 in two or more courses is subject to removal from the program. The Dean of the BAS Program in consultation with the VP Instruction will determine the feasibility of a student repeating more than one BAS course due to a grade less than 2.0.

# Teacher Education, (BAS-TE)

**Emphasis:** Elementary Education

**Degree:** Bachelor of Applied Science

**Total Units: 180**

**Class Type:** Lecture, Lab, Hybrid

**PROGRAM OUTCOMES:** Upon successful completion, students will have demonstrated the ability to:

## General skills for all educators:

- Communicate and collaborate effectively with children, parents/guardians, peers, administrators, and the community.
- Ensure cultural competence in teaching through adapting learner-centered curricula that engage students in a variety of culturally responsive strategies.
- Foster positive, inclusive, learning settings in cognitive, behavior, language, physical and social domains to create a safe and productive learning environment.
- Utilize feedback and reflection to constantly improve teaching practices.

## Elementary Education endorsement

- Understand and apply knowledge of the arts, English Language arts, health-fitness, mathematics, science, and social studies.
- Understand and apply knowledge regarding the development and learning of children and young adolescents and how teachers can connect learning to students' communities.
- Establish classroom communities that foster student engagement, learning and positive relationships.
- Use inquiry to effectively design and execute instructional plans and strategies that support diverse student learning within and across academic content areas.
- Design and implement a wide range of assessment strategies to inform instruction and support learning within and across academic content areas.

## Special Education endorsement

- Understand the foundations of special education.
- Understand the characteristics of special education learners.
- Understand assessment, diagnosis, and evaluations and appropriately identify and use appropriate tools.
- Understand planning, content and practices associated with delivering appropriate educational opportunities.
- Understand how to manage student behavior and social interaction skills.

## Suggested Quarter Sequence

### Quarter 1

- EDUC 300 - Introduction SPED **3 to 5 Unit(s)**
- EDUC 330 - Technology and Teaching **2 Unit(s)**
- EDUC 350 - Diversity in Students **3 Unit(s)**
- EDUC 370 - Support: Child & Family **3 Unit(s) \*\***
- EDUC 420 - Curriculum & Instruction **5 Unit(s)**

Total Units: 16-18

### Quarter 2

- EDUC 315 - Teaching Science **5 Unit(s)**
- EDUC 355 - Emergent Reading **5 Unit(s)**
- EDUC 360 - Assessment and Evaluation **6 Unit(s)**

Total Units: 16

### Quarter 3

- EDUC 345 - Language Arts and Development **3**

### Unit(s)

- EDUC 365 - Intermediate Reading **3 Unit(s)**
- **OR**
- EDUC 380 - Typical & Atypical Child Development **5 Unit(s) \*\***
- EDUC 400 - Education and the Law **3 Unit(s)**
- **OR**
- EDUC 410 - Exceptional Learners **5 Unit(s) \*\***
- EDUC 421 - Classroom Management **6 Unit(s)**

### Quarter 4

- EDUC 320 - Social Emotional Teaching and Learning **5 Unit(s)**
- EDUC 484 - Pre-Residency Clinical **2 Unit(s)**
- MATH 315 - Teaching Math (M) **5 Unit(s)**

- SST 365 - Social Studies for Teachers (SS) **5 Unit(s)**

Total Units: 17

#### **Quarter 5**

- EDUC 351 - Issues of Abuse **3 Unit(s)**
- EDUC 385 - SPED Assessment **3 Unit(s) \*\***
- EDUC 497 - Student Teaching Elem 1 **10 Unit(s)**

Total Units: 16

#### **Quarter 6**

- EDUC 335 - Teaching Art & Movement **3 Unit(s)**
- EDUC 480 - SPED Seminar **1 Unit(s) \*\***
- EDUC 490 - Student Teaching SPED **10 Unit(s) \*\***

#### **OR**

- EDUC 498 - Student Teaching Elementary 2 **10 Unit(s)**
- EDUC 390 Foundations of Multilingual Education (temporary course) **2 unit(s)**

Total Units: 16

# Certificates and Programs

## Certificates Of Completion

Students may be awarded a certificate of completion by successfully completing a set group of courses from a career and technical program. These certificates are less than 45 units. The courses tend to concentrate on one set of skills.

## Certificates Of Proficiency

Students may earn a Certificate of Proficiency by completing a career and technical program which typically requires a minimum of 45 units, includes related instruction, and a grade point average (GPA) of at least 2.0 ("C"). At times, the State Board of Community Colleges (SBCTC), will approve a certificate of proficiency between 40-44 units based on strong evidence provided by the college during the program approval process. Certificates of Proficiency are awarded in these programs:

- Accounting Clerk
- Criminal Investigation
- Office Assistant
- Phlebotomy
- State Early Childhood Education Certificate
- Welding

## Transitional Studies Programs

Transitional Studies help you learn English, earn a high school diploma or GED, or prepare for college and job training. Classes are offered in the morning and evening. In-person and hybrid classes are available. The cost is \$25 per quarter and financial assistance is available. Most programs are open to students age 16 years and older. Any student younger than 19 must provide a high school release form. Contact Transitional Studies at 360-623-8957 or BEdA@centralia.edu.

## College in the High School

College in the High School is a cooperative program between local school districts and Centralia College. It allows high school students to earn Centralia College units while simultaneously earning their high school credit for approved courses. College in the High School increases the educational options for highly motivated high school students who wish to earn college credit for courses deemed equivalent in rigor and content to Centralia College courses. For more information, please call 360-623-8365 or email cihs@centralia.edu.

## English Language Acquisition (ELA)

Non-native English students learn to listen, speak, read,

and write English. Throughout their coursework, students learn basic computer skills and prepare for academic, career, and technical classes. Students will thrive in the community and at work.

## High School+ (HS+)

High School+ is a competency-based high school diploma program for adult learners aged 18 and older who do not have a high school diploma or equivalent. Please submit your high school transcript to the Transitional Studies office prior to advising. High school transcripts can be unofficial. Transcripts can be submitted directly to Transitional Studies (downstairs in the Transitional Services Building, suite 003), emailed to beda@centralia.edu, or mailed to: Transitional Studies, 600 Centralia College Blvd., Centralia, WA 98531-4099. For more information and to begin the enrollment process, please contact Transitional Studies at 360-623-8957 or email beda@centralia.edu.

## Open Doors

Open Doors is a re-engagement program for older youth, ages 16-21, who have dropped out of high school or who are not expected to graduate. Open Doors is a partnership between Centralia College and certain local school districts, providing students who have not earned a high school diploma with a variety of ways to reach their educational goals. The steps to enroll differ depending on a student's situation. For more information and to begin the enrollment process, please contact Transitional Studies at 360-623-8957 or email beda@centralia.edu.

## GED

The GED program, designed for students aged 16 and older, helps students prepare to pass all four sections of the official GED test; Mathematical Reasoning, Reasoning Through Language Arts, Social Studies, and Science. For more information and to begin the enrollment process, please contact Transitional Studies at 360-623-8957 or email beda@centralia.edu.

## Career and College Preparation

All students, including those with a high school diploma or GED, brush up on their reading, writing, and math for college level classes, to prepare for job training or for entering the job market. Students enrolled in college preparation classes can take other college classes at the same time. For more information and to begin the enrollment process, please contact Transitional Studies at 360-623-8957 or email beda@centralia.edu.

# Accounting Clerk, Certificate of Proficiency

**Emphasis:** Accounting Clerk

**Degree:** Certificate of Proficiency

**Total Units:** 52

**Class Type:** Lecture, Lab, Hybrid, Online

**Purpose:** The Accounting Clerk program prepares students for an entry level accounting position. Some advancement is possible with this background, but students may wish to acquire additional training in accounting to allow broader advancement opportunities. Prerequisite: demonstrate proficiency in math, reading, and English.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Manage accounting information and data in a variety of business settings.
- Use the computer accounting software QuickBooks.
- Prepare written and oral business communications to industry standards using word processing and spreadsheet software.

## Suggested Quarter Sequence

### Quarter 1

- ACCT& 201 - Principles of Accounting I (AE) **5 Unit(s)**
- ACCT 270 - Payroll Accounting **5 Unit(s)**
- BTEC 214 - Excel 1 **5 Unit(s)**
- BUS 100 - College & Career Success: BUS **3 Unit(s)**

Total Units: 18

### Quarter 2

- ACCT& 202 - Principles of Accounting II (AE) **5 Unit(s)**
- BTEC 210 - Word 1 **5 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

### OR

- WRT 105 - Writing In The Workplace **5 Unit(s)**

Total Units: 15

### Quarter 3

- ACCT& 203 - Principles of Accounting III (AE) **5 Unit(s)**
- ACCT 220 - QuickBooks **4 Unit(s)**
- H R 110 - Human Relation-Workplace **5 Unit(s)**
- BTEC 120 - Applied Business Math **5 Unit(s)**

### OR

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

Total Units: 19

# Commercial Driver License (CDL), Certificate of Completion

**Emphasis:** Commercial Driver License (CDL)

**Degree:** Certificate of Completion

**Total Units:** 12

**Purpose:** The commercial truck driving course provides comprehensive hands-on skill development and instruction that aligns with the Department of Transportation. The student will maneuver a commercial vehicle in different traffic conditions; operate a tractor-trailer combination; and maneuver the vehicle safely forward and backward around various obstacles.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Perform repair procedures using proper tools while abiding by safety and environmental regulations
- Maintain proper workplace documentation in a professional manner
- Conduct behavior that is consistent with the professionalism standards of the industry

## Suggested Quarter Sequence

### Quarter 1

- CDL 100 - Commercial Truck Driving **12 Unit(s)**

Total Units: 12

### Prerequisites

- 18 years of age or older
- Pass Federal Department of Transportation health and drug screening
- Valid Washington state driver license
- No DUI, hit and run, reckless, or negligent infractions within the past five years
- Have no more than three moving violations in the past 3 years

# Criminal (Crime Scene) Investigation, Certificate of Proficiency

**Emphasis:** Criminal (Crime Scene) Investigation

**Degree:** Certificate of Proficiency

**Total Units:** 50

**Class Type:** Lecture, Lab, Hybrid, Online

**Purpose:** To provide individuals with information and techniques used in forensic investigations.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Understand basic concepts of criminal and forensic investigation and the functions of a forensic specialist.
- Identify crime scene considerations of investigators for a variety of different crime scenes.
- Employ proper and appropriate evidence collection, preservation, documentation, and transport techniques of all evidence identified at the crime scene.

## Suggested Quarter Sequence

### Core Requirements

- CJ 126 - Homicide **5 Unit(s)**
- CJ 129 - Introduction to Victimology **5 Unit(s)**
- CJ 130 - Domestic Violence and Abuse **5 Unit(s)**
- CJ 223 - Criminal Investigation **5 Unit(s)**
- CJ 224 - Criminal Interviews and Interrogation **5 Unit(s)**
- CJ 228 - Crime Scene Photography **5 Unit(s)**
- CJ& 240 - Introduction to Forensic Science (AE) **5 Unit(s)**

Total Units: 35

### Related Instruction

- BTEC 120 - Applied Business Math **5 Unit(s)**
- H R 110 - Human Relation-Workplace **5 Unit(s)**
- WRT 105 - Writing In The Workplace **5 Unit(s)**

Total Units: 15

# Early Childhood Education

**Emphasis:** Early Childhood Education

**Degree:** Initial State Certificate-Early Childhood Ed

**Total Units:** 12

**Class Type:** Lecture, Lab, Hybrid, Online

**Degree:** Short State Certificate of Specialization

**Total Units:** 20

**Class Type:** Lecture, Lab, Hybrid, Online

**Purpose:** The Early Childhood Education Certificate Program prepares students to compete for entry level employment in the childcare field. This certificate also increases the knowledge and skills of people who currently work with children. The Children's Lab School provides an environment for observation and practice. Students acquire in-depth knowledge of child development from birth through age eight.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Demonstrate an understanding of how children differ in their development and approaches to learning and to use this knowledge to provide opportunities that support the physical, social, emotional, and cognitive development of all young children from birth through age eight.
- Demonstrate the ability to use theory, research and foundations of education when planning and implementing Early Child Education programs.
- Plan and implement developmentally appropriate curriculum and teaching practices based on knowledge of individual children, the community and the curriculum goals and content.
- Use individual and group guidance and problem-solving techniques to develop positive and supportive relationships with children and develop personal self-control, self-motivation, and positive self-esteem.
- Establish and maintain positive, collaborative relationships with families.
- Articulate a philosophy and rationale for decisions while continually assessing and evaluating the effects of their choices and actions on others.
- Serve as an advocate on behalf of young children and their families, programs for young children and the working environment for early childhood educators.
- Demonstrate an understanding of the early childhood profession and a commitment to professionalism.
- Demonstrate competence in managing human, fiscal, and spatial resources while meeting the health and safety needs of children and adults.
- Model global awareness and respect for the cultural diversity of children.
- Examine, discuss, evaluate, and critique various issues and trends in Early Childhood Education.
- Identify and explain the major historic events and theoretical perspectives of Early Childhood Education

## **Initial Certificate 40E**

- ECED& 105 - Introduction Early Child Education (SS) **5 Unit(s)**
- ECED& 107 - Health/Safety/Nutrition **5 Unit(s)**
- ECED& 120 - Practicum-Nurturing Relationships **2 Unit(s)**

Total Units: 12

## **PLUS**

### **Early Childhood Education (General) 41E**

- EDUC& 115 - Child Development (SS) **5 Unit(s)**
- EDUC& 130 - Guiding Behavior **3 Unit(s)**

**OR**

### **Infant and Toddler Care 42E**

- EDUC& 115 - Child Development (SS) **5 Unit(s)**
- ECED& 132 - Infant/Toddler Care **3 Unit(s)**

**OR**

## **School-Age Care 43E**

- EDUC& 115 - Child Development (SS) **5 Unit(s)**
- EDUC& 136 - School Age Care **3 Unit(s)**

**OR**

## **Family Child Care 44E**

- EDUC& 115 - Child Development (SS) **5 Unit(s)**
- ECED& 134 - Family Child Care **3 Unit(s)**

**OR**

## **Administration 45E**

- EDUC& 115 - Child Development (SS) **5 Unit(s)**
- ECED& 139 - Administration of Early Childhood Education **3 Unit(s)**

**OR**

## **Home Visitor/Family Engagement 47E**

- EDUC& 115 - Child Development (SS) **5 Unit(s)**
- ECED& 138 - Home Visiting & Family Engagement **3 Unit(s)**

# Early Childhood Education, Short State Certificate of Specialization Early Childhood Education

**Emphasis:** Early Childhood Education

**Degree:** Short State Certificate of Specialization Early Childhood Education

**Total Units:** 20

**Class Type:** Lecture, Lab, Hybrid, Online

**Purpose:** The Early Childhood Education Certificate Program prepares students to compete for entry level employment in the childcare field, as well as those who currently work with children. The Children's Lab School provides an environment for observation and practice. Students acquire in-depth knowledge of child development from birth through age eight.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Demonstrate an understanding of how children differ in their development and approaches to learning and to use this knowledge to provide opportunities that support the physical, social, emotional, and cognitive development of all young children from birth through age eight.
- Demonstrate the ability to use theory, research and foundations of education when planning and implementing Early Child Education programs.
- Plan and implement developmentally appropriate curriculum and teaching practices based on knowledge of individual children, the community and the curriculum goals and content.
- Use individual and group guidance and problem-solving techniques to develop positive and supportive relationships with children and develop personal self-control, self-motivation and positive self-esteem.
- Establish and maintain positive, collaborative relationships with families.
- Articulate a philosophy and rationale for decisions while continually assessing and evaluating the effects of their choices and actions on others.
- Serve as an advocate on behalf of young children and their families, programs for young children and the working environment for early childhood educators.
- Demonstrate an understanding of the early childhood profession and a commitment to professionalism.
- Demonstrate competence in managing human, fiscal, and spatial resources while meeting the health and safety needs of children and adults.
- Model global awareness and respect for the cultural diversity of children.
- Examine, discuss, evaluate, and critique various issues and trends in Early Childhood Education.
- Identify and explain the major historic events and theoretical perspectives of Early Childhood Education

## Suggested Quarter Sequence

### Quarter 1

- ECED& 105 - Introduction Early Child Education (SS) 5

**Unit(s)**

Total Units: 5

### Quarter 2

- ECED& 120 - Practicum-Nurturing Relationships 2

**Unit(s)**

Total Units: 2

### Quarter 3

- ECED& 132 - Infant/Toddler Care 3 **Unit(s)**

**OR**

- ECED& 134 - Family Child Care 3 **Unit(s)**

**OR**

- ECED& 137 - Outdoor Learning for Young Children 3

**Unit(s)**

**OR**

- ECED& 138 - Home Visiting & Family Engagement 3

**Unit(s)**

**OR**

- ECED& 139 - Administration of Early Childhood Education 3 **Unit(s)**

**OR**

- ECED& 160 - Curriculum Development 5 **Unit(s)**

**OR**

- ECED& 180 - Language/Literacy Development 3

**Unit(s)**

**OR**

- EDUC& 130 - Guiding Behavior 3 **Unit(s)**

**OR**

- EDUC& 136 - School Age Care 3 **Unit(s)**

Total Units: 3-5

### Quarter 4

- ECED& 107 - Health/Safety/Nutrition 5 **Unit(s)**

Total Units: 5

### Quarter 5

- EDUC& 115 - Child Development (SS) 5 **Unit(s)**

Total Units: 5

# Nursing Assistant Certified

**Emphasis:** Nursing Assistant Certified

**Degree:** Certificate of Completion

**Total Units:** 13

**Purpose:** The Nursing Assistant Certified (NAC) Certificate of Completion is designed for students who are interested in pursuing an entry-level career in healthcare. Completion of certificate components prepares students to work in the specific specialties of Mental Health, Dementia, and Nurse Delegation in addition to regular NAC roles. Upon successful completion of this certificate program, students should be prepared to take the NAC State Certification exam and receive additional industry-recognized endorsements.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Understand the Long-term Care Ethical and Legal Responsibilities and the Uniform Disciplinary Act as it pertains to the Nursing Assistant role.
- Describe the role of a Nursing Assistant.
- Exhibit communication and interpersonal skills.
- Respect resident's rights and independence.
- Pass the state Nursing Assistant certification exam.
- Pass the state Fundamentals of Caregiving exam.
- Pass the state Mental Health certification exam.
- Pass the state Nurse Delegation & Diabetes exam.
- Pass the state Mental Health exam.
- Pass the state Dementia exam.
- Pass the HIV/AIDS certification.
- Successfully complete the 45-hour clinical experience.

## Suggested Quarter Sequence

### Quarter 1

- HLSV 110 - Basic Life Support for Healthcare **1 Unit(s)**
- HLSV 131 - Nursing Assistant - Certified **12 Unit(s)**

Total Units: 13

# Office Assistant, Certificate of Proficiency

**Emphasis:** Office Assistant

**Degree:** Certificate of Proficiency

**Total Units:** 47

**Class Type:** Lecture, Lab, Hybrid, Online

## Suggested Quarter Sequence

### Quarter 1

- ACCT& 201 - Principles of Accounting I (AE) **5 Unit(s)**
- BTEC 214 - Excel 1 **5 Unit(s)**
- BUS 100 - College & Career Success: BUS **3 Unit(s)**
- I T 117 - Introduction to Windows OS **3 Unit(s)**

Total Units: 16

### Quarter 2

- BTEC 102 - Intermediate Keyboarding **3 Unit(s)**
- BTEC 205 - Outlook **1 Unit(s)**
- BTEC 210 - Word 1 **5 Unit(s)**
- BTEC 222 - Presentation Design and Tools **2 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

### OR

- WRT 105 - Writing In The Workplace **5 Unit(s)**

Total Units: 16

### Quarter 3

- BTEC 120 - Applied Business Math **5 Unit(s)**

### OR

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- BTEC 191 - Work Experience Seminar **1 Unit(s)**
- BTEC 220 - Ten-Key Mastery **1 Unit(s)**
- BTEC 224 - General Office Procedures **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: 15

# Teacher Education - Special Education, Certificate

**Emphasis:** Special Education

**Degree:** Special Education Certificate

**Total Units:** 20-23

**Class Type:** Lecture, Lab, Hybrid

**Purpose:** The Special Education Certificate is designed for currently certificated K-12 instructors seeking to add a special education endorsement to their teaching certification.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Understand the foundations of special education.
- Understand the characteristics of special education learners.
- Understand assessment, diagnosis, and evaluations and appropriately identify and use appropriate tools.
- Understand planning, content and practices associated with delivering appropriate educational opportunities.
- Understand how to manage student behavior and social interaction skills.

## Suggested Quarter Sequence

### Quarter 1

- EDUC 300 - Introduction SPED **3 to 5 Unit(s)**
- EDUC 370 - Support: Child & Family **3 Unit(s)**

Total Units: 6-8

### Quarter 2

- EDUC 385 - SPED Assessment **3 Unit(s)**

Total Units: 3

### Quarter 3

- EDUC 480 - SPED Seminar **1 Unit(s)**
- EDUC 410 - Exceptional Learners **5 Unit(s)**
- EDUC 380 - Typical & Atypical Child Development **5 Unit(s)**

Total Units: 11-12

# Welding (Evening), Certificate of Completion

**Emphasis:** Welding (Evening)

**Degree:** Certificate of Completion

**Total Units:** 20

**Class Type:** Lecture, Lab, Hybrid

**Purpose:** Students who complete the following 20 units will be awarded a certificate of completion in Welding Fundamentals (this certificate can be completed entirely in the evening). These courses will be offered in the evening every fall, winter, and spring quarters.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Follow industry safety practices and recognize the effects of welding on health.
- Set-up and adjust SMAW, GMAW, FCAW, GTAW, and oxy-fuel equipment and accessories.
- Identify and make repairs to finished welds.
- Perform 3-G and 4-G AWS- WABO welding code qualification tests.

## Suggested Quarter Sequence

### Quarter 1

- WELD 180 - Oxyfuel & GTAW **5 Unit(s)**

### Quarter 2

- WELD 181 - Shielded Metal Arc Welding **5 Unit(s)**

### Quarter 3

- WELD 182 - Gas Metal Arc Welding **5 Unit(s)**

### Quarter 4

- WELD 285 - Arc Welding Certification **1 to 15 Unit(s)**

### Note:

When students complete WELD 180, WELD 181, WELD 182, and WELD 285 for a total of 20 units, they will receive a certificate of completion.

# Welding, Certificate of Proficiency

**Emphasis:** Welding

**Degree:** Certificate of Proficiency

**Total Units:** 64

**Class Type:** Lecture, Lab, Hybrid

**Purpose:** The Welding Certificate of Proficiency program prepares students for advanced welding skills in FCAW (Flux Cored Arc), GTAW (TIG), GMAW (MIG), and SMAW (stick) welding. Students will have the opportunity to gain WABO Welding Certification.

**Program Outcomes:** Upon successful completion, students will have demonstrated the ability to:

- Follow industry safety practices and recognize the effects of welding on health.
- Set up and adjust SMAW, GMAW, FCAW, GTAW, and oxy-fuel equipment and accessories.
- Apply principles and welding design practices to welding fabrication and inspection.
- Identify and make repairs to finished welds.
- Interpret information on welding blueprints.
- Apply the principles of Metallurgy to welding fabrication and inspection.
- Develop basic computer-aided drafting skills
- Perform 3-G and 4-G AWS - WABO welding code qualification tests.

## Suggested Quarter Sequence

### Quarter 1

- BTEC 191 - Work Experience Seminar **1 Unit(s)**
- TRDS 101 - College & Career Success: TRDS **3 Unit(s)**
- WELD 161 - SMAW I **6 Unit(s)**
- WELD 165 - SMAW Theory **2 Unit(s)**
- WELD 190 - Cooperative Work Experience **1 to 12 Unit(s)**

### OR

- WELD 265 - SMAW II **6 Unit(s)**

Total Units: 18

### Quarter 2

- WELD 164 - FCAW/GMAW I **6 Unit(s)**
- WELD 175 - FCAW/GMAW Theory **2 Unit(s)**
- WELD 190 - Cooperative Work Experience **1 to 12 Unit(s)**

### OR

- WELD 267 - FCAW/GMAW II **6 Unit(s)**

Total Units: 14

### Quarter 3

- WELD 159 - GTAW I **6 Unit(s)**
- WELD 195 - GTAW Theory **2 Unit(s)**
- WELD 259 - GTAW II **6 Unit(s)**

### OR

- WELD 190 - Cooperative Work Experience **1 to 12 Unit(s)**

Total Units: 14

### Quarter 4

- ENGL& 101 - English Composition I (C) **5 Unit(s)**

### OR

- WRT 105 - Writing In The Workplace **5 Unit(s)**
- HLTH 145 - Safety & Fitness (HF) **3 Unit(s)**
- WELD 285 - Arc Welding Certification **1 to 15 Unit(s)**

### OR

- Quantitative Skills Distribution (M) **5 Unit(s)**

Total Units: 18

# Course Descriptions

## Accounting

### ACCT& 201 - Principles of Accounting I (AE)

**5 Unit(s)** Fundamental principles of double-entry accounting following Generally Accepted Accounting Principles (GAAP), including theories and procedures used to report business transactions and financial statements for sole proprietorships through the accounting cycle. Topics include: the accounting equation; debits and credits; journal entries; internal controls; bank reconciliations; accounting for receivables, inventories, and fixed assets; and financial statement preparation. **Prerequisite(s)** MATH 096 or equivalent or instructor permission **ICRC Approved Elective**

### ACCT& 202 - Principles of Accounting II (AE)

**5 Unit(s)** Accounting for partnerships and corporations. Topics include accounting for payroll, current and long-term liabilities, partnerships, corporations, and investments; preparation of the statement of cash flows; and financial statement analysis. **Prerequisite(s)** ACCT& 201 or ACCT 110 and 120 or instructor permission. **ICRC Approved Elective.**

### ACCT& 203 - Principles of Accounting III (AE)

**5 Unit(s)** Managerial accounting for manufacturing businesses. Topics include job order and process costing; cost behavior and cost-volume-profit relationships; variable and contribution margin income statements; standard costs; flexible budgets; relevant costs; and capital budgeting decisions. **Prerequisite(s)** ACCT& 201 or ACCT 110 and 120. **ICRC Approved Elective.**

### ACCT 210 - Introduction to Audit

**5 Unit(s)** An introduction to the audit environment of financial accounting and reporting following Generally Accepted Auditing Standards (GAAS). Topics include: auditing standards, planning, risk assessment, audit evidence, documentation, sampling, the auditor's report, and ethics. **Prerequisite(s)** ACCT& 201 or ACCT 110 and 120.

### ACCT 220 - QuickBooks

**4 Unit(s)** This course introduces students to QuickBooks to record accounting transactions for small business operations. The focus is on vendors, customers, inventory, payroll, and banking. Topics include establishing files; purchases, bills, and checks; sales, invoices, payments, discounts, and deposits; end-of-period accounting procedures; inventory; payroll; transferring funds; and reconciling. Students must have basic accounting knowledge.

**Prerequisite(s)** ACCT& 201 or ACCT 110 & ACCT 120

### ACCT 240 - Business Entity Tax

**5 Unit(s)** **Prerequisite(s)** ACCT& 201 or ACCT 110 & 120 and ACCT 260. Calculation of tax liability and preparation of tax forms for business entities, rental property, and other property disposition. Also includes tax research.

### ACCT 260 - Individual Income Taxes

**5 Unit(s)** Individual Income Taxation focused on preparing individual federal income tax returns in the United States using current tax law. Topics include: purpose and sources of tax law; preparing tax returns, schedules based on filing status, and dependent identification and classification. **Prerequisite(s)** ACCT& 201 or instructor permission.

### ACCT 270 - Payroll Accounting

**5 Unit(s)** Introductory course covering payroll calculation, accounting, and reporting, including knowledge of the Fair Labor Standards Act, the Social Security Act, federal income tax withholding laws, and other laws affecting payroll operations and employment practices. **Prerequisite(s)** : ACCT& 201 for AAS students. **Corequisite(s)**: ACCT& 201 for certificate students.

### ACCT 285 - Bookkeeper Certification Course

**5 Unit(s)** The capstone course in the Associate in Applied Science (AAS) Accounting/Tax program, covering principles of accounting, payroll, and taxation. Students earn up to 6 Certificates of

Completion from the American Institute of Professional Bookkeepers (AIPB) and can optionally take additional exams necessary for the AIPB Certified Bookkeeper (CB) designation.

**Prerequisite(s)** ACCT& 202, ACCT 260, 270.

### **ACCT 301 - Intermediate Accounting I**

**5 Unit(s)** The first installment of a two-part course designed to teach a professional level understanding of financial accounting and reporting as it applies to business entities both publically traded and privately held. **Prerequisite(s)** ACCT& 202 or instructor permission.

### **ACCT 302 - Intermediate Accounting II**

**5 Unit(s)** The second of a two-part course designed to teach a professional level understanding of financial accounting and reporting as it applies to business entities both publically traded and privately held.

**Prerequisite(s)** BAS 301 or by permission.

### **ACCT 310 - Accounting Principles for Mgrs**

**5 Unit(s)** Foundation course in accounting principles from a management perspective. Analyze the interrelationships of financial statements and cost behavior to measure and control the performance of a business entity, and make decisions based on this information.

### **ACCT 401 - Governmental Accounting**

**5 Unit(s)** An accounting course as it applies to government and not-for-profit entities. The topics include fund management, budget preparation, presentation of both fund and government-wide financial statements, and not-for-profit entity financial performance. **Prerequisite(s)** ACCT& 202 or permission.

### **ACCT 402 - Audit & Fraud**

**5 Unit(s)** This course is designed to teach the audit environment of professional financial accounting and reporting as it applies to fraud and internal controls.

**Prerequisite(s)** ACCT& 202 or by permission.

### **ACCT 403 - Federal Tax Compliance & Planning**

**5 Unit(s)** The application of concepts and techniques in: various advanced income tax scenarios; retirement planning; tax research; tax audit, appeals, and compliance process; and data analysis.

**Prerequisite(s)** ACCT& 202 or instructor permission.

### **ACCT 404 - Data Analytics for Accounting**

**5 Unit(s)** Using previously learned accounting principles, apply principles of data analytics in an accounting context. Students develop skills to ask relevant questions; understand and prepare different types of data to use in analysis; perform descriptive, diagnostic, predictive, and prescriptive analytics; and communicate the findings. **Prerequisite(s)** ACCT& 201, BTEC 214 or instructor permission.

## ***Adult Basic Education***

### **ABE 032 - ABE Reading and Writing 3**

**1 to 5 Unit(s)** This course helps students understand how to produce clear, coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. Students develop active reading skills, learn to identify key components of a text, and develop ability to use evidence to draw conclusions and make inferences. **Prerequisite(s)** CASAS reading score 217 – 227.

### **ABE 033 - Adult Basic Education Math 3**

**1 to 5 Unit(s)** Course is designed to improve analysis, synthesis, evaluation, and application skills through math. **Prerequisite(s)** CASAS Reading score 204 – 214.

### **ABE 035 - Workplace Literacy 2**

**3-5 Unit(s)** Course identifies essential skills needed to perform effectively in the workplace and introduces students to the basics of professional communication and behavior, time management, team-building, problem-solving, resume writing, and interviewing skills. The course will help students prepare to enter college or the workforce by exploring resources for seeking employment, areas of professional development, and college programs. **Prerequisite(s)** CASAS Reading Score 239-248.

### **ABE 042 - ABE Reading and Writing 4**

**1 to 5 Unit(s)** This course helps students understand how to produce clear, coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. Students develop active reading skills, learn to identify key components of a text, and develop ability to use evidence to draw conclusions and make inferences. **Prerequisite(s)**

CASAS Reading score 228 – 238.

### **ABE 043 - Adult Basic Education Level 4 Math**

**1 to 15 Unit(s)** Course is designed to improve analysis, synthesis, evaluation, and application skills through math. **Prerequisite(s)** CASAS Reading score 215 – 225.

### **ABE 045 - Workplace Literacy 3**

**3-5 Unit(s)** Course identifies essential skills needed to perform effectively in the workplace and introduces students to the basics of professional communication and behavior, time management, team-building, problem-solving, resume writing, and interviewing skills. The course will help students prepare to enter college or the workforce by exploring resources for seeking employment, areas of professional development, and college programs. **Prerequisite(s)** CASAS Reading score of 249 or higher.

### **ABE 052 - ABE Reading and Writing 5**

**1 to 5 Unit(s)** This course helps students understand how to produce clear, coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. Students develop active reading skills, learn to identify key components of a text, and develop ability to use evidence to draw conclusions and make inferences. **Prerequisite(s)** CASAS Reading score 239 – 248.

### **ABE 053 - Adult Basic Education Level 5 Math**

**1 to 15 Unit(s)** Course is designed to improve analysis, synthesis, evaluation, and application skills through math. **Prerequisite(s)** CASAS Reading score 226 – 235

### **ABE 055 - GED Fast-Track Lab 1**

**1 to 15 Unit(s)** The GED Fast-Track program is designed to maximize the opportunity for students to pass some or all GED tests. **Prerequisite(s)** Reading CASAS score 239+ and/or Math CASAS score 226+

### **ABE 056 - GED Fast-Track Lab 2**

**1 to 15 Unit(s)** The GED Fast-Track program is designed to maximize the opportunity for students to pass some or all GED tests. **Prerequisite(s)** Reading CASAS score 239+ and/or Math CASAS score 226+

### **ABE 057 - GED Fast-Track Lab 3**

**1 to 15 Unit(s)** The GED Fast-Track program is designed to maximize the opportunity for students to pass some or all GED tests. **Prerequisite(s)** Reading CASAS score 239+ and/or Math CASAS score 226+

### **ABE 062 - ABE Reading and Writing 6**

**1 to 5 Unit(s)** This course helps students understand how to produce clear, coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. Students develop active reading skills, learn to identify key components of a text, and develop ability to use evidence to draw conclusions and make inferences **Prerequisite(s)** CASAS Reading score 249 and above.

### **ABE 063 - Adult Basic Education Level 6 Math**

**1 to 15 Unit(s)** Course is designed to improve analysis, synthesis, evaluation, and application skills through math. **Prerequisite(s)** CASAS Reading score 236 and above.

## ***American Sign Language***

### **ASL& 121 - Am Sign Language I (H)**

**5 Unit(s)** An introductory course in American Sign Language (ASL). Topics covered include visual awareness, vocabulary, basic grammatical principles, comprehension skills, and the historical overview of the deaf community and its language. **Distribution Requirement(s):** Humanities **ICRC Approved Elective**

### **ASL& 122 - Am Sign Language II (H)**

**5 Unit(s)** A continuation of ASL 121, with emphasis on developing fluency in American Sign Language. **Distribution Requirement(s):** Humanities **ICRC Approved Elective**

### **ASL& 123 - Am Sign Language III (H)**

**5 Unit(s)** A continuation of ASL 122, with emphasis on comprehension and production of increasingly complex linguistic structures, and conceptual accuracy of multiple meanings and English/ASL idioms. **Distribution Requirement(s):** Humanities **ICRC Approved Elective**

### **ASL& 221 - American Sign Language IV**

**5 Unit(s)** Express yourself using not only hands, but the whole body. Emphasizes the beauty of the language of signs; increasing flexibility, reducing

inhibitions, and accuracy or expression of the concept as distinct from the words. **Prerequisite(s)** ASL& 123 or instructor permission.

## *Anthropology*

### **ANTH& 100 - Survey of Anthropology (SS)**

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

**Distribution Requirement(s):** Social Science. **ICRC Approved Elective**

### **ANTH& 204 - Archaeology (SS)**

**5 Unit(s)** An introductory course into the study of humankind and societies past as revealed through material culture remains. Archaeological theory, analysis, dating, excavation and lab techniques, as well as ethical guidelines are explored in detail.

**Distribution Requirement(s):** Social Science, **ICRC Approved Elective**

### **ANTH& 205 - Biological Anthropology (NS)**

**5 Unit(s)** Exploration of human biology, evolution, paleontology, taxonomy, primatology, genetics and human variation. A student cannot receive credit for both ANTH& 205 and ANTH& 215. **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

### **ANTH& 206 - Cultural Anthropology (D) (SS)**

**5 Unit(s)** Explore the whole of the human social and cultural world by means of investigating other people's beliefs and behaviors. Through a cross-cultural perspective we attempt to understand others in order to better learn about ourselves. **Distribution Requirement(s):** Social Science, Diversity, **ICRC Approved Elective**

### **ANTH& 210 - Indians of North America (SS)**

**5 Unit(s)** Investigate cultural systems of beliefs, behaviors and technology practiced by native North American peoples. Learn about subsistence patterns, exchange and trading relationships, marriage and the family, political organization, the life cycle, religion, belief and knowledge. **Distribution Requirement(s):** Social Science. **ICRC Approved Elective.**

### **ANTH& 215 - Bioanthropology w/Lab (NS)**

**5 Unit(s)** Exploration of human biology, evolution, paleontology, taxonomy, primatology, genetics and human variation. A student cannot receive credit for both ANTH& 205 and ANTH& 215. Lab fee \$12.07.

**Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

### **ANTH 225 - Race & Ethnicity (D) (SS)**

**5 Unit(s)** Introduces the study of race and ethnicity from sociological and anthropological perspectives. Examines how race and ethnicity operate in relation to identities, interactions, institutions, cultures, and systems, with a focus on inequality and power.

Focuses on race and ethnicity in the contemporary U.S., with historical and cross-cultural comparisons.

**Distribution Requirement(s):** Social Science, Diversity, **ICRC Approved Elective.**

### **ANTH 235 - Myth, Ritual, and Magic (SS)**

**5 Unit(s)** An ethnographical overview of the supernatural beliefs of peoples and cultures. Attention is paid to various Anthropological and Sociological theories concerning the nature, cause(s), and source(s) of supernatural belief in world societies and cultures.

**Distribution Requirement(s):** Social Science.

### **ANTH& 236 - Introduction to Forensic Anthropology (NS)**

**5 Unit(s)** Students will explore forensic anthropology method and theory, forensic taphonomy theory and practice, research methods, and the processing, analysis, and identification of human remains.

**Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

### **ANTH 260 - Latin America Field Trip I (D)**

**5 Unit(s)** Explore the culture(s) and language(s) of a specific region of Latin American through first-hand experience. Contact instructors or follow Field Trip links on Anthropology or Foreign Language pages of college website for current information.

**Prerequisite(s)** Instructor permission **Distribution Requirement(s):** Diversity, **ICRC Approved Elective**

### **ANTH 261 - Latin America Field Trip II (D)**

**5 Unit(s)** Explore the culture(s) and language(s) of a specific region of Latin America through first-hand

experience. Contact instructors or follow Field Trip links on Anthropology or Foreign Language pages of college website for current information.

**Prerequisite(s)** Instructor permission **Distribution Requirement(s):** Diversity, **ICRC Approved Elective.**

### **ANTH 262 - Latin America Field Trip III (D)**

**5 Unit(s)** Explore the culture(s) and language(s) of a specific region of Latin America through first-hand experience. Contact instructors or follow Field Trip links on Anthropology or Foreign Language pages of college website for current information.

**Prerequisite(s)** Instructor permission. **Distribution Requirement(s):** Diversity, **ICRC Approved Elective**

### **ANTH 263 - Latin America Field Trip IV (D)**

**5 Unit(s)** Explore the culture(s) and language(s) of a specific region of Latin America through first-hand experience. Contact instructors or follow Field Trip links on Anthropology or Foreign Language pages of college website for current information.

**Prerequisite(s)** Instructor permission **Distribution Requirement(s):** Diversity, **ICRC Approved Elective**

### **ANTH 275 - Ethnographic Survey of Taiwan (SS)**

**5 Unit(s)** The final of three courses that comprise Centralia College's study abroad program. Students will travel across Taiwan for ethnographic survey - engaging firsthand in learning experiences and activities related to Taiwanese culture, history, technology, economics, geopolitics, public-health, conservation, and renewable energy, while applying basic Chinese language skills in everyday, real-life situations. **Distribution Requirement(s):** Social Science, **ICRC Approved Elective**

## *Art*

### **ART& 100 - Art Appreciation (H)**

**5 Unit(s)** Examine the nature of visual art, its role in society, and methods of creative expression. Provides an overview of art history, surveys contemporary artists, and introduces studio methods in a variety of media. **Distribution Requirement(s):** Humanities **ICRC Approved Elective**

### **ART 102 - Drawing I (H)**

**5 Unit(s)** An introduction to the fundamentals of drawing. Emphasis is placed on exploration of materials, observational study and technique development. Lectures on historical and contemporary artists provide cultural context for student work. No prior drawing experience necessary. Lab fee \$68. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

### **ART 103 - Drawing II**

**5 Unit(s)** Intermediate level study of the fundamentals of drawing: composition, technique and manipulation of materials, exploration of subject matter. Lectures on contemporary and historical artists support drawing labs. Lab fee \$68. **Prerequisite(s)** ART 102 or instructor permission, **ICRC Approved Elective**

### **ART 104 - Drawing III**

**5 Unit(s)** Advanced level of study of the fundamentals of drawing: composition, technique and manipulation of materials, exploration of subject matter. Lectures on contemporary and historical artists support drawing labs. Lab fee \$68. **Prerequisite(s)** ART 102, 103 or instructor permission.

### **ART 106 - Printmaking I (H)**

**5 Unit(s)** An introduction into the studio methods of printmaking as well as its historical significance and contemporary applications. Create multiples of using various matrixes including screen prints, etchings and relief prints. Lab fee \$50. **Distribution Requirement(s):** Humanities.

### **ART 110 - 2D Design (H)**

**5 Unit(s)** Learn and utilize the principles of two-dimensional design and its application on a two-dimensional plane through lecture and studio practice. Lab fee \$40. **Distribution Requirement(s):** Humanities.

### **ART 111 - 3D Design (H)**

**5 Unit(s)** An introduction to fundamental processes and materials for making three-dimensional art. Emphasis is placed on exploration of media, observational study and technique development. Lectures on historical and contemporary artists provide cultural context for student work. Lab fee \$45. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

### **ART 112 - Color Theory (H)**

**5 Unit(s)** Understand the use of color in art through hands-on learning. Explore materials and techniques with in-class projects. Recognize color interaction and its effect on the viewer. Learn the art-historical evolution of our understanding of color. **Distribution Requirement(s):** Humanities.

### **ART 130 - Computer Graphics (H)**

**5 Unit(s)** An overview of computer programs used to create images for print and screen, still and moving. Gain basic skills in design and programs by creating digital art work in a series of assignments. Lab fee \$85. **Distribution Requirement(s):** Humanities, ICRC Approved Elective

### **ART 174 - Digital Photography (H)**

**5 Unit(s)** An introduction to digital photography as an expressive art form. Students will explore the creative and technical requirements of digital imaging, as well as examine the contributions of contemporary fine artists working in this medium. Lab fee \$85. **Prerequisite(s)** Basic Computer Experience, **Distribution Requirement(s):** Humanities, ICRC Approved Elective

### **ART 200 - Art History: Ancient (H)**

**5 Unit(s)** A survey of the development of art in Europe, the Near East and Asia from prehistoric times through the 14th century CE. The course will explore developments in architecture, painting, sculpture and other art forms. **Distribution Requirement(s):** Humanities, ICRC Approved Elective

### **ART 201 - Art History: 15th-17th C (H)**

**5 Unit(s)** A survey of the development of art in Pre-Columbian America, Africa and 15th-17th century Europe. The course will explore developments in architecture, sculpture, painting and other art forms. **Distribution Requirement(s):** Humanities, ICRC Approved Elective

### **ART 202 - Art History: 18th-20th C (H)**

**5 Unit(s)** A survey of the history of art in 15th-20th century Asia and 18th-20th century Europe. Historical developments in architecture, sculpture, painting and other art forms will be examined. **Distribution Requirement(s):** Humanities, ICRC Approved Elective

### **ART 203 - History of American Art (H)**

**5 Unit(s)** A survey of American painting, sculpture, and architecture from colonial times to the present. **Distribution Requirement(s):** Humanities, ICRC Approved Elective

## *Astronomy*

### **ASTR 127 - The Solar System & Universe (NS)**

**5 Unit(s)** Brief overview of the history and scope of astronomy, followed by a systematic study of the solar system, stars, galaxies, and the universe. **Prerequisite(s)** One year HS algebra or MATH 098 **Distribution Requirement(s):** Natural Science. ICRC Approved Elective

## *Bachelor of Applied Science - Behavioral Health*

### **BASBH 300 - Intro to Behavioral Healthcare**

**5 Unit(s)** Introduction to the field of behavioral healthcare and human services. Topics include: the historical underpinnings of the field, the work of the human service provider and the milieu in which client services are provided, exploration of ethics, values, and self-understanding as these apply to the human service worker. **Prerequisite(s)** Admittance in BASBH program or administrative and instructor permission.

### **BASBH 320 - Social & Cultural Diversity BH**

**5 Unit(s)** This course examines how cultural, biological, and social diversity affect thought and behavior. It presents current theories and practices for working with diverse populations in the behavioral health field and fosters the understanding and application of cultural diversity, cultural competency, self-awareness, social justice, and advocacy. **Prerequisite(s)** Admission in BASBH program or administrative and instructor permission

### **BASBH 325 - Sociology of Health & Healthcare**

**5 Unit(s)** This course explores health, illness, and healthcare from a sociological perspective. It considers the relationship between individuals' health and their cultural and structural realities, including the social determinants of health and social construction of illness. In addition, it examines healthcare professions from a sociological perspective and critically analyzes the structure, functions, and

outcomes of the U.S. healthcare system.

**Prerequisite(s)** Admission in BASBH program.

### **BASBH 330 - Ethics in Behavioral Healthcare**

**5 Unit(s)** A broad understanding of ethics, legal standards, and professional responsibilities in behavioral health with an emphasis on counseling ethics. Explore behavioral health professionals' responsibilities to themselves, clients, colleagues, and society. Gain understanding of ethical standards, ethical decision-making, professional boundaries, confidentiality and federal and state laws.

**Prerequisite(s)** Admittance in BASBH program or administrative and instructor permission.

### **BASBH 340 - Professional Development**

**5 Unit(s)** Prepares students for field entry through resume and goal preparation, scheduling interviews, self-assessment, supervision discussions, and site selections. Students must complete this course prior to enrolling BASBH 470 Practicum or BASBH 471 Capstone courses. **Prerequisite(s)** Admittance in BASBH program and completion of BASBH 400 with a minimum 2.0 grade.

### **BASBH 350 - Neurobiology**

**5 Unit(s)** Building on the study of human biology, this course introduces the structures and processes of the human brain. Designed for non-science majors, the course emphasizes the relationships among biology, emotions, thoughts, and behavior. **Prerequisite(s)** admittance in BASBH program or administrative and instructor permission.

### **BASBH 400 - Case Management**

**5 Unit(s)** Develop observation, problem-solving, recording and relationship building skills through the exploration of the case management process which includes client engagement and assessment, interview techniques, and collection of client information. Explore professional responsibility and cultural diversity in the context of case management practice. **Prerequisite(s)** Admittance in BASBH program or administrative and instructor permission.

### **BASBH 420 - Treatment of Mental Health Disorders**

**5 Unit(s)** This course offers students experiences in assessing the various aspects of common mental health disorders encountered in the behavioral health

field. Students will develop the knowledge and skills necessary to conduct systematic and culturally-sensitive biopsychosocial assessments, diagnosis, and treatment recommendations. **Prerequisite(s)** Admittance in BASBH program or administrative and instructor permission.

### **BASBH 430 - Trauma-Informed Care**

**5 Unit(s)** Overview of the various types of trauma and the impact they have on individuals, couples, families, and communities. Students who complete the course will gain the knowledge, skills, and dispositions required by behavioral health professionals to utilize trauma-informed intervention and treatment principles and successfully assist in a time of crisis.

**Prerequisite(s)** Admission in BASBH program or administrative and instructor permission

### **BASBH 440 - Family Counseling**

**5 Unit(s)** The purpose of the course is to introduce students to the theory, assessment techniques and intervention strategies used in the practice of family systems counseling. The focus of the course will be on building a theoretical base for understanding and applying family systems counseling strategies and techniques. Didactic and experiential learning will provide students with the opportunity to apply and integrate knowledge and skills gained through reading, lectures and videos. **Prerequisite(s)** admission in BASBH program.

### **BASBH 450 - Advanced Counseling Techniques**

**5 Unit(s)** Survey of major contemporary counseling theories and their practical applications. Topics include historical background, key concepts, counseling processes, techniques, multicultural perspectives, and client evaluation. Case studies help determine appropriate interventions and practice commonly used techniques to prepare students for effective counseling in diverse settings.

**Prerequisite(s)** Admittance in BASBH program and completion of SUDP 110 with a minimum 2.0 grade.

### **BASBH 455 - Behavioral Healthcare in Primary Care**

**5 Unit(s)** Builds on previous coursework of behavioral health assessment treatment planning, documentation and evaluation. Course emphasizes practical skills designed to enhance effective communication across disciplines to prepare students

for a collaborative health care treatment approach. Practice skills learned in class to promote engagement, motivation, and empowered decision making among clients. **Prerequisite(s)** Admittance in BASBH program or administrative and instructor permission

### **BASBH 470 - Practicum I**

**5 Unit(s)** Through supervised clinical experience, students gain hands-on training in behavioral health and human services. Focus areas include intake interviewing, case management, needs assessment, intervention strategies, counseling, outreach, documentation, referrals, networking, staff relations, and inter-agency communication. Students must complete 132 hours of documented clinical experience. **Prerequisite(s)** Completion of 45 units of BASBH program coursework and completion of BASBH 340 with a minimum 2.0 grade.

**Corequisite(s):** Enrollment into BASBH program

### **BASBH 471 - Capstone**

**5 Unit(s)** In the capstone course, students synthesize, apply, and extend content learned throughout the Behavioral Health degree program. In consultation with faculty, students will propose, complete, evaluate, and present a project that demonstrates their mastery of a specific component of their Behavioral Health coursework relevant to the field and to their own academic and professional goals. **Prerequisite(s)** Completion of 45 units of BASBH program coursework. **Corequisite(s):** Enrollment into BASBH program.

### **BASBH 475 - Practicum II**

**5 Unit(s)** Through supervised clinical experience, students gain hands-on training in behavioral health and human services. Focus areas include intake interviewing, case management, needs assessment, intervention strategies, counseling, outreach, documentation, referrals, networking, staff relations, and inter-agency communication. Students must complete 132 hours of documented clinical experience. **Prerequisite(s)** Completion of 45 units of BASBH Program coursework and completion of BASBH 470 with a minimum 2.0 grade.

**Corequisite(s):** Enrollment into BASBH Program Continuation of BASBH 470 Practicum I.

## ***Bachelor of Applied Science -Applied***

## ***Management***

### **MGMT 320 - Leadership & Organizational Behavior**

**5 Unit(s)** Relate theory and research to organizational problems by reviewing advanced concepts in motivation, perception, leadership, decision-making, communication and influence, group behavior, diversity, conflict and cooperation, politics, corporate culture, organizational structure, and environmental influences.

### **MGMT 325 - Legal Issues**

**5 Unit(s)** A core course concerning the impact of laws, regulations, and legal responsibilities on management behavior with a focus on the application of this learning to real life situations for organizations both large and small.

### **MGMT 340 - Applied Financial Management**

**5 Unit(s)** Managerial finance. Case studies are used to explore topics including: financial statement analysis, long-term financial planning, capital budget decision making, financial leverage, capital structure policy, and dividend payout policy. **Prerequisite(s)** ACCT 310 or accounting elective with a 2.0 or higher.

### **MGMT 360 - Business Principles, Planning & Strategy**

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

### **MGMT 370 - Practicum in Management**

**5 Unit(s)** This course will explore and build student comprehension of the application of management functions covered in BAS-AM courses via direct interaction between students and local managers and entrepreneurs from private, public, and non-profit sectors. **Prerequisite(s)** Admission in BAS-AM Program.

### **MGMT 380 - Marketing for Managers**

**5 Unit(s)** A core course designed to develop the marketing knowledge and skills necessary for the successful manager of a profit or non-profit organization. Students will develop and present a

comprehensive marketing plan.

### **MGMT 410 - Project Management Application**

**5 Unit(s)** The theory and practice of project management as it relates to managers. Planning, organizing, securing, and managing the human, financial, and physical inputs required to meet project objectives will be covered.

### **MGMT 420 - Management of Human Resources**

**5 Unit(s)** Core course in the responsibilities and role of human resource management in today's workplace. Material will concentrate on both regulatory and strategic responsibilities of HR. Topics include recruitment, interviewing, compensation and current HR issues.

### **MGMT 430 - Supply Chain Management**

**5 Unit(s)** This course provides an overview of Supply Chain Management (SCM) and various interconnected roles. Elements of internal and external demand, quality management, process improvement and design, distribution, and SCM strategy will also be included. **Prerequisite(s)** Admittance into BAS program or administrator approval. MATH& 146 or MATH& 148 or MATH& 151.

### **MGMT 435 - Operations Management**

**5 Unit(s)** Introduction to the key ideas and techniques used to plan, analyze, measure and improve an organization's production of goods and services. Topics explored include process-system modeling, product design/quality, inputs, processes, supply-chains, inventory, and people management. **Prerequisite(s)** enrollment in BAS-AM or by permission.

### **MGMT 440 - Quality Management Principles**

**5 Unit(s)** Acquire familiarity and a working knowledge of the principles and practice of quality management, quality control and process improvement. **Prerequisite(s)** Admittance into BAS program or administrator approval; MGMT 350 and MGMT 430 or MGMT 435.

### **MGMT 445 - Warehouse Management**

**5 Unit(s)** Critical analysis in the formulation of logistics, distribution and warehouse management strategies necessary to support the firm's strategic

decisions. Emphasis in warehouse operations, distribution modalities and methodologies, and logistics processes. **Prerequisite(s)** Admittance into BAS program or administrator approval; MGMT 430 or MGMT 435.

### **MGMT 460 - Internship Seminar**

**2 Unit(s)** Discuss topics relevant to the workplace, such as professional image, business etiquette, resolving conflict, problem-solving, diversity, preparing for and securing employment.

**Prerequisite(s)** Admittance into BAS program or administrator approval.

### **MGMT 470 - Management Internship**

**3 Unit(s)** Culminating activity requiring the application of program learning outcomes to a specific job or project. Students will work to attain learning outcomes through activities and deliverables agreed upon between the student, internship provider, and instructor. Lab fee is \$75.25. **Prerequisite(s)** Admittance into BAS program or administrator approval; or co-enrolled in MGMT 460 and 60 units of BAS courses.

### **MGMT 490 - Strategic Management**

**5 Unit(s)** A capstone course which focuses on the key aspects that must be addressed for sustained organizational success, effective problem solving, and the capture of opportunities from the perspective of the general manager or the entrepreneur.

## ***Biology***

### **BIOL& 160 - General Biology w/ Lab (NS)**

**5 Unit(s)** Surveys the structures and functions of cells and organisms. Explores basic genetic and evolutionary processes. Outlines the characteristics of life, its history, and biodiversity. Lab fee \$18.46.

**Distribution Requirement(s):** Natural Science.

**ICRC Approved Elective**

### **BIOL& 170 - Human Biology (NS)**

**5 Unit(s)** Overview of the major anatomy of humans including genetics, cells, tissues, and organ systems with their interactions and development from embryo to old age, including representative diseased conditions. Includes contextualization of humans in larger evolutionary, ecological, and social structures as related to their biology. **Distribution**

**Requirement(s):** Natural Science. **ICRC Approved Elective**

### **BIOL& 175 - Human Biology w/Lab (NS)**

**5 Unit(s)** Overview of the major anatomy of humans including genetics, cells, tissues, and organ systems with their interactions and development from embryo to old age, including representative diseased conditions. Includes contextualization of humans in larger evolutionary, ecology, and social structures as related to their biology. With lab. Students cannot receive credit for both BIOL& 175 and BIOL& 170. Lab fee \$20. **Distribution Requirement(s):** Natural Science.

### **BIOL& 221 - Majors Ecology/Evolution (NS)**

**5 Unit(s)** Ecology, evolution, taxonomy and phylogeny, diversity of life forms. First course in a three-quarter series (BIOL& 221, BIOL& 222, BIOL& 223). Lab fee \$20.96. **Prerequisite(s)** HS biology or BIOL& 160 and MATH 098 or equivalent **Distribution Requirement(s):** Natural Science

### **BIOL& 222 - Majors Cell/Molecular (NS)**

**5 Unit(s)** Metabolism and energetics, structure and function of biomolecules and cells, Mendelian and molecular genetics, gene regulation and biotechnology. Second course in a three-quarter series (BIOL& 221, 222 and 223). **Prerequisite(s)** HS biology and chemistry or BIOL& 160 and CHEM& 121 or equivalent. **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective.**

### **BIOL& 223 - Majors Organismal Physiology (NS)**

**5 Unit(s)** Plant and animal comparative anatomy and physiology. Final course in a three-quarter series (BIOL& 221, 222, and 223). Lab fee \$20.96. **Prerequisite(s)** BIOL& 221 or 222 or instructor permission. **Distribution Requirement(s):** Natural Science. **ICRC Approved Elective**

### **BIOL& 241 - Human Anatomy and Physiology 1 (NS)**

**5 Unit(s)** Investigate interactions between structure (anatomy) and function (physiology) essential for human health. Investigate organization and function of macromolecules, membranes and the cell, tissues, integument, skeleton and articulations, skeletal muscles, nervous system and the brain. Lab fee

\$18.46. **Prerequisite(s)** BIOL& 160 or BIOL& 170 with a 2.0 grade or better , or instructor permission **Distribution Requirement(s):** Natural Science. **ICRC Approved Elective**

### **BIOL& 242 - Human Anatomy and Physiology 2 (NS)**

**5 Unit(s)** Investigate the interactions between structure (anatomy) function (physiology) essential for human health. Investigate organization and function of the sensory, endocrine, cardiovascular, immune, respiratory, digestive, urinary, and reproductive systems. Lab fee \$18.46. **Prerequisite(s)** BIOL& 241 with a 2.0 grade or better or instructor permission. **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

### **BIOL& 260 - Microbiology (NS)**

**5 Unit(s)** Introductory microbiology focused on human health covering eukaryotes, prokaryotes, and viruses. Includes laboratory applications of lecture concepts. Lab fee \$36.40. **Prerequisite(s)** BIOL& 160 , BIOL& 170 , or BIOL& 175 ; and CHEM& 121 ; or instructor permission. **Distribution Requirement(s):** Natural Science. **ICRC Approved Elective**

### **BIOL 270 - Research in Biology (AE)**

**1 to 12 Unit(s)** Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. **Prerequisite(s)** Instructor permission, **ICRC Approved Elective.**

## ***Botany***

### **BOTA 110 - Survey of Botany (NS)**

**5 Unit(s)** Introduction to plants for non-majors, with emphasis on growth, function, and reproduction. Human uses and modifications of plants for food and medicine will be explored. Students will conduct plant growth experiments in the greenhouse. Lab fee \$18.01. **Distribution Requirement(s):** Natural Science **ICRC Approved Elective**

### **BOTA 113 - Plant Identification & Classification (NS)**

**5 Unit(s)** Identification and classification of vascular plants of western Washington with emphasis on important plant families, conservation, and native

plant uses. Field trips during labs to observe native plants in local habitats. Lab fee \$17.72. **Distribution Requirement(s):** Natural Science **ICRC Approved Elective**

### **BOTA 150 - Dendrology (NS)**

**5 Unit(s)** Introduction to biology through trees, from cells and evolution through tree ecology and urban trees. Identification of trees will be featured, including both Pacific Northwest natives and common street trees. Lab fee \$18.44. **Distribution Requirement(s):** Natural Science **ICRC Approved Elective**

## ***Building Technology***

### **TECH 160 - Drywall Installation**

**3 Unit(s)** This course is designed to teach students basic safety procedures, techniques, framing skills, and drywall installation that may be used in the construction industry. **Corequisite(s):** TECH 161.

### **TECH 161 - Drywall Finishing**

**4 Unit(s)** This course is designed to teach students light commercial and residential drywall finishing techniques such as taping, mudding, and sanding that can be used in the construction industry. Students are also taught how to finish off-angle corners, curved walls, and the use of different sheens of paint. **Corequisite(s):** TECH 160

### **TECH 165 - Roofing Installation**

**7 Unit(s)** This course will teach students safety techniques and basic commercial and residential roofing techniques, including preparation and installation that may be used in the construction industry. This course teaches various flashings for skylights, chimneys, plumbing vents, attic ventilation, and edge protection.

### **TECH 166 - Siding Installation**

**7 Unit(s)** This course teaches students safety techniques, basic commercial and residential siding preparation and installation techniques, including removing existing materials, selecting correct tools, math skills needed to measure and cut materials in the construction industry. This course teaches various flashings for walls, fixtures, bath and dryer vents, and multiple story construction.

## ***Business Administration***

### **BUS 100 - College & Career Success: BUS**

**3 Unit(s)** Prepares students for college and career success through activities enhancing self-awareness and developing self-management skills and strategies. Students will learn to navigate college: reflect on diversity; identify career goals, and develop essential skills for academic success, information literacy, critical thinking, effective communication, time management, resource utilization, and financial planning. Lab fee \$15.

### **BUS& 101 - Introduction to Business (AE)**

**5 Unit(s)** Introduction to the world of business. Emphasis will include functions of business, management, types of business ownership, human resources, production, marketing, ethics, and the role of accounting. **ICRC Approved Elective**

### **BUS 120 - Leadership Development**

**5 Unit(s)** This course is designed to be an introduction to leadership and development of leadership skills. This class will cover a variety of leadership areas such as principles and theories, communication, diversity and inclusive practices, decision making, problem-solving, time-management, conflict resolution, and group/teamwork. Lab fee is \$15.

### **BUS 190 - Cooperative Work Experience**

**1 to 12 Unit(s)** Students apply classroom learning to on-the-job settings. Credit earned for new and continued learning taking place in the work environment. **Corequisite(s):** BTEC 191.

### **BUS& 201 - Business Law (AE)**

**5 Unit(s)** Introduction to state and federal constitution, laws and procedures including international trade, crimes, torts, contracts, sales, property, bankruptcy, securities, consumer protection, employment, and debtor-creditor relationships. The relationship between ethics and law will be discussed. **ICRC Approved Elective**

### **BUS 203 - Human Resource Management**

**5 Unit(s)** Introduction to fundamental concepts of human resources management. This course will focus on recruiting, employee selection and training, employee performance and compensation, and employee laws and labor relations.

## **BUS 210 - Retail Management**

**5 Unit(s)** Gain broad perspective for all facets of retail operations including: multi-channels, merchandising, pricing, layout, store organization, site location, customer behavior, and customer service.

## **BUS 215 - Principles of Finance**

**5 Unit(s)** A broad survey of the field of Finance. Topics include: interest rate theory, financial statement analysis, time value of money, and building stock and bond portfolios. Managerial finance is also studied. **Prerequisite(s)** ACCT& 201 or ACCT 200 or permission.

## **BUS 220 - Marketing**

**5 Unit(s)** A broad overview of the market structure and marketing philosophies currently being used in business. Includes a description, analysis, and evaluation of the marketing system. Each student will conduct a marketing research project.

## **BUS 225 - Money and Banking**

**5 Unit(s)** An introduction to the core principles of money and banking. Topics to be discussed include interest rates, financial instruments, financial markets, financial institutions, central banks, monetary policy, financial stability, and modern monetary economics. **Prerequisite(s)** ACCT& 201, 202.

## **BUS 232 - Entrepreneurship**

**5 Unit(s)** Experience the challenge and reward of planning a new business. Topics include: development of a business plan, failure factors in small businesses, capital, accounting, financial statements, marketing, human resource management, legal/regulatory issues and management principles. **Prerequisite(s)** BUS& 101 and ACCT 200, or instructor permission

## **BUS 235 - Salesmanship**

**5 Unit(s)** Students will determine what motivates customers to make a buying decision and to ask appropriate questions to discover needs. Learn to organize sales process for effective time management, use technology and social media.

## **BUS 245 - Inventory Management**

**5 Unit(s)** Basic principles of inventory management focusing on cost, quantity and control. Inventory management concepts and practices expose students

to physical inventory levels, cycle counts, and economic order quantities. Use of algebraic formulas required. **Prerequisite(s)** BUS& 101 or approval by instructor. **Corequisite(s):** BTEC 120 or MATH 097 or higher.

## **BUS 250 - Project Management**

**5 Unit(s)** Explore the concept of projects and the unique administrative approach needed to successfully complete a project on time and within budget. Identify the components of projects and the tools available to track project progression. **Prerequisite(s)** BUS& 101

## **BUS 275 - Principles of Management**

**5 Unit(s)** Management styles and effective management of personnel from the manager's side of business. The course is built around the five traditional functions of management and exploring management problems and practices. Real-life case problems used.

## ***Business Office Technology***

### **BTEC 101 - Beginning Keyboarding**

**3 Unit(s)** Conquer the keyboard. Develop touch typing and ergonomics techniques to boost accuracy, speed, and comfort. Learn Microsoft Word basics to create business documents. Build your confidence at the keyboard. No typing skill is required. I T 117 Intro to Windows OS is recommended. **Prerequisite(s)** I T 117 Intro to Windows OS.

### **BTEC 102 - Intermediate Keyboarding**

**3 Unit(s)** Elevate your typing skills. Refine touch typing accuracy and speed, integrate ergonomic excellence, and create professional business documents in Microsoft Word. Enhance technique, accuracy, and speed for a competitive edge in the workplace. Recommended prerequisite: I T 117 and BTEC 101 or 30+ net WPM. Lab fee \$59.

**Prerequisite(s)** I T 117 and BTEC 101 or instructor permission.

### **BTEC 120 - Applied Business Math**

**5 Unit(s)** Fundamental arithmetic skills applied to a wide range of business activities. Topics include; banking, discounts, payroll, simple interest, markups and markdowns and promissory notes.

**Prerequisite(s)** Completion of MATH 096 or equivalent test score.

### **BTEC 130 - Computer Applications**

**3 Unit(s)** This course is designed to develop a basic understanding of computer technology/literacy and the Internet in relation to business processes. Students develop beginning, entry-level competence in business applications including word processing, spreadsheet, presentation graphics, email systems, and cloud computing alternatives to demonstrate business-oriented skills.

### **BTEC 190 - Cooperative Work Experience**

**1 to 12 Unit(s)** This course allows students to apply classroom learning to on-the-job settings. Credit is earned for new and continued learning taking place in the work environment. **Prerequisite(s)** Instructor permission; current or prior enrollment in BTEC 191.

### **BTEC 191 - Work Experience Seminar**

**1 Unit(s)** Discussion topics include professional image, business etiquette, sexual harassment, resolving conflict, and diversity in the workplace. Must be taken prior to or concurrent with Cooperative Work Experience.

### **BTEC 205 - Outlook**

**1 Unit(s)** This course covers assorted tasks in Microsoft Outlook. Students will use their college email address to create and send email messages, schedule meetings, maintain calendars, and manage tasks. **Prerequisite(s)** IT 117, typing speed of 35 WPM or instructor permission.

### **BTEC 210 - Word 1**

**5 Unit(s)** Course covers Microsoft Word in depth: document preparation, formatting, graphics, WordArt, SmartArt, tabs, columns, sorting, mail merge, styles, Quick Parts, headers/footers, references. Students will format documents to business standards.

**Prerequisite(s)** IT 117, typing speed of 35 WPM, instructor permission.

### **BTEC 214 - Excel 1**

**5 Unit(s)** This course is a hands-on approach for beginning through intermediate level applications of Excel spreadsheet using a variety of business applications. Students will learn formulas, charts, formatting, and management of Excel files.

**Prerequisite(s)** IT 117, typing speed of 35 WPM, instructor permission.

### **BTEC 220 - Ten-Key Mastery**

**1 Unit(s)** This course develops speed, accuracy, and efficiency in numeric data entry using the ten-key pad by touch. Students will learn proper ergonomic techniques, hand placement, and keying methods to perform numeric input quickly and accurately. Focus is on real-world applications such as data entry, accounting, and financial recordkeeping. Lab fee \$7.15. **Prerequisite(s)** Business Math suggested.

### **BTEC 221 - Business Communications**

**5 Unit(s)** Apply principles of effective written and oral business communications. Upon completion, students should be able to produce effective digital media pieces; positive, negative, and persuasive messages; informal reports; and a resume and cover letter. **Prerequisite(s)** Placement into ENGL& 101 or a 2.0 in ENGL 99 or WRT 105.

### **BTEC 222 - Presentation Design and Tools**

**2 Unit(s)** This course develops skills in planning, designing, and delivering professional presentations using Microsoft PowerPoint and online tools. Students apply design principles, create visual content, and collaborate using cloud-based platforms to produce engaging, accessible, and audience-focused presentations for academic and workplace settings. **Prerequisite(s)** BTEC 101 or instructor permission.

### **BTEC 224 - General Office Procedures**

**5 Unit(s)** Topics include professional image, employer expectations, human relations, receptionist techniques, telephone procedures, mail processing, business ethics, job safety, office equipment and supplies, travel and meeting arrangements, financial activities, and composing and preparing professional documents. **Prerequisite(s)** BTEC 110, BTEC 210, BTEC 233, BTEC 214

## ***Chemistry***

### **CHEM& 110 - Chemical Concepts W/Lab (NS)**

**5 Unit(s)** Survey course of basic chemical principles and the real world applications of chemistry. Meets NS distribution. Not intended for Allied Health or general chemistry prep. Will be offered with various themes. Math 096 prerequisite. Lab fee \$27.69.

**Prerequisite(s)** MATH 96, **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective.**

### **CHEM& 121 - Introduction to Chemistry (NS)**

**5 Unit(s)** One quarter survey of general chemistry intended for Allied Health students. Topics include: atoms, bonds, reactions, solutions, and acids and bases. Lab fee \$27.69. **Prerequisite(s)** MATH 97 or MATH 98. **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective.**

### **CHEM& 131 - Introduction to Organic/Biochemistry (NS)**

**5 Unit(s)** One quarter study of major organic functional groups and their properties, major biochemical compounds, and major cellular energy pathways and metabolism. Targeted for Allied Health programs. Lab fee \$22.04. **Prerequisite(s)** CHEM& 121 with a 2.0 or better or instructor permission **Distribution Requirement(s):** Natural Science **ICRC Approved Elective**

### **CHEM& 139 - General Chemistry Prep (NS)**

**5 Unit(s)** Preparatory chemistry for science/engineering majors intending to take the CHEM& 161 sequence. Emphasizes quantitative reasoning, focusing on how mathematics is used in chemistry. Introduces nomenclature, dimensional analysis, stoichiometry, atomic structure, gas laws and solutions. **Prerequisite(s)** MATH 098 or equivalent or instructor permission. **Distribution Requirement(s):** Natural Science. **ICRC Approved Elective**

### **CHEM 159 - Problem Solving in Chemistry**

**1 Unit(s)** This course is designed to provide instruction and practice in quantitative problem solving, critical thinking, and the mathematics and study skills that are required to be successful in CHEM& 161. **Corequisite(s):** CHEM& 161 **ICRC Approved Elective**

### **CHEM& 161 - General Chemistry w/Lab I (NS)**

**6 Unit(s)** First of a three-quarter sequence for science and engineering majors. Includes matter, measurements, equations, stoichiometry, solution chemistry, gases, thermochemistry, quantum theory, and electronic structure. Problem solving and critical thinking are stressed. Includes lab. Lab fee \$27.46.

### **CHEM& 162 - General Chemistry w/Lab II (NS)**

**6 Unit(s)** Second of a three-quarter sequence. Includes

periodic trends, chemical bonding and structure, valence bond/molecular orbital theory, intermolecular forces, liquids and solids, solutions, and kinetics. Lab emphasizes data analysis and interpretation. Lab fee \$27.69. **Prerequisite(s)** CHEM& 161 with a 2.0 or better or instructor permission. **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective.**

### **CHEM& 163 - General Chemistry w/Lab III (NS)**

**6 Unit(s)** Third of a three-quarter sequence. Includes equilibrium, acids and bases, acid/base and solubility equilibria, thermodynamics, electrochemistry, and an introduction to organic and nuclear chemistry. May include polymers, transition metal, and/or coordination chemistry. Lab fee \$27.69. **Prerequisite(s)** CHEM& 162 with a 2.0 or better or instructor permission. **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

### **CHEM& 261 - Organic Chemistry w/Lab I (NS)**

**6 Unit(s)** First course in a three-quarter sequence for science and pre-professional majors. Topics covered include structure, nomenclature, reactions and properties of hydrocarbons, and alkyl halides. Includes mechanisms and stereochemistry. Lab focuses on laboratory techniques. Lab fee \$26.88. **Prerequisite(s)** CHEM& 163 with 2.0 or greater or instructor permission. **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

### **CHEM& 262 - Organic Chemistry w/Lab II (NS)**

**6 Unit(s)** Second course in the sequence. Topics covered include structure, nomenclature, reactions and properties of alkenes, alkynes, alcohols, ethers, and conjugated and aromatic systems. Spectroscopy topics include IR, NMR, and MS analysis, including structure elucidation. Lab fee \$26.88. **Prerequisite(s)** CHEM& 261 with 2.0 or greater or instructor permission **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

### **CHEM& 263 - Organic Chemistry w/Lab III (NS)**

**6 Unit(s)** Final course in the sequence. Topics covered include structure, nomenclature, reactions and properties of aromatics, aldehydes, ketones, carboxylic acids and their derivatives, and amines. Enol/enolate chemistry and radical reactions will also be covered. Lab fee \$26.88. **Prerequisite(s)** CHEM& 262 with 2.0 or greater or instructor permission

**Distribution Requirement(s):** Natural Science **ICRC Approved Elective**

### **CHEM 270 - Research in Chemistry (AE)**

**1 to 12 Unit(s)** Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. Lab fee \$13.85.

**Prerequisite(s)** Instructor permission **ICRC Approved Elective.**

## *Commercial Drivers*

### **CDL 100 - Commercial Truck Driving**

**12 Unit(s)** This course is designed to prepare students for Washington State tests necessary to obtain a Commercial Driver License (A). Lab fee \$3,350.

**Prerequisite(s)** 18 years of age or older; pass Federal Department of Transportation health and drug screening; valid Washington state driver license; no DUI, hit and run, reckless, or negligent infractions within the past 5 years; and no more than three moving violations in the past 3 years. Instructor Permission.

## *Communication Studies*

### **CMST& 102 - Introduction to Mass Media (H)**

**5 Unit(s)** A survey of the mass media in America: newspapers, magazines, books, recorded music, radio, television, motion pictures, the World Wide Web: with emphasis on structure, function, audience, content, effect and social responsibility. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

### **CMST 104 - Racism, Sexism and the Media (H)**

**3 Unit(s)** Examine issues of race and gender in the media from both an historical and a current perspective. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

### **CMST 110 - Social Media Communication (H)**

**5 Unit(s)** Students will explore the field of social media communications, how social media has affected the way we communicate, and how to use platforms and strategies for professional use. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

### **CMST 130 - Debate I (H)**

**5 Unit(s)** Students will learn to analyze, construct and deliver arguments on controversial topics using supportive evidence to respond to opposing viewpoints. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective.**

### **CMST& 220 - Public Speaking (H)**

**5 Unit(s)** Apply methods for managing speech anxiety, holding attention and making points in a variety of public speaking situations, including techniques for being credible and ethical. Communication theories and interpersonal skills also studied. **Distribution Requirement(s):** Humanities **ICRC Approved Elective**

### **CMST 240 - Advanced Public Speaking (H)**

**5 Unit(s)** Build upon the skills learned in an introductory public speaking course. Become prepared to present in professional settings and lead effective business meetings as an audience-centered communicator. **Prerequisite(s)** CMST& 220 or instructor permission **Distribution Requirement(s):** Humanities **ICRC Approved Elective**

### **CMST 250 - Intercultural Communications (H)**

**5 Unit(s)** Students will explore the dynamics of intercultural communication; how variables such as perceptions, language usage, nonverbal style, gender, class, and values influence face-to-face communication among individuals of different cultures; and strengthen communication skills. **Distribution Requirement(s):** Humanities **ICRC Approved Elective**

### **CMST 330 - Professional & Organizational Communication (H)**

**5 Unit(s)** Foundation course designed to develop effective written and verbal communication skills in organizational settings. Students will gain an appreciation for the crucial role communication plays in organizations and how to improve their employability. **Prerequisite(s)** Five credits of lower division Humanities. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

## *Construction Trades*

### **CTAP 110 - CTAP (Construction Trades)**

**20 Unit(s)** CTAP will provide exposure to a variety of building trades and applications to the job site. These include Laborers, Iron Workers, Cement Mason, Carpenter, Plumbers and Pipefitters, and Electricians. Guest speakers from the trade fields will inform students of what it takes to be successful in building trades.

## *Criminal Justice*

### **CJ& 101 - Introduction to Criminal Justice (SS)**

**5 Unit(s)** Provides an overview of the criminal justice system by examining the history, structure, operations, and problems within the American criminal justice system. Students will analyze general topics associated with the contemporary criminal justice system to develop a critical perspective on the nature of justice and society's response to criminal behavior. **Distribution Requirement(s):** Social Science Distribution

### **CJ 103 - Constitutional Case Law**

**5 Unit(s)** Examines the Constitution and Bill of Rights in relation to law enforcement, the judiciary, and corrections. Defines guilt-laden facts, reasonable suspicion, and probable cause.

### **CJ 104 - Introduction to Law Enforcement (AE)**

**5 Unit(s)** A broad survey of the theories, procedures and methods of police operations studied. Also examines police discretionary powers, career opportunities, and trends in law enforcement. **Prerequisite(s)** CJ& 101 or instructor permission. **ICRC Approved Elective.**

### **CJ& 105 - Introduction to Corrections (AE)**

**5 Unit(s)** A broad survey of the history and evolution of adult and juvenile correctional models in America. All forms of incarceration and restrictive custody are studied. **Prerequisite(s)** CJ& 101 or instructor permission. **ICRC Approved Elective**

### **CJ& 106 - Juvenile Justice (D)(SS)**

**5 Unit(s)** This course will explore the origins of juvenile deviance and apply criminological theories to delinquency and justice as it exists today. Students will learn the general economic, social, and psychological impact of juvenile trends and the causes and correlates of delinquency. **Distribution Requirement(s):** Diversity Distribution, Social

Science Distribution.

### **CJ 107 - Criminal Procedures**

**5 Unit(s)** Examines state and federal laws of arrest, search and seizure, civil and criminal liability. The rules of evidence and courtroom proceedings are studied. **Prerequisite(s)** CJ& 101 or instructor permission.

### **CJ 109 - Community Policing**

**5 Unit(s)** Focus on resolving community issues and concerns via Community Oriented Policing and Problem Solving (COPPS) skills and strategies. **Prerequisite(s)** CJ& 101 or instructor permission.

### **CJ& 110 - Criminal Law (AE)**

**5 Unit(s)** A broad survey of the common criminal laws and statutes of Washington and the other 49 United States. **Prerequisite(s)** CJ& 101 or instructor permission **ICRC Approved Elective**

### **CJ 111 - Criminal Justice Ethics**

**5 Unit(s)** Presents an in-depth analysis of the practical, theoretical, ethical and moral considerations found in the criminal justice system. **Prerequisite(s)** CJ& 101 or instructor permission.

### **CJ& 112 - Criminology (AE)**

**5 Unit(s)** Examines social components of crime, deviance, criminality, and societal reactions to crime. Includes discussion of causes and impacts of crime on society, classifications and theoretical interpretations of crime and the criminal justice system.

### **CJ 114 - Critical and Current Issues**

**5 Unit(s)** Examines current issues, topics and trends in the criminal justice system. Explores the issues of racism and bigotry as related to criminal justice practitioners. **Prerequisite(s)** CJ& 101 or instructor permission.

### **CJ 116 - Community Corrections**

**5 Unit(s)** Community corrections, alternative sentencing, probation and diversion concepts studied. Explores technology innovations pertaining to community supervision. **Prerequisite(s)** CJ& 101 or instructor permission.

### **CJ 126 - Homicide**

**5 Unit(s)** Tactics, procedures, and forensic techniques of homicide investigation are examined. Various tools and processes systematically employed to identify, arrest, and convict perpetrators are studied.

**Prerequisite(s)** CJ& 101 or instructor permission.

### **CJ 129 - Introduction to Victimology**

**5 Unit(s)** Introductory course examines violent crime and victimology in American society. Factors leading to acquaintance and stranger violence, proactive and reactive strategies to crime, legal issues and self-defense measures studied and discussed.

### **CJ 130 - Domestic Violence and Abuse**

**5 Unit(s)** This course examines physical and sexual domestic violence in our society. This includes spouse/partner abuse and child abuse. Contemporary investigation and intervention strategies and techniques are studied including evidence discover, collection, and preservation.

### **CJ 190 - Cooperative Work Experience**

**1 to 12 Unit(s)** This course allows students to apply classroom knowledge and learning to on-the-job settings. Units are earned for new and continued learning taking place in the work environment. Learning objectives and development of positive work habits are emphasized. **Prerequisite(s)** BTEC 191 (prior or concurrent) or instructor permission.

### **CJ 204 - Reports, Forms & Affidavits**

**5 Unit(s)** Investigative report writing including narratives, police reports, common forms, affidavits, and search warrants. **Prerequisite(s)** WRT 105 or ENGL 99

### **CJ 220 - Mental Illness and the Criminal Justice System**

**5 Unit(s)** Examines mental health issues throughout the criminal justice system, including the history and the extent of mental illness amongst the incarcerated population, the changing view points and laws to accommodate individuals with mental illness and the social and ethical issues that arise for individuals with a mental illness. **Distribution Requirement(s):** Social Science.

### **CJ 223 - Criminal Investigation**

**5 Unit(s)** Covers contemporary issues surrounding

criminal investigation addressing the crime scene, investigative process of crimes against persons, property, vice crimes, and prosecution. It is designed to help students develop a working knowledge of criminal investigation.

### **CJ 224 - Criminal Interviews and Interrogation**

**5 Unit(s)** Basic and intermediate skills required for criminal and forensic interviews and interrogations. Study, practice, role-play, and evaluate the techniques used to elicit factual information from victims, witnesses and suspects in the course of criminal investigations.

### **CJ 225 - Crime Scene Technology**

**5 Unit(s)** Basic and intermediate skills and procedures related to discovery, enhancement, collection and preservation of physical and trace evidence studied and practiced. Conventional fingerprint, bloodstain/blood-spatter and impression recovery techniques examined. Relevant constitutional, case, and statute law studied.

### **CJ 228 - Crime Scene Photography**

**5 Unit(s)** Practical application of basic crime scene photography methods and techniques for criminal investigations studied. Skills designed to capture the details of automobile accidents, misdemeanor, and felony crime scenes are discussed and practiced.

### **CJ& 240 - Introduction to Forensic Science (AE)**

**5 Unit(s)** Introductory course in forensic science examines physical evidence and laboratory analysis in criminal investigations. Skills and procedures required for collection, preservation, and identification of physical evidence are studied. Diagramming of crime scenes is practiced. **ICRC Approved Elective**

## ***Diesel Equipment Technology***

### **DET 102 - Forklift Certification**

**1 Unit(s)** A comprehensive classroom training with practical, and hands-on instruction on forklift operation and safety. Course covers state and federal regulations. For successful completion student must be 18 and pass both practical and hands on exams. Lab fee \$40.

### **DET 105 - Shop Skills/Transmissions I**

**14 Unit(s)** This course introduces essential tools, safety practices, and foundational procedures used in heavy equipment repair. Students learn the operation of mechanical power-transmitting components such as transmissions, differentials, final drives, and clutches. Emphasis is placed on diagnosis, repair, and preventive maintenance, with hands-on lab work reinforcing key drive train and shop concepts.

**Prerequisite(s)** MATH 96 or equivalent with 2.0 or higher.

### **DET 115 - Mobile Elect/Hydr Systems I**

**14 Unit(s)** Students learn key terminology, physical properties, and principles of mobile hydraulic systems through hands-on exercises. The course also introduces fundamental direct current electrical concepts, including batteries, starting and charging circuits, and basic circuitry. Together, these topics build essential knowledge and practical skills for working with hydraulic and DC electrical systems. **Prerequisite(s)** DET 105

### **DET 120 - Internal Combustion Engines I**

**7 Unit(s)** This course covers the operating principles of internal combustion engines. A variety of diesel engines will be disassembled and reassembled with the use of service manuals. Students will be responsible for the complete reassembly and proper operation of their engine. **Prerequisite(s)** DET 105

### **DET 166 - Shop Skills for Welders**

**3 Unit(s)** Develop practical work skills and work habits in the student. Includes safety procedures and practices, proper use and maintenance of common shop equipment and common processes and materials of metal products fabrication and manufacturing. Lab fee \$69.27.

### **DET 205 - Electrical and Engine Sys II**

**14 Unit(s)** Students will examine electrical components and systems, including electronic control modules and advanced direct current troubleshooting, while engaging in laboratory exercises with electronically controlled engines. Additionally, the course will cover diesel engine analysis and testing for optimum performance and longevity. Includes hands-on experience in live engine testing, troubleshooting, and repairs. **Prerequisite(s)** DET 105, DET 115 and DET 120.

### **DET 215 - Transmissions II & Chassis Sys**

**14 Unit(s)** Course content covers heavy-duty chassis and drive train systems used in on- and off-highway equipment. Students learn operation, troubleshooting, repair, and preventive maintenance of steering, suspension, braking, air systems, and drive train components. Emphasis includes industry applications, system design, control systems, and service practices across construction, forestry, mining, marine, agriculture, and trucking. **Prerequisite(s)** DET 105.

### **DET 235 - Mobile HVAC Systems**

**7 Unit(s)** The theory and application of basic principles used in Heating Ventilation and Air Conditioning (HVAC) systems of diesel powered equipment. Lab fee \$87.69.

### **DET 240 - Mobile HVAC & Shop Application**

**14 Unit(s)** This course introduces HVAC theory and application on diesel-powered equipment, including system design, regulations, testing, diagnosis, and repair across major industries. Students practice proper shop procedures, professionalism, and productivity. The lab emphasizes hands-on HVAC and shop skills, where students complete school jobs with efficiency, accuracy, and thorough documentation. **Prerequisite(s)** DET 105.

### **DET 245 - Mobile HVAC & Co-Op Work Exp**

**14 Unit(s)** Course introduces HVAC principles for diesel-powered equipment, including system design, regulations, testing, diagnosis, and repair across major industries. The lab provides hands-on application. Students will also participate in Cooperative Work Experience, applying classroom learning on the job while meeting defined learning objectives through supervised training and completing required seminar coursework. **Prerequisite(s)** DET 105 and BTEC 191.

### **DET 300 - Applied Management**

**5 Unit(s)** Introduces the principles and concepts of effective management including human resource management, quality control, social responsibility, decision making, communication, conflict resolution and customer service. **Prerequisite(s)** Enrollment in BAS-DT or instructor permission.

### **DET 320 - Emissions Control**

**5 Unit(s)** Course content will focus on the theory and application of diesel exhaust emissions reduction technology. Lab fee \$75. **Prerequisite(s)** Enrollment in BAS-DT or instructor permission.

### **DET 325 - Material Science of Fluids**

**5 Unit(s)** Covers: oil, fuel, and coolant properties and functions. Students will perform field sampling and laboratory testing of fluids. Results of testing will be interpreted and explained at a customer level. lab fee \$100. **Prerequisite(s)** Enrollment in BAS-DT or instructor permission.

### **DET 335 - Regulatory Issues**

**5 Unit(s)** Studies the requirements set forth by governing agencies, such as: DOE/EPA, MSHA, OSHA, and Labor and Industries relating to diesel fueled automotive and industrial equipment. **Prerequisite(s)** Enrollment in BAS-DT or instructor permission.

### **DET 345 - Metalwork & Fabrication**

**5 Unit(s)** Apply layout, blueprint, weld symbol interpretation, dimension conversations, welding, machine set-ups and fabrication skills to safely complete metal fabrication projects correctly. **Prerequisite(s)** Enrollment in BAS-DT or instructor permission.

### **DET 355 - Hybrid Drives Electric/Hydraulic**

**5 Unit(s)** Theory and application of gasoline/electric hybrid, diesel/electric hybrid, and diesel/hydraulic hybrid systems as well as commonly used electric drive systems in on and off highway equipment. System maintenance and cost benefit analysis will be covered. Lab fee \$100. **Prerequisite(s)** Enrollment in BAS-DT or instructor permission.

### **DET 365 - Diesel Internship**

**5 Unit(s)** Culminating activity that requires the application of program learning outcomes to a specific job or project. Students will work to attain learning outcomes through activities and deliverables agreed upon between the student, internship provider, and instructor. Lab fee \$74.21. **Prerequisite(s)** Admittance into BAS program or administrator approval, or co-enrolled in MGMT 460 and 25 units of BAS courses. **Corequisite(s):** Co-enrolled in MGMT 460 and 25 units of BAS courses.

### **DET 415 - Electrical III**

**5 Unit(s)** Course content will focus on the theory and application of advanced electrical circuits, schematic reading, and proper troubleshooting techniques. Lab fee \$75. **Prerequisite(s)** Enrollment in BAS-DT or instructor permission.

### **DET 430 - Shop/Fleet Management**

**5 Unit(s)** Introduction and explanation of day-to-day shop processes. Managerial skills, tasks, and responsibilities relevant to the diesel and heavy equipment industry will include: warranties, policies, cores, credits, paper in process, work orders, budgeting, and employee management. Lab fee \$100. **Prerequisite(s)** Enrollment in BAS or instructor permission.

### **DET 435 - Hydraulics II**

**5 Unit(s)** The study and application of complex hydraulic systems with an emphasis on troubleshooting and system design. Lab fee \$75. **Prerequisite(s)** Enrollment in BAS-DT or instructor permission.

### **DET 445 - Combustion Engine Fuels**

**5 Unit(s)** Identify and comprehend a variety of alternative power sources used in internal combustion engines. Power sources to be included are: diesel fuel, bio-diesel, gasoline, ethanol, propane, and CNG fueled engines. Lab fee \$75. **Prerequisite(s)** Enrollment in BAS-DT or instructor permission.

### **DET 455 - Applied Failure Analysis**

**5 Unit(s)** This course focuses on material failures, techniques of failure analysis, and examination/identification of failure root causes. Students will learn to interpret and explain their results to customers. Lab fee \$100. **Prerequisite(s)** Enrollment in BAS-DT or instructor permission.

### **DET 465 - Power Generation Systems**

**5 Unit(s)** Students will operate, maintain, test, and troubleshoot generators and related energized and de-energized components. Emphasizes safe working practices when working around on-site power generation systems. Lab fee \$75. **Prerequisite(s)** Enrollment in BAS-DT or instructor permission.

## ***Drama***

## **DRMA 100 - Applied Drama**

**3 Unit(s)** Provides credit for participation in either the artistic or technical aspects of the college's quarterly play productions. May be repeated for credit.

## **DRMA& 101 - Introduction to Theater (H)**

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

**ICRC Approved Elective**

## **DRMA 103 - Set Design**

**3 Unit(s)** Introduction to the basics of scenic design for the theatre. Students will be introduced to basic drafting and model building. Prior enrollment in DRAM 106 is preferred. Students will work on the concurrent Centralia College Drama production.

**ICRC Approved Elective.**

## **DRMA 105 - Theater History (H)**

**3 Unit(s)** Survey of the major periods in Western drama through study of major representative plays and development of the physical theatre of those periods.

**Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

## **DRMA 106 - Introduction to Stagecraft (AE)**

**3 Unit(s)** Introduction to basic tools, materials, equipment, techniques used in the design and implementation of sets, lighting and sound for the theatre. Students will participate in the design, construction and lighting of the concurrent drama production. **ICRC Approved Elective**

## **DRMA 107 - Beginning Acting (H)**

**5 Unit(s)** Introduction with emphasis on concentration, imagination, movement, and characterization via vocal, physical, emotional exercises, improvisation, and scene work. Students will be expected to attend two plays during the quarter at their own expense. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

## **DRMA 108 - Intermediate Acting (H)**

**5 Unit(s)** Overview of theatre as an art form with emphasis on the play in production and the roles of various theatre artists: actors, directors, designers, and playwrights. This course will also briefly study the

history of theatre and its development to heighten our awareness and appreciation of what constitutes good theatre. This course is primarily lecture and/or small group discussion based. Students enrolled in this class will be expected to attend two plays during the quarter at their own expense. **Prerequisite(s)** DRMA 107 or instructor permission. **Distribution Requirement(s):** Humanities **ICRC Approved Elective**

## **DRMA 110 - Stage Makeup (AE)**

**3 Unit(s)** Introduction to the types of theatrical makeup and the techniques of application. (Academic Elective) Lab fee \$79.02. **ICRC Approved Elective**

## **DRMA 111 - Stage Lighting (AE)**

**3 Unit(s)** Introduction to the basic principles of stage lighting as an integral part of theatrical productions. The course will deal with theories and equipment commonly used in theatre lighting. Students will participate in the drama production. **ICRC Approved Elective**

## **DRMA 115 - Dramatic Performance (H)**

**5 Unit(s)** For students involved in the creative/performance aspects of a play production, from audition through research/preparation for their portrayal and evaluation of their performance. The student must successfully audition and be cast in a college production. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

## **DRMA 118 - Musical Theatre (H)**

**5 Unit(s)** The study of musical theatre, its major works, its significance in theatre history, and role in American culture with an emphasis on production elements and the play in performance. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

## **DRMA 120 - Introduction to Playwriting (H)**

**5 Unit(s)** Study the art and craft of writing for the stage. Students will be required to complete and oversee the production of a short play. Final performances of student works will be presented to the public. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

## **DRMA 130 - Directing (H)**

**5 Unit(s)** An introduction to the theories, methods, and processes of directing a theatrical production. The

course will culminate in the performance of a short play, which will be shown to the public.

**Prerequisite(s)** DRMA& 101, DRMA 107, DRMA 108. **Distribution Requirement(s):** Humanities  
**ICRC Approved Elective**

### **DRMA 141 - Theater Speech (AE)**

**3 Unit(s)** The training of the human voice to develop control. The emphasis is on voice projection, quality and accuracy of sound and articulation of the English language. **ICRC Approved Elective**

### **DRMA 148 - Introduction to Dance (AE)**

**1 Unit(s)** Study the fundamentals of Ballet, Modern, and Jazz dance. Prior dance experience is not necessary. The student will be required to wear casual, comfortable clothing. Students may participate barefoot. Dance shoes are optional. (Academic Elective) Lab fee \$3.15. **ICRC Approved Elective.**

### **DRMA 149 - Introduction to Movement for Theatre (AE)**

**1 Unit(s)** Introduction to dance for Musical Theatre. Prior dance experience is not necessary. The student will be required to wear casual, loose fitting clothing. Students may participate barefoot. Dance shoes are optional. **ICRC Approved Elective**

### **DRMA 150 - Introduction to Modern Dance (AE)**

**1 Unit(s)** Study basic Modern Dance, Latin, and Swing movements. Prior dance experience is not necessary. The student will be required to wear comfortable, loose fitting clothing. Students may participate barefoot. Dance shoes are optional. **ICRC Approved Elective**

### **DRMA 155 - Technical Production I (AE)**

**2 Unit(s)** This course is an introduction to the technical aspects and procedures specific to setting up and running live entertainment. **ICRC Approved Elective**

### **DRMA 201 - Advanced Acting (H)**

**5 Unit(s)** Continued study of acting; character analysis, scene interpretation and classical styles. Students will be expected to attend two plays at their own expense and will be responsible for the presentation of a children's theatre production.  
**Prerequisite(s)** DRMA 108 or instructor permission  
**Distribution Requirement(s):** Humanities, **ICRC**

## **Approved Elective**

### **DRMA 205 - Contemporary World Theatre (AE)**

**3 Unit(s)** Introduces contemporary world theatre using the theatrical productions of the Pacific NW regional theatres and the Broadway theatres of NY City. Travel to and study these productions. Visits to additional cultural events/locales will be included.  
**ICRC Approved Elective**

### **DRMA 210 - Multicultural Theatre (H)**

**5 Unit(s)** An introduction to the dramatic literature and contemporary theatre practices of people of color; the study of the intersections of cultures in American society as portrayed in American theatre and performance. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective.**

### **DRMA 215 - Improvisational Theatre (AE)**

**3 Unit(s)** An introduction to the theories, methods, and processes of improvisational theatre. Students will apply what they learn and perform an improvised piece of theatre at the end of the quarter for the public.  
**ICRC Approved Elective**

## *Economics*

### **ECON& 201 - Microeconomics (SS)**

**5 Unit(s)** Microeconomics is the study of households and firms and how they interact in markets under varying degrees of competition. **Distribution Requirement(s):** Social Science **ICRC Approved Elective**

### **ECON& 202 - Macroeconomics (SS)**

**5 Unit(s)** Macroeconomics is the study of how any system allocates limited resources to meet unlimited wants. Major concerns of macroeconomic policy are: inflation, full employment, national income accounting, fiscal policy, the money supply and trade. **Distribution Requirement(s):** Social Science, **ICRC Approved Elective**

### **ECON 305 - Managerial Economics (SS)**

**5 Unit(s)** This class applies the principles of microeconomics to management decisions. Topics include consumer theory, supply & demand, efficiency, elasticity along with how firms contend with costs and competition. **Prerequisite(s)**

Admission into BAS program or instructor permission; lower division Social Science course.

**Distribution Requirement(s):** Social Science. **ICRC Approved Elective**

## ***Education***

### **EDUC& 101 - Paraeducator Basics**

**3 Unit(s)** An introduction to roles and responsibilities of the Paraeducator in the K-12 educational system. Students will explore techniques supporting instruction, professional and ethical practices, positive and safe learning environments, effective communication and teamwork.

### **EDUC& 115 - Child Development (SS)**

**5 Unit(s)** Build foundation for explaining how children develop in all domains, conception through early adolescence. Explore various developmental theories, methods for documenting growth, and impact of brain development. **Prerequisite(s)** Co-enrollment or previous enrollment in an ECE/EDUC course **Distribution Requirement(s):** Social Science **ICRC Approved Elective**

### **EDUC& 130 - Guiding Behavior**

**3 Unit(s)** Examine the principles and theories promoting social competence in young children and creating safe learning environments. Develop skills promoting effective interactions while providing positive individual guidance and enhancing group experiences.

### **EDUC& 136 - School Age Care**

**3 Unit(s)** Develop skills to provide developmentally appropriate and culturally relevant activities/care for children ages 5-12 in a variety of settings.

### **EDUC& 150 - Child, Family, Community**

**3 Unit(s)** Integrate the family and community contexts in which a child develops. Explore cultures and demographics of families in society, community resources, strategies for involving families in the education of their child, and tools for effective communication.

### **EDUC 190 - Cooperative Work Experience**

**1 to 12 Unit(s)** Cooperative Work Experience allows students to apply classroom learning to on-the-job

settings. Credit is earned for new and continued learning taking place in the work environment. Reaching set learning objectives and development of positive work habits are emphasized. **Prerequisite(s)** Instructor permission

### **EDUC& 201 - Introduction to Education (AE)**

**3 Unit(s)** Explore the role of education in our society and investigate teaching as a career. Both the historical perspective and current trends in education will be discussed. **ICRC Approved Elective**

### **EDUC 202 - Classroom Observation**

**2 Unit(s)** Students review teaching as a career. Students observe classrooms in action and attend seminars to discuss their findings. Students may make arrangements with the instructor to start observations before quarter begins.

### **EDUC& 203 - Exceptional Child**

**3 Unit(s)** Explains the role of Special Education in education systems. Provides techniques to work with the exceptional child in the classroom. Topics include exceptionality in all areas of development, diagnosis, communication, and working with family structures.

### **EDUC& 204 - Exceptional Child**

**5 Unit(s)** Introductory course in recognition and identification of exceptionality in children from birth through high school (age 21).

### **EDUC& 205 - Introduction to Education with Field Experience (AE)**

**5 Unit(s)** An overview of education in America including history, purpose, philosophies, characteristics, social aspects and current issues. Exploration of teaching as a profession in the K-12 system. Includes 30 hours in K-12 classroom. Lab fee \$18.19. **ICRC Approved Elective**

### **EDUC 300 - Introduction SPED**

**3 to 5 Unit(s)** This course provides an introduction to the terminology, identification, and issues when addressing the needs of diverse students with disabilities. **Prerequisite(s)** Admission in BAS-TE program or administrator approval.

### **EDUC 315 - Teaching Science**

**5 Unit(s)** While reviewing fundamental content in

life, earth, physical and space sciences, participants will develop skills for integrating Next Generation Science Standards into highly engaging, relevant, and age appropriate STEM or STEAM lessons.

**Prerequisite(s)** Admission in BAS-TE program or administrator approval.

### **EDUC 320 - Social Emotional Teaching and Learning**

**5 Unit(s)** Develop skills for teaching SEL (Social Emotional Learning) to students from kindergarten to 8th grade. Using theory, research, and practice, students will engage with components such as self-awareness, self-management, self-efficacy, social awareness, social management, social engagement, brain-based instructional strategies, trauma-informed SEL, and local SEL curriculum. **Prerequisite(s)** Admission in BAS-TE program or administrator approval.

### **EDUC 330 - Technology and Teaching**

**2 Unit(s)** This course focuses on various educational technologies, ranging from classroom equipment to online learning management systems, with a particular focus on students' physical and emotional safety. **Prerequisite(s)** Admission in BAS-TE program or administrator approval

### **EDUC 335 - Teaching Art & Movement**

**3 Unit(s)** Students examine current theory, research, and best practices related to the arts and movement. Instruction will include employing strategies for integrating the arts and an appreciation for the arts across and within content areas. **Prerequisite(s)** Admission in BAS-TE program or administrator approval

### **EDUC 345 - Language Arts and Development**

**3 Unit(s)** Examine the methods for teaching writing, reading, listening, and speaking strategies and skills, including vocabulary, grammar, usage, and language development. **Prerequisite(s)** Admission in BAS-TE program or administrator approval.

### **EDUC 350 - Diversity in Students**

**3 Unit(s)** Using theory, research, and practice, students will understand and recognize issues of diversity. Behavioral supports will be assessed relative to vulnerable, special, and minority

populations. Topics include race, ethnicity, gender, class, sexuality, disability, and age. **Prerequisite(s)** Admission in BAS-TE program or administrator approval.

### **EDUC 351 - Issues of Abuse**

**3 Unit(s)** Develop skills for working with children from abusive and/or neglectful home environments, including potential behavioral consequences of abuse or neglect and corresponding intervention strategies. **Prerequisite(s)** Admission in BAS-TE program or administrator approval.

### **EDUC 355 - Emergent Reading**

**5 Unit(s)** Explores reading, comprehension, and literacy as it pertains to beginning readers. **Prerequisite(s)** Admission in BAS-TE program or administrator approval.

### **EDUC 360 - Assessment and Evaluation**

**6 Unit(s)** Participants will explore principles of sound formative and summative assessment using best grading practices. Participants will design assessments and practice providing feedback while involving their students in that process. In addition, there is a 33-hour field experience requirement where students will analyze and apply content learned in this course. **Prerequisite(s)** Admittance into BAS-TE program.

### **EDUC 365 - Intermediate Reading**

**3 Unit(s)** Explores reading, comprehension, and literacy as it pertains to intermediate readers. **Prerequisite(s)** Admission in BAS-TE program or administrator approval.

### **EDUC 370 - Support: Child & Family**

**3 Unit(s)** Study techniques for communicating with families and professionals about characteristics and needs of individuals with differing abilities. Strategies for collaborating with families, recognizing and respecting family, cultural, and societal diversity. Identify local resources. **Prerequisite(s)** Admission in BAS-TE program or administrator approval.

### **EDUC 380 - Typical & Atypical Child Development**

**5 Unit(s)** Examine typical and atypical development. Identify characteristics of differing abilities, including physical or medical needs and effects disabilities have

on educational implications and individual and family lives. **Prerequisite(s)** Admission in BAS-TE program or administrator approval

### **EDUC 385 - SPED Assessment**

**3 Unit(s)** This course provides potential special education teachers with knowledge and experience in assessment issues as they relate to students with disabilities. **Prerequisite(s)** Admission in BAS-TE program or administrator approval.

### **EDUC 400 - Education and the Law**

**3 Unit(s)** Examine educational law emphasizing rights and responsibilities of students and teachers, and current issues of education and special education. Explore current legislation, issues, and trends related to schools and special education. **Prerequisite(s)** Admission in BAS-TE program or administrator approval.

### **EDUC 410 - Exceptional Learners**

**5 Unit(s)** This course will identify effective, research-based instructional strategies, accommodations, and adaptations for learners with diverse academic and behavioral needs. Participants will demonstrate how to make data-based decisions informed by multiple measures of evidence. **Prerequisite(s)** Admission in BAS-TE program or administrator approval.

### **EDUC 420 - Curriculum & Instruction**

**5 Unit(s)** Explore a variety of evidence-based instructional strategies for successful education of students with differing social and cultural backgrounds and learning styles. Plan and implement class activities that involve students in an active learning environment. Lab fee \$25. **Prerequisite(s)** Admission in BAS-TE program or administrator approval.

### **EDUC 421 - Classroom Management**

**6 Unit(s)** Students will examine current research and best practices related to classroom management. They will apply strategies for managing individual and group behavior in a variety of settings. In addition, there is a 33-hour field experience requirement where students will analyze and apply content learned in this course. **Prerequisite(s)** Admittance into BAS-TE program.

### **EDUC 480 - SPED Seminar**

**1 Unit(s)** Students will work toward completing and documenting field tasks required for student teaching, certification, and the Special Education Portfolio as dictated by the state. Course requisite: admittance into BAS program or administrator approval. Lab fee \$67. **Prerequisite(s)** Admission in BAS-TE program or administrator approval

### **EDUC 484 - Pre-Residency Clinical**

**2 Unit(s)** Each weekly in-class session will provide directions on the field assignment for that specific week. Course participants spend 33 hours in the field, implementing current theory, research, and best practices related to their comprehensive program learning thus far. **Prerequisite(s)** Admittance into BAS-TE program or administrator approval.

### **EDUC 490 - Student Teaching SPED**

**10 Unit(s)** Supervised instructional experience to develop, implement, practice, and evaluate theory and methods learned. Students will meet one on one or in small groups with supervising faculty. **Corequisite(s):** EDUC 497 with a 2.0 or higher.

### **EDUC 497 - Student Teaching Elem 1**

**10 Unit(s)** Supervised instructional experience to develop, implement, practice, and evaluate theory and methods learned throughout program coursework. Students must participate in this field experience and pass the program final. Lab Fee \$106.25. **Prerequisite(s)** completion of 45 credits of upper division EDUC courses.

### **EDUC 498 - Student Teaching Elementary 2**

**10 Unit(s)** Supervised instructional experience to develop, implement, practice, and evaluate theory and methods learned in BAS-TE program. Lab fee \$100. **Prerequisite(s)** ENGL&102; 2.0 or higher in all prior EDUC courses.

## ***Education-Early Childhood***

### **ECED 104 - Trauma Informed Care**

**2 Unit(s)** After assimilating new and known understandings of trauma, student will apply their work and perspective regarding trauma-informed care to their work with children and families. This course could be eligible for DCYF's Trauma-Informed Care

financial incentive award to eligible providers through the Fair Start for Kids Act.

### **ECED& 100 - Child Care Basics**

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

### **ECED& 105 - Introduction Early Child Education (SS)**

**5 Unit(s)** Explore the foundations of early childhood education. Examine theories defining the field, issues, trends, best practices, and program models. Observe children, professionals and programs in action. Lab fee \$25. **Distribution Requirement(s):** Social Science **ICRC Approved Elective**

### **ECED& 107 - Health/Safety/Nutrition**

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

### **ECED& 120 - Practicum-Nurturing Relationships**

**2 Unit(s)** In an early learning setting, engage in establishing nurturing, supportive relationships with all children and professional peers. Focus on children's health and safety, promoting growth and development, and creating a culturally responsive environment. Lab fee \$12.

### **ECED& 132 - Infant/Toddler Care**

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

### **ECED& 134 - Family Child Care**

**3 Unit(s)** Learn the basics of home/family child care program management. Topics include licensing requirements; business management, relationship building, health, safety, and nutrition, guiding behavior and promoting growth and development.

### **ECED& 137 - Outdoor Learning for Young Children**

**3 Unit(s)** An exploration of nature-based, outdoor learning experiences for all young children. Students will identify the benefits of outdoor learning for children, learn about the teacher's role in supporting learning in the outdoor learning environment, consider adult comfort levels with outdoor experiences, and examine risk-taking as a part of learning.

### **ECED& 138 - Home Visiting & Family Engagement**

**3 Unit(s)** Plan and provide home visits and group activities. Promote secure parent-child relationships. Support families to provide high-quality early learning opportunities embedded in everyday routines and experiences.

### **ECED& 139 - Administration of Early Childhood Education**

**3 Unit(s)** Develop administrative skills required to develop, operate, manage and improve early childhood education and care programs. Acquire basic business management skills. Explore resources and supports for meeting Washington State licensing and professional NAEYC standards.

### **ECED& 160 - Curriculum Development**

**5 Unit(s)** Investigate learning theory, program planning, tools and methods for curriculum development promoting language, fine/gross motor, social-emotional, cognitive and creative skills and growth in children birth through age 8 utilizing developmentally appropriate and culturally responsive practice. Lab fee \$20.

### **ECED& 170 - Environments-Young Child**

**3 Unit(s)** This class focuses on the adult's role in designing, evaluating, and improving indoor and outdoor environments that ensure quality learning, nurturing experiences, and optimize the development of young children. Lab fee \$20.

### **ECED& 180 - Language/Literacy Development**

**3 Unit(s)** Teaching strategies for language acquisition and literacy skill development are examined at each developmental stage (birth-age 8) through the four interrelated areas of speaking, listening, writing, and reading.

## **ECED 181 - Lang/Literacy**

**5 Unit(s)** Create teaching strategies for language acquisition and literacy skills at each developmental stage (birth-8) through the four interrelated areas of listening, speaking, writing, and reading.

## **ECED& 190 - Observation & Assessment**

**3 Unit(s)** Collect and record observation and assessment data in order to plan for and support the child, the family, the group and the community. Practice reflection techniques, summarizing conclusions, and communicating findings.

## **ECED 233 - ECE Practicum 2**

**5 Unit(s)** Develop a professional understanding of teaching methods and practices with an opportunity to evaluate teaching skills and learning environment. Must have completed at least 30 credits in ECE or have instructor permission. Lab fee \$18.19.  
**Prerequisite(s)** Must have completed at least 30 credits in ECE or have instructor permission.

## ***Electronics, Robotics, Automation***

### **ERA 101 - Electronics Assembly**

**5 Unit(s)** Techniques of electronics assembly using through-hole and surface mount components. Schematics and computer aided design will be studied. Heavy emphasis placed on personal and component safety and Electro-Static Discharge (ESD). Lab fee is \$83.75.

### **ERA 117 - Adv AC/DC Electronics**

**4 Unit(s)** Advanced theorems, analysis and troubleshooting of Direct and Alternating Current. Devices including inductors and variable resistors and capacitors will be studied. Circuit simplification theorems will be studied and demonstrated. Lab fee \$67. **Prerequisite(s)** MEC 116 or ERA 116.

### **ERA 119 - Introduction to Industrial Systems**

**3 Unit(s)** This course will cover the basics of modern industrial systems. Students will learn about the different components that work together to produce a physical product or system from its conception to being delivered to the customer. Lab fee \$50.

### **ERA 170 - Solid State Devices**

**4 Unit(s)** Application of circuits using solid state

electronic devices will be studied. Course content will include diodes, transistors, solid state relays, operational amplifiers and their respective applications in sensory and device control circuits. Lab fee \$25. **Prerequisite(s)** ERA 115

### **ERA 212 - Digital Electronics**

**4 Unit(s)** Digital logic systems and devices, boolean and hexadecimal numbering systems, combinational logic sequences and application of logic systems. Lab section emphasizes safety and electro-static discharge avoidance. Lab fee \$29.61. **Prerequisite(s)** MATH 115, ERA 115

### **ERA 230 - Robotic Controllers**

**4 Unit(s)** Introduction to robotic control systems and input/output processing. Platforms studied will include microcontrollers, computer numerically controlled (CNC) machines, various types of motor drive controllers and integration of input devices and sensors into algorithms to drive outputs. Lab fee is \$25. **Prerequisite(s)** TMATH 122

### **ERA 235 - Communication Systems**

**3 Unit(s)** Survey of communication systems used in electronics. Wired systems will include Serial, Parallel, Ethernet, fiber optic, industrial communication protocols and others. Wireless systems will include RF, IR, Bluetooth and wi-fi including basic applications in robotics. Lab fee is \$50.25.

### **ERA 240 - Amplifiers**

**5 Unit(s)** Amplifier applications in audio and industrial settings. Topics will include small and large signal voltage and current amplifiers, analog and solid state configurations and applications to audio, sensing and measurement, and digital comparison circuits. Lab fee is \$30. **Prerequisite(s)** ERA 170.

### **ERA 252 - Data Processing for Automation**

**3 Unit(s)** Introduction to retrieving, storing, processing and reporting data from input devices common to an industrial setting. A heavy emphasis will be placed on MS spreadsheet and database applications. Lab fee is \$20. **Prerequisite(s)** ERA 121 and ERA 170.

### **ERA 276 - ERA Capstone**

**4 Unit(s)** Class will cover systematic design process, project management, and lean manufacturing principles through research and product development. Students will put these principles into practice by designing a prototype of a system that will provide a solution to a community/industry need/challenge. Students will be required to supply project proposals, plans, budgets, report, and a final prototype.

**Prerequisite(s)** Instructor permission

## *Engineering*

### **ENGR 100 - Introduction to Engineering**

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

### **ENGR 203 - Applied Numerical Methods (AE)**

**5 Unit(s)** Numerical solutions to engineering and science problems using modern scientific computing tools. Application of mathematical judgment in selecting computational algorithms and communicating results. Introduction to MATLAB programming for numerical computation.

**Prerequisite(s)** MATH& 152 (MATH 118 recommended) or instructor permission. **ICRC Approved Elective**

### **ENGR& 111 - Engineering Graphics I (AE)**

**2 Unit(s)** Introduces the basic concepts of engineering graphics through freehand sketching and computer-aided drafting. Includes orthographic projection, section and auxiliary views, dimensioning and text. **ICRC Approved Elective**

### **ENGR& 112 - Engineering Graphics II (AE)**

**3 Unit(s)** Continuation of ENGR& 111. Emphasizes basic concepts of engineering graphics in CAD-based descriptive geometry applications. The latter part of the course covers a variety of 3-D modeling techniques and solid mass properties extraction. AUTOCAD software is used as the primary CAD-tool. **Prerequisite(s)** ENGR& 111 or equivalent, MATH 111, or permission of instructor. **ICRC Approved Elective**

### **ENGR& 204 - Electrical Circuits (AE)**

**5 Unit(s)** An introduction to basic electrical circuits

and systems. Topics include: basic analysis techniques; nodal and mesh analysis; Thevenin and Norton equivalent circuits; operational amplifiers; step, natural and steady state circuit response.

Concurrent enrollment in MATH 212 is recommended. **Prerequisite(s)** MATH& 152 and PHYS& 222 **ICRC Approved Elective**

### **ENGR& 214 - Statics (AE)**

**5 Unit(s)** First of a three-course sequence. The basic principles of vector statics; friction, analytical and graphical methods of solving force systems including frames, trusses, and other simple mechanisms; centroids and moments of inertia; chains and cables.

**Corequisite(s):** MATH& 151, **ICRC Approved Elective**

### **ENGR& 215 - Dynamics (AE)**

**5 Unit(s)** Second of a three-course sequence includes the study of kinematics and kinetics of a particle, work-energy, impulse-momentum, relative motion, and rigid-body mechanics. Vector methods will be stressed throughout. **Prerequisite(s)** MATH& 152 **ICRC Approved Elective**

### **ENGR& 225 - Mechanics of Materials (AE)**

**5 Unit(s)** The last of a three-course sequence. Includes the study of stress, strain, and deflection in beams, columns, machine and structural members. Includes bending moments, shear, torsion, deformation, unsymmetrical bending, and eccentric loading. **Prerequisite(s)** ENGR& 214 **ICRC Approved Elective**

### **ENGR 270 - Research In Engineering (AE)**

**12 Unit(s)** Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. **Prerequisite(s)** Instructor permission, **ICRC Approved Elective**

## *English*

### **ENGL 98 - Fundamentals of English 1**

**5 Unit(s)** Study fundamentals of writing, such as grammar, sentence structure, punctuation, and development while also learning about the writing process and developing resourcefulness.

**Prerequisite(s)** Students must meet mandatory placement requirements to enroll

## **ENGL 99 - Fundamentals of English 2**

**5 Unit(s) Prerequisite(s)** Students must meet mandatory placement requirements to enroll. Study a variety of college-level prose forms while working on grammar, mechanics, essay structure and development, effective wording, style, and information literacy.

## **ENGL& 101 - English Composition I (C)**

**5 Unit(s)** An expository writing course encouraging students to think and write with clarity and conciseness; to organize and develop their ideas; and to express themselves sharply, economically, and grammatically. Students must meet mandatory placements to enroll in ENGL& 101. **Prerequisite(s)** Placement into ENGL& 101 or 2.0+ in 5 units of ENGL 99, WRT 105, or BTEC 221 **Distribution Requirement(s):** Communication, **ICRC Approved Elective**.

## **ENGL& 102 - Composition II (C)**

**5 Unit(s)** A course in argumentative and persuasive writing, methods of research, development and preparation of original source-based papers and projects. **Prerequisite(s)** Completion of ENGL& 101 with a minimum grade of 2.0. **Distribution Requirement(s):** Communication, **ICRC Approved Elective**

## **ENGL& 111 - Introduction to Literature (H)**

**5 Unit(s)** Introduces the major genres, techniques, and themes of literature by examining the work of a variety of classic and contemporary authors. Students will read critically and respond thoughtfully in regard to how literature reflects the individual as well as the culture and society in which it is written. **Distribution Requirement(s):** Humanities

## **ENGL& 113 - Intro to Poetry (H)**

**5 Unit(s)** A study of modern poetry from the mid-nineteenth century to the present, examining major poets' writing in English as well as influential works in translation, with attention to poets' lives, contexts, and artistic influences. **Prerequisite(s)** College-level reading and writing skills. Placement into ENGL& 101 or complete of 5 units of ENGL 099 with +2.0 **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

## **ENGL& 114 - Introduction to Dramatic Literature (H)**

**5 Unit(s)** Survey of dramatic literature from classical Greek to modern plays, emphasizing basic elements of plot, character, language, and the traditional genres of tragedy and comedy. Students will attend two plays at their own expense. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

## **ENGL 160 - Women's Literature (H)**

**5 Unit(s)** Examines literature written by women to understand how gender, race, and class shape their experience and writing. Genres will include poetry, short stories, non-fiction, fiction, and drama. College-level reading and writing skills expected. **Prerequisite(s)** College-level reading and writing skills. Placement into ENGL& 101 OR completion of 5 units of ENGL 099 with 2.0+ OR completion of ENGL& 111 with 2.0+. **Distribution Requirement(s):** Humanities

## **ENGL 180 - Short Fiction (H)**

**5 Unit(s)** Explores how short stories represent subgenres such as horror, satire, romanticism, science fiction, magical realism. Students learn to analyze techniques such as imagery, narrative voice, exposition, characterization, and apply them in developing their own short story. **Prerequisite(s)** College-level reading and writing skills; placement into ENGL& 101 OR completion of 5 credits of ENGL 099 with 2.0+ OR completion of ENGL& 111 with 2.0+. **Distribution Requirement(s):** Humanities

## **ENGL 204 - Introduction to Shakespeare (H)**

**5 Unit(s)** Learn about the life, times and works of William Shakespeare, how Elizabethans' likes and dislikes, superstitions, and social order influenced this golden age of the theatre by studying six of the Bard's 37 plays. **Distribution Requirement(s):** Humanities **ICRC Approved Elective**

## **ENGL 208 - Introduction to Creative Writing (H)**

**5 Unit(s)** Writers will explore and write within various literary genres, which may include poetry, creative nonfiction, short fiction, drama, or hybrid work. Writers will be encouraged to strengthen their writing through participation in workshop, revision, and preparation for performance and/or publication of their work. **Distribution Requirement(s):**

Humanities, **ICRC Approved Elective**

**ENGL 209 - The Hero's Quest: Survey of English Literature, 7th Century to 1616 (H)**

**5 Unit(s)** Surveys how medieval and early Renaissance English writers explored issues like the relationship between rulers and subjects, God and free will, and the war between the sexes. Covers the Beowulf poet, Chaucer, Shakespeare, and more. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

**ENGL 210 - The Crisis of Faith: Survey of English Literature, 1616-1798 (H)**

**5 Unit(s)** Surveys late Renaissance through Enlightenment writers like John Donne, Ben Johnson, Andrew Marvell, John Milton, Daniel Defoe, Jonathan Swift, Alexander Pope, and Samuel Johnson, emphasizing how writers reflected social concern about faith, politics, and gender roles. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

**ENGL 211 - Survey of English Literature: 1798 - Present (H)**

**5 Unit(s)** This survey studies how, amid political, technological, religious, and artistic ferment, English literature was transformed by the Romantic poets, the rise of the Victorian novel, and the innovations of modern fiction, drama, and poetry. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

**ENGL 222 - Screenwriting (H)**

**5 Unit(s)** An introduction to the theories, methods, and processes of writing a screenplay. Students will apply what they learn and complete a full-length screenplay at the end of the quarter. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

**ENGL 233 - Children's Literature (D) (H)**

**5 Unit(s) Prerequisite(s)** College-level reading and writing skills. Placement into ENGL& 101 or completion of 5 units of ENGL 99 with a 2.0+ recommended. **Distribution Requirement(s):** Humanities, Diversity **ICRC Approved Elective** Examines the diverse body of literature written for children and adolescents, plus techniques used to read

aloud to children. Classics and contemporary works will be approached chronologically and thematically.

**ENGL& 235 - Technical Writing (C)**

**5 Unit(s)** An alternative to ENGL& 102 for science and engineering majors, focused on writing with clarity, objectivity, audience awareness, and proper formats, as well as research techniques, problem-solving, critical thinking, and development of source-based writing. **Prerequisite(s)** Completion of ENGL& 101 with minimum grade of 2.0. **Distribution Requirement(s):** Communication **ICRC Approved Elective.**

**ENGL& 244 - American Literature I (H)**

**5 Unit(s)** Surveys three American literary movements: Puritans, Colonialists, and American Renaissance/Transcendentalism. Examines rise of a distinctly American literature, focusing on themes of faith, work, self government, race and gender. **Prerequisite(s)** ENGL& 101 with 2.0 or better or instructor permission. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

**ENGL& 245 - American Literature II (H)**

**5 Unit(s)** American literature from Civil War to World War I: Gilded Age of industry/capital, labor movement, postwar race relations, westward expansion, gender issues/ suffrage, shift from romanticism to realism/naturalism in prose and poetry. **Prerequisite(s)** ENGL& 101 w/2.0 or better or instructor permission. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

**ENGL& 246 - American Literature III (H)**

**5 Unit(s)** Surveys development and diversification of American literature from Roaring 20s to the present, including modernist innovations in poetry/prose, the Beats, Harlem Renaissance, Latino/a, Native American, feminist, environmental, science, and dystopian fictions. **Prerequisite(s)** ENGL& 101 w/2.0 or better or instructor permission. **Distribution Requirement(s):** Humanities

**ENGL 249 - The Great American Novel (H)**

**5 Unit(s)** Explore development of the American novel, its major themes and stylistic techniques, focusing on classics by writers like Hawthorne,

Melville, Twain, Chopin, Hemingway, Faulkner, Morrison, as well as evaluating contemporary works.

**Prerequisite(s)** ENGL& 101 with 2.0 or better or instructor permission. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

### **ENGL 250 - Literary Themes (H)**

**5 Unit(s)** A major theme is followed through important texts in genres such as fiction, creative nonfiction, poetry, or drama. Themes vary depending on the instructor and the term in which it is offered.

**Prerequisite(s)** College-level reading and writing skills. **Distribution Requirement(s):** Humanities **ICRC Approved Elective**

### **ENGL 251 - Science Fiction (H)**

**5 Unit(s)** Surveys how science fiction as genre addresses topics such as space exploration, alien encounters, robots/AI, posthumanism, gender, evolution, time travel, dystopia/utopia. Explores techniques such as novum, exposition, imagery, characterization, narrative time. **Prerequisite(s)** Placement into ENGL& 101 OR completion of 5 credits of ENGL 099 with 2.0+ OR completion of ENGL& 111 with 2.0+.

**Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

### **ENGL 260 - Non-Western World Literature (H)(D)**

**5 Unit(s)** Literature of the non-western world, ancient times to the present: Middle East, India, Africa, China, Japan, Americas focusing on how literature expresses these cultures' spiritual traditions, political values, gender issues, environmental beliefs.

**Prerequisite(s)** ENGL& 101 with 2.0 or better or instructor permission. **Distribution Requirement(s):** Humanities, Diversity, **ICRC Approved Elective**

### **ENGL 271 - Intermediate Creative Writing (H)**

**5 Unit(s)** Students will hone and focus their creative invention, workshopping, revision, and editing skills while working on a single fiction or creative nonfiction project. **Prerequisite(s)** ENGL& 101 and ENGL 208 or instructor approval **Distribution Requirement(s):** Humanities **ICRC Approved Elective.**

### **WRT 105 - Writing In The Workplace**

**5 Unit(s).** Study a variety of workplace communications, along with proper use of grammar, sentence structure, mechanics and vocabulary within those communications. **Prerequisite(s)** 5 units of ENGL 98 or higher with 2.0+ or minimum placement score for ENGL 099/WRT 105

## *Environmental Science*

### **ENVS& 100 - Survey of Environmental Science (NS)**

**5 Unit(s)** An interdisciplinary course for non-science majors and beginning science students. Topics include biodiversity, climate, pollution, energy and food. Independent laboratories and field trips included. Students cannot receive credit for both ENVS& 100 and ENVS& 101. **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

### **ENVS& 101 - Intro to Env Science W/Lab (NS)**

**5 Unit(s) Distribution Requirement(s):** Natural Science **ICRC Approved Elective**

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

### **ENVS 170 - Natural Resources Mgmt (NS)**

**5 Unit(s)** What are Pacific Northwest forests, fishes and wildlife? Learn some common species, historical human uses, what policies drive their management, how to conserve them for future use, and how to plan for a career in the field. **Distribution Requirement(s):** Natural Science **ICRC Approved Elective**

### **ENVS 440 - Environmental Issues (NS)**

**5 Unit(s)** An exploration of environmental issues and their effect on business, communities and consumers. Case studies are used to examine basic concepts of ecology and environmental science as they relate to permitting and other business decisions. **Prerequisite(s)** Enrollment in BAS-AM or by permission **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

## *Geography*

## **GEOG& 200 - Human Geography (SS)**

**5 Unit(s)** Introduction to basic geographical concepts, with an emphasis on interrelationships of people and their physical and cultural environments. Course will satisfy requirements for elementary education majors and meet state-mandated Essential Academic Learning Requirements for geography. **Distribution Requirement(s):** Social Science, **ICRC Approved Elective**

### *Geology*

## **GEOL& 101 - Introduction Physical Geology (NS)**

**5 Unit(s)** Introduces the study of the Earth, fundamental geologic principles, and physical processes acting within and upon the Earth, with an emphasis on mountains, volcanoes, earthquakes, and rock and mineral identification. Field trip(s) required. Includes lab. Lab fee \$28.36. **Distribution Requirement(s):** Natural Science **ICRC Approved Elective**

## **GEOL 102 - Earth Surface Processes (NS)**

**5 Unit(s)** Introduces the processes that shape Earth's landscape. Includes the study of mass wasting, river dynamics, groundwater sources, glacial landforms, deserts, and coastal processes. One of more field trips may be required. Includes lab. Lab fee \$27.10. **Corequisite(s):** MATH 098 **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

## **GEOL& 103 - Historical Geology W/Lab (NS)**

**5 Unit(s)** Evolution of Earth and life as interpreted through the fossil and rock record. Includes fossils, relative and numerical-age dating, stratigraphic principles, global change, and the geologic history of the North American continent. Includes lab. Lab fee \$22.26. **Distribution Requirement(s):** Natural Science **ICRC Approved Elective**

## **GEOL 106 - Survey of Earth Sciences (NS)**

**5 Unit(s)** Study of Earth as a diverse system of interconnected processes. Explores topics in: geology, oceanography, atmospheric science, and astronomy with an emphasis on the interactions between humans and Earth. Includes lab. Lab fee \$10. **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

## **GEOL 108 - Natural Hazards & Catastrophes (NS)**

**5 Unit(s)** An examination of earth materials and processes through the study of earthquakes, volcanoes, landslides, floods, tsunamis, hurricanes, tornadoes, wildfires, and meteorite impacts. Examination of causes and effects on human populations and the environment; preparedness, prediction and forecasting; mitigation of risks, and case studies. Lab fee \$28.36. **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

## **GEOL 270 - Research in Geology (AE)**

**1 to 12 Unit(s)** Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33 hours of activity per quarter. **Prerequisite(s)** Instructor permission. **ICRC Approved Elective**

### *Health*

## **HLTH 120 - Women's Health Issues (HF)**

**3 Unit(s)** An opportunity to examine current women's health and well-being issues. Lab fee \$3.10. **Distribution Requirement(s):** Health & Fitness.

## **HLTH 130 - Health & Wellness (HF)**

**3 Unit(s)** An exploration of current personal health issues and a presentation of contemporary approaches to obtaining and maintaining a high level of wellness. Lab fee \$3.10. **Distribution Requirement(s):** Health & Fitness.

## **HLTH 140 - Exercise & Nutrition (HF)**

**3 Unit(s)** The two core components of a healthy lifestyle--a healthy diet and a safe exercise program--will be explored and developed. Students will be expected to exercise on their own. Lab fee \$3.10. **Distribution Requirement(s):** Health & Fitness.

## **HLTH 141 - Global Health Issues (D) (HF)**

**3 Unit(s)** Introduction to global health issues, with a current events focus. Explore factors impacting the health of people around the world, including biological, socio-economic and environmental factors. Examine issues of water, disease, nutrition, and maternal-child health. **Distribution Requirement(s):** Health & Fitness, Diversity

### **HLTH 143 - Stress Management (HF)**

**2 Unit(s)** Understand how stress can impact quality of life. Learn methods for identifying stressors and strategies to effectively manage them. Construct a personalized stress management program.

**Distribution Requirement(s):** Health & Fitness.

### **HLTH 145 - Safety & Fitness (HF)**

**3 Unit(s)** The course emphasizes the importance of safety, first aid, and exercise as they relate to an individual's level of health and fitness. The course includes the American Heart Association Heartsaver First Aid/CPR and AED certification. Lab fee \$47.49.

**Distribution Requirement(s):** Health & Fitness.

### **HLTH 154 - Community First Aid & CPR**

**1 Unit(s)** Basic First Aid/CPR/AED class covering critical skills needed to respond to and manage first aid, choking or sudden cardiac arrest emergencies in the first few minutes until emergency medical services (EMS) arrives. Lab fee \$44.23.

### **HLTH 159 - Anatomy & Terminology for EMT's**

**1 Unit(s)** Provide EMT students with a basic understanding of basic anatomy, functions of the human body, and medical terminology. Topics include: anatomic definitions, initial medical terminology, skeletal system, circulatory system, respiratory system, and the nervous system. Lab fee \$26.35.

## ***High School Equivalent***

### **HSE 001 - Portfolio & English Level 5**

**1 to 10 Unit(s)** SBCTC High School 21 Degree class demonstrating English competency through student self-evaluation of prior education, previous and current employment, and life experiences -in fulfillment of one's high school degree competencies or GED. **Prerequisite(s)** CASAS score 236-245.

### **HSE 002 - CWP, Environmental Science, English Level 5**

**1 to 10 Unit(s)** SBCTC High School 21 Degree integrated reading writing class demonstrating English competency through the study of CWP's and Environmental Science -in fulfillment of one's high school degree competencies or GED. **Prerequisite(s)** CASAS score 236-245.

### **HSE 003 - Life Science & English Level 5**

**1 to 10 Unit(s)** SBCTC High School 21 degree integrated reading writing class demonstrating English competency through the study of Life Science and scientific thinking--in fulfillment of one's high school degree competencies or GED. **Prerequisite(s)** CASAS score 236-245.

### **HSE 004 - Occupational Education & English Level 5**

**1 to 10 Unit(s)** SBCTC High School 21 degree integrated reading writing class demonstrating English competency through studying communication, occupational skills and work opportunities-in fulfillment of one's high school degree competencies or GED. **Prerequisite(s)** CASAS score 236-245.

### **HSE 005 - US History, Government, Fine Arts, English Level 5**

**1 to 10 Unit(s)** SBCTC High School 21 degree integrated reading writing class demonstrating English competency through the study of US History, Government and Fine Arts--fulfillment of one's high school degree competencies or GED. **Prerequisite(s)** CASAS score 236-245

### **HSE 006 - WA State History & English Level 5**

**1 to 10 Unit(s)** SBCTC High School 21 degree integrated reading writing class demonstrating English competency through the study of Washington State History--in fulfillment of one's high school degree competencies or GED. **Prerequisite(s)** CASAS score 236-245.

### **HSE 007 - Health, Fitness and English Level 5**

**1 to 10 Unit(s)** SBCTC High School 21 degree class introducing emotional, physical, and mental components of health to develop an individual health and fitness program--in fulfillment of one's high school degree competencies or GED. **Prerequisite(s)** CASAS score 236-245.

### **HSE 008 - Algebra 1 - Level 5**

**1 to 5 Unit(s)** SBCTC High School 21 degree for Algebra 1--fulfillment of one's high school degree competencies or GED. **Prerequisite(s)** CASAS score 236-245

### **HSE 009 - Algebra 2 - Level 5**

**1 to 5 Unit(s)** High School 21 degree for Algebra 2 fulfillment of one's high school degree competencies or GED. **Prerequisite(s)** CASAS score 236-245 SBCTC

### **HSE 010 - Geometry - Level 5**

**1 to 5 Unit(s)** SBCTC High School 21 degree for Geometry--in fulfillment of one's high school degree competencies or GED. **Prerequisite(s)** CASAS score 236-245

### **HSE 090 - WL-SPAN 1, ART (ABE)**

**1 to 5 Unit(s)** This is an introductory course which satisfies the Washington State Board of Education's requirements for competency in both Spanish and Fine Arts, focusing on communication skills, and how art influences and reflects culture and civilization. Students earn high school credits in: World Language (1) and Art (1).

### **HSE 091 - WL-SPAN 2 ART (ABE)**

**1 to 5 Unit(s)** A continuation of high school Spanish which satisfies the Washington State Board of Education's requirements for competency in both Spanish and Fine Arts, focusing on communication skills, and how art influences and reflects culture and civilization. Students create a notebook of language and art. The course includes four portfolio projects. Students earn high school credits in: World Language (1) and Art (1).

## ***History***

### **HIST 110 - History of Intolerance (SS)**

**3 Unit(s)** An examination and analysis, through reading and film, of intolerance in America's history. Particular attention will be paid to historical events which demonstrate intolerance based on: religion, ethnicity, race, gender, sexual orientation and age. **Distribution Requirement(s):** Social Science **ICRC Approved Elective**

### **HIST 210 - Introduction to Pacific Asian History (SS)**

**5 Unit(s)** Description and analysis of emergence of modern nations of Pacific Asia. Gain understanding of historical and geographical context of the political and economic development of the region. **Distribution Requirement(s):** Social Science **ICRC Approved Elective**

### **HIST 275 - America In Vietnam (AE)**

**5 Unit(s)** Overview of the Vietnam Conflict, including the Vietnamese culture, and history; U.S. foreign policy; roots of the war; effects on world politics media conduct during and after the war; and impacts on American society. **ICRC Approved Elective**

### **HIST 280 - History of American Foreign Relations (SS)**

**5 Unit(s)** Survey of American foreign relations from the 17th to the 21st centuries focusing on such issues as national security, economic needs, capitalism democracy and imperialism. **Distribution Requirement(s):** Social Science **ICRC Approved Elective**

### **HIST& 116 - Western Civilization I (SS)**

**5 Unit(s)** Analysis of the development of major political, economic, social and cultural characteristics of Antiquity and Medieval Europe. **Distribution Requirement(s):** Social Science **ICRC Approved Elective**

### **HIST& 117 - Western Civilization II (SS)**

**5 Unit(s)** Analysis of the modern state with emphasis on the Renaissance, the Reformation, Absolutism, Scientific and Political Revolutions. **Distribution Requirement(s):** Social Science **ICRC Approved Elective**

### **HIST& 118 - Western Civilization III (SS)**

**5 Unit(s)** Analysis of the late 19th and 20th centuries with special attention paid to the development of political, social and economic trends and events. **Distribution Requirement(s):** Social Science **ICRC Approved Elective**

### **HIST& 126 - World Civilization I (D)(SS)**

**5 Unit(s)** Focuses on the origins, development, and features of societies in the ancient and classical world. This course examines the political, social, and cultural contours of societies and the interactions and relationships among different historical cultures. **Distribution Requirement(s):** Social Science, Diversity **ICRC Approved Elective**

### **HIST& 127 - World Civilization II (D)(SS)**

**5 Unit(s)** Examines the progression of world history

in pre-modern and early modern period. Topics include the development of mercantile capitalism, the Columbian exchange, revolutions in science, philosophy and politics, and the impact of colonialism and slavery. **Distribution Requirement(s):** Social Science, Diversity **ICRC Approved Elective**

### **HIST& 128 - World Civilization III (D)(SS)**

**5 Unit(s)** Examines the issues of modern world history including role of warfare, empire, diplomacy, and revolution in shaping international events and interactions taking place when cultural values, ideas, and technologies of multiple societies interact over time. **Distribution Requirement(s):** Social Science, Diversity **ICRC Approved Elective**

### **HIST& 146 - US History I (SS)**

Analysis of American history from the pre-invasion to the Antebellum Era. Emphasis will be on the political, social, and economic changes. **5 Unit(s) Distribution Requirement(s):** Social Science **ICRC Approved Elective**

### **HIST& 147 - US History II (SS)**

**5 Unit(s)** Analysis of American history from Antebellum Era to the Progressive Era. Emphasis will be on the political, social, and economic changes. **Distribution Requirement(s):** Social Science **ICRC Approved Elective**

### **HIST& 148 - US History III (SS)**

**5 Unit(s)** Analysis of American history from World War One to the present. Emphasis will be on the political, social, and economic changes. **Distribution Requirement(s):** Social Science **ICRC Approved Elective**

### **HIST& 214 - Pacific NW History (SS)**

**5 Unit(s)** Study of the early exploration and settlement of the Pacific Northwest. Emphasis will be on the economic, political and social developments. The course is designed to meet state certification requirements for teachers. **Distribution Requirement(s):** Social Science **ICRC Approved Elective**

### **HIST& 215 - Women In U.S. History (SS)**

**5 Unit(s)** Exploration of female experiences in the 18th, 19th, 20th and 21st centuries by looking at class,

race and ethnicity and study women in the context of the major historical developments in their time.

**Distribution Requirement(s):** Social Science **ICRC Approved Elective**

### **HIST& 220 - African American History (SS)(D)**

**5 Unit(s)** Examines the history of the continent from the pre-colonial era to the present. Topics include pre-colonial lineage, patterns of ethnic identity, colonialism and tribal identity, urbanization and its impact, and apartheid. **Distribution Requirement(s):** Social Science, Diversity **ICRC Approved Elective**

## *Human Relations*

### **H R 60 - Reentry Life Skills**

**6 Unit(s)** This course provides life skills instruction for incarcerated students to facilitate in their transition to the community. This course is only offered to students incarcerated in designated state correctional institutions.

### **H R 110 - Human Relation-Workplace**

**5 Unit(s)** The study of behavior, personality, self-management, self-development, and elementary business psychology in the workplace. Focus on understanding and demonstrating skills imperative to workplace success including communications, personal attitude, motivation, and workplace etiquette. **Prerequisite(s)** HR 101 or instructor permission.

## *Humanities*

### **HUM 110 - Ethics & Cultural Values (H)(D)**

**5 Unit(s)** An interdisciplinary course involving the study of philosophy, literature, history and religion within the context of world ethical systems. This course focuses on cultural values through a study of virtue, duty, utility, and rights. **Distribution Requirement(s):** Humanities, Diversity **ICRC Approved Elective**

### **HUM& 116 - Humanities I (H)**

**5 Unit(s)** A survey of the major movements in art, architecture, music, philosophy and literature in a historical context, from pre-history to 1400 C.E. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

### **HUM& 117 - Humanities II (H)**

**5 Unit(s)** A survey of the major movements in art, architecture, music, philosophy, and literature in a historical context, from 1300 C.E. to 1800 C.E.  
**Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

### **HUM& 118 - Humanities III (H)**

**5 Unit(s)** A survey of the major movements in art, architecture, music, philosophy, and literature in a historical context, from 1800 C.E. to the present.  
**Distribution Requirement(s):** Humanities  
**ICRC Approved Elective**

### **HUM 270 - Survey of Film Studies (H)**

**5 Unit(s)** An examination of the social, historical, technical, and artistic aspects of film through viewing, studying and discussing notable motion pictures.  
**Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

### **HUM 315 - Ethics (H)**

**5 Unit(s)** Foundation course in ethics as applied to businesses and organizations related to management issues. Students will explore theoretical concepts in business ethics and apply them to real-world situations based on challenges managers face.  
**Prerequisite(s)** Admittance into BAS Program or administrative and instructor permission. Five units of lower division Humanities. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

## ***Information Technology***

### **CS& 131 - Computer Science I C++ (AE)**

**5 Unit(s)** Intended as an introduction to programming. Emphasis is on the features of the 'C' programming language with an introduction to C++ object oriented programming and good programming style. Lab fee \$31.88.

### **CS& 141 - Computer Science I Java**

**5 Unit(s)** A study of rapid application development (RAD) JAVA. Development of GUIs using Swing Technology. Object Oriented Programming as it is implemented in JAVA. Introduction to graphics, animation, and multi-threading. Lab fee \$25.10.  
**Prerequisite(s)** MATH 99 or equivalent **ICRC Approved Elective**

### **I T 101 - Intro to Programming (AE)**

**5 Unit(s)** This course provides an introduction to programming using Microsoft Visual Studio. Course focus is on building basic graphical applications using the Python programming language. Lab fee \$50.  
**ICRC Approved Elective**

### **I T 110 - Learning and Working Virtually**

**5 Unit(s)** This class is an introduction on how to learn and work effectively in a remote, virtual environment. Students will gain hands-on experience participating in and hosting remote group projects. Lab fee \$25.

### **I T 111 - Programming I**

**5 Unit(s)** A course in event-driven programming concepts. Students will develop event-driven programs that utilize a graphical user interface (GUI). Topics include GUI libraries, event handling, delegation, and threading basics. Version control and unit testing will also be introduced. **Prerequisite(s)** I T 101 or permission

### **I T 112 - Programming II**

**5 Unit(s)** A course in object-oriented programming concepts. Students will develop, test, and debug object-oriented programs. Topics include classes, access modifiers, inheritance, polymorphism, encapsulation, and Unified Modeling Language (UML) class diagrams. Lab fee \$50. **Prerequisite(s)** I T 111 or instructor permission.

### **I T 113 - Programming III**

**5 Unit(s)** A survey of common data structures and algorithms used in computing. Students will implement and analyze the efficiency of common data structures and algorithms. Topics include data structures, sorting algorithms, searching algorithms, and asymptotic analysis. Lab fee \$50.  
**Prerequisite(s)** I T 112 or instructor permission.

### **I T 117 - Introduction to Windows OS**

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

### **I T 119 - Introduction to Web Development**

**5 Unit(s)** Designed for new web designers who want

to develop, modify, and design standards-compliant web pages using the HTML and CSS languages. Lab Fee \$50.00.

### **I T 121 - Web Development I**

**5 Unit(s)** An introduction to dynamic web design using client-side programming. The focus will be on rich user interfaces, interactivity, and asynchronous communications. Lab fee \$50. **Prerequisite(s)** IT 119

### **I T 123 - PC Operating Systems**

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

### **I T 124 - Computer Hardware**

**5 Unit(s)** This course is based on the CompTIA A+ certification materials. Material covered includes typical desktop computer components, storage devices, peripherals, expansion cards, display devices, custom configurations, computer networking. Lab fee \$50. **Prerequisite(s)** I T 123 or I T 125.

### **I T 125 - Linux Operating Systems**

**5 Unit(s)** This course is based on the CompTIA Linux + certification materials. Material covered includes Linux operating system basics, operating system administration, security, network configuration, virtualization and troubleshooting theory. Lab fee \$50.

### **I T 130 - IT Apps Internship**

**2 Unit(s)** Students will get hands on, full life cycle software development experience working on projects for the department and college. Projects will include web and database application design, development, maintenance and support. **Prerequisite(s)** I T 101 and I T 119.

### **I T 140 - IT Support Internship**

**2 Unit(s)** This course is designed to provide students with an introduction to and experience in Help Desk operations. Students will learn the fundamentals of Tier 1 call taking and customer service. **Prerequisite(s)** I T 123 and I T 124.

### **I T 144 - Microsoft Office for IT**

**5 Unit(s)** This course provides an introduction to Microsoft Office from the perspective of a support technician. Coverage includes installation, configuration, formatting, document structure, templates, forms, security and troubleshooting. Lab fee \$25. **Prerequisite(s)** I T 123 and I T 124.

### **I T 150 - Relational Databases**

**5 Unit(s)** Students learn the tools and processes for data modeling in Relational Database Management Systems. Topics include Structured Query Language (SQL), functional dependencies, normalization, database design methodologies and entity relationship modeling. Lab fee \$50.

### **I T 180 - Introduction to Game Development**

**5 Unit(s)** Students are introduced to the basics of game development using game engines. Topics include gameplay loops, user interface elements, gameplay audio, animations, user input, and project packaging and distribution. Lab fee is \$50. **Prerequisite(s)** I T 101 , CS& 131 or CS& 141

### **I T 201 - Network Technology 1**

**5 Unit(s)** This course is based on CompTIA Network+ certification materials. Material covered includes Fundamental Concepts, Terminology, LANs, WANs, Internetworking, VLANs, Routing Basics and Wireless Networking. Lab fee \$50. **Prerequisite(s)** MATH 98

### **I T 202 - Advanced Networking**

**5 Unit(s)** This second networking course is based on CompTIA Network+ certification materials. Material covered includes advanced concepts, implementation and terminology relating to LANs, WANs, VLANs, Routing and Wireless Networking. Lab fee \$50. **Prerequisite(s)** I T 201

### **I T 203 - Network Security**

**5 Unit(s)** Course concentrates on materials commonly associated with Security+ certification. Coverage includes risk identification, intrusion detection, encrypted communication, firewalls and basic forensics. Lab fee \$50. **Prerequisite(s)** IT 201 and IT 202.

### **I T 205 - PHP/SQL**

**4 Unit(s)** An introduction to web application

development using PHP and SQL. Coverage includes an introduction to server side programming using PHP, SQL database design, querying, and use from PHP. Lab fee \$25. **Prerequisite(s)** I T 121.

### **I T 212 - Web Development II**

**5 Unit(s)** Students will learn to develop live services for web-based applications using server-side architectures. This course builds on previous experience in web development. Lab fee is \$50. **Prerequisite(s)** I T 121 and I T 150.

### **I T 213 - Web Development III**

**5 Unit(s)** Students will learn to develop applications using three-tier architecture, allowing for rich user interfaces and advanced database interactions. This course builds on previous experience in web development. Lab Fee \$50. **Prerequisite(s)** I T 112 and I T 212.

### **I T 218 - Server OS 1**

**5 Unit(s)** This is a first course on server installation, configuration and management. Coverage includes Active Directory fundamentals, DHCP, DNS, and the basics of setting up and managing a web server. Lab fee \$50. **Prerequisite(s)** I T 123.

### **I T 219 - Server OS 2**

**4 Unit(s)** This is a second course on server installation, configuration and management. Coverage includes server content management systems, PHP, Microsoft Exchange and Office 365. Lab fee \$25. **Prerequisite(s)** I T 218.

### **I T 220 - Software Development I**

**5 Unit(s)** A course in software development strategies and tools. Students will work in teams to complete software applications. Topics include the software development life-cycle, Agile development strategies, version control systems, and issue-tracking tools. Lab fee \$50. **Prerequisite(s)** I T 112 or permission.

### **I T 221 - Software Development II**

**5 Unit(s)** A course in Test-Driven Development. Students will work in teams to complete complex software applications using Agile development strategies, version control systems, and testing frameworks. Lab fee \$50. **Prerequisite(s)** I T 220

### **I T 224 - Java 1**

**5 Unit(s)** Introduction to Java programming. Concepts including procedural programming (methods, parameters, and primitive variables), control structures and logic (if/else, for and while loops), arrays, and an introduction to object oriented programming. Prior computer knowledge recommended. Lab fee \$25.

### **I T 228 - Java 2**

**5 Unit(s)** Second course in the introduction to JAVA programming sequence. These topics include: abstract data structures, lists, stacks, queues, linked lists, maps, recursion, interfaces, encapsulation, serialization, file access, sorting and computational complexity. Lab fee \$25.

### **I T 230 - Java 3**

**5 Unit(s)** Third and final course in the introduction to Java programming sequence. This course covers recursion, exception handling and recovery, remote file access, event driven programming, binary search trees, and priority queues. Lab fee \$25. **Prerequisite(s)** I T 224, I T 228.

### **I T 235 - Cisco Networking**

**5 Unit(s)** Utilizing CISCO equipment and operating systems, students will gain the ability to install, operate and troubleshoot network environments. This course is based upon the skills needed to achieve a CISCO Certified Entry Networking Technician certification. Lab fee \$50. **Prerequisite(s)** I T 201 and I T 202.

### **I T 240 - Mobile Device OS**

**3 Unit(s)** This is an introductory course on mobile device operating system use and management. Course will include coverage of operating systems for currently popular devices such as Android Tablets and iPads. Lab fee \$25.

### **I T 245 - Object-Oriented Programming**

**4 Unit(s)** An intermediate level course in object-oriented programming. Course covers creating classes from requirement documents, modeling using diagrams, object-relationship analysis, object reuse and good software design. Experience with one or more computer programming languages recommended. Lab fee \$50.

### **I T 250 - Discrete Structures**

**4 Unit(s)** A programming-based course in discrete structures. Logic, set theory, counting, algorithmic efficiency, graphs and trees are presented. This course uses programming algorithms to demonstrate and explore the discrete math topics commonly used in computer programming. Lab fee \$50. **Prerequisite(s)** MATH 98 or equivalent.

### **I T 255 - Design Patterns**

**4 Unit(s)** This course builds upon object-oriented design methodologies and introduces the concept of design patterns to solve software problems. The well known "Gang of Four (GoF)" patterns are explored. Lab fee \$50.

### **I T 260 - Advanced Web Development**

**5 Unit(s)** Students will learn to develop applications that use three-tier architecture, allowing for rich client side user interfaces, sophisticated functionality, and advanced database interactions. This course builds on previous experience in web development. Lab fee \$50. **Prerequisite(s)** I T 121 or instructor permission.

### **I T 265 - Mobile Applications**

**5 Unit(s)** Students will learn how to design and implement software in a mobile environment, using the device's sensors, distribution models, location awareness, and other interactive elements present in the mobile device. Lab fee \$50. **Prerequisite(s)** I T 121 or instructor permission.

### **I T 270 - Dreamweaver**

**4 Unit(s)** Learn the Adobe Dreamweaver CC software from several perspectives, including tool usage, and use as a development environment for web and mobile applications. Lab fee \$50.

### **I T 275 - CSS Frameworks & Grids**

**4 Unit(s)** This course leads to the mastery of HTML and CSS in comprehensive and responsive design. Creation of grids, Syntactically Awesome Style Sheets (SASS) and responsive frameworks are covered. Lab fee \$50. **Prerequisite(s)** I T 119 or instructor permission.

### **I T 280 - Application Development Capstone**

**5 Unit(s)** Students will deliver a comprehensive software project that demonstrates mastery of the

concepts introduced in the Application Development program. Lab fee \$50. **Prerequisite(s)** I T 212, I T 220, or instructor permission.

### **I T 285 - WordPress Skinning**

**5 Unit(s)** WordPress is among the most popular content management systems/bloggings systems in the world. Students learn how to 'skin' a WordPress Site, providing the functionality of WordPress, but with the look and feel a customer wants. Lab fee \$50.

**Prerequisite(s)** I T 121

## ***Mathematics***

### **MATH 96 - Pre-Algebra**

**1 to 5 Unit(s)** Covers percents, proportions, unit conversions, geometry, simplifying algebraic expressions and solving simple first degree linear equations. **Prerequisite(s)** MATH 095 or appropriate test score placement

### **MATH 98 - Non-STEM Algebraic Literacy**

**1 to 5 Unit(s)** For students with good arithmetic skills and familiarity with signed numbers and basic algebraic expressions. Problem-solving skills are emphasized. Topics include: linear equations and inequalities, graphing, polynomials, and exponent expressions. This class will prepare students for MATH 099, MATH 102, MATH& 107, and MATH& 146. **Prerequisite(s)** MATH 96 or equivalent.

### **MATH 99 - STEM Algebraic Literacy**

**1 to 5 Unit(s)** Introduces the concept of functions, their graphs and properties. Particular attention will be paid to linear, quadratic, exponential and logarithmic functions. This class will prepare students for MATH& 131, MATH& 141, and MATH 147. **Prerequisite(s)** MATH 98 or equivalent.

### **MATH 102 - Introduction to Discrete Structures**

**5 Unit(s)** This class is designed to introduce mathematical concepts in computer science. Topics include logic, set theory, graphs and trees, recursion, and basic modular arithmetic. **Prerequisite(s)** MATH 98 or instructor permission.

### **MATH& 107 - Math in Society (M)**

**5 Unit(s)** Designed as a terminal mathematics course

for students in liberal arts and humanities. This class provides a solid foundation in quantitative reasoning and critical thinking that are needed for personal and professional lives. **Prerequisite(s)** MATH 098 or equivalent or instructor permission. **Distribution Requirement(s):** Quantitative Skill, **ICRC Approved Elective**

### **MATH 118 - Linear Algebra (M)**

**5 Unit(s)** Computational and modeling tools with applications in physics, mathematics, engineering, economics, and business. Topics include systems of equations, matrix algebra, vector spaces, subspaces, bases, orthogonality, transformations, and eigenvalues. **Prerequisite(s)** MATH& 142 or equivalent placement. **Distribution Requirement(s):** Quantitative Skill, **ICRC Approved Elective**

### **MATH& 131 - Math for Elem Educ 1 (M)**

**5 Unit(s)** Designed to provide the conceptual framework for teaching mathematics from kindergarten through eighth grade. **Prerequisite(s)** MATH 099 or equivalent ASSET/COMPASS score **Distribution Requirement(s):** Quantitative Skill **ICRC Approved Elective**

### **MATH& 132 - Math for Elementary Education 2 (M)**

**5 Unit(s)** The second of two courses designed to provide the conceptual framework for teaching mathematics from kindergarten through eighth grade. **Prerequisite(s)** MATH& 131 **Distribution Requirement(s):** Quantitative Skill, **ICRC Approved Elective**

### **MATH 140 - Pre-Calculus 1 Seminar (AE)**

**1 Unit(s)** Supports skill development in students registered in MATH& 141 Pre-Calculus 1. Topics covered in this course include those defined in MATH& 141 and/or any prerequisite skills needed by the student to be successful in MATH& 141. **Corequisite(s):** MATH& 141, **ICRC Approved Elective**

### **MATH& 141 - Precalculus I (M)**

**5 Unit(s)** This course is primarily for students pursuing further study in mathematics, engineering, business, or the sciences. This course discusses functions (polynomial, rational, exponential, and

logarithmic) symbolically, graphically, and numerically. It stresses solving equations, modeling, and problem solving techniques. Systems of equations and basic matrix algebra are also covered. **Prerequisite(s)** MATH 099 or equivalent **Distribution Requirement(s):** Quantitative Skill, **ICRC Approved Elective**

### **MATH& 142 - Precalculus II (M)**

**5 Unit(s)** This course is primarily for students pursuing further study in mathematics, engineering, business, or the sciences. Topics include the development of the trigonometric functions and their inverses. Applications including identities, equations, complex numbers, polar coordinates, and vectors are discussed. Conic sections, sequences and series, and parametric equations are also covered. **Prerequisite(s)** MATH& 141 or equivalent **Distribution Requirement(s):** Quantitative Skill **ICRC Approved Elective**

### **MATH 145 - Statistics Prep Seminar (AE)**

**1 Unit(s)** Refreshes and enhances the necessary prerequisite skills for a college-level statistics course. Topics include algebra for statistics, spreadsheet software skills, and probabilistic reasoning. **Prerequisite(s)** MATH 97, MATH 99 or equivalent, or instructor permission. **ICRC Approved Elective**

### **MATH& 146 - Introduction to Statistics (M)**

**5 Unit(s)** Introduction to concepts of data collection, organization and summaries. Develop the fundamental concepts of mean, median and standard deviation, probability, probability distributions, and apply these ideas to hypothesis testing, linear regression and analysis of variance. **Prerequisite(s)** MATH 97 , MATH 99 or equivalent **Distribution Requirement(s):** Quantitative Skill, **ICRC Approved Elective**

### **MATH 147 - Finite Math for Business (M)**

**5 Unit(s)** Linear, polynomial and rational function models. Exponential and logarithmic functions. Mathematics of finance, matrices, linear programming, set operations and probability. ) **Prerequisite(s)** MATH 099 or equivalent **Distribution Requirement(s):** Quantitative Skill **ICRC Approved Elective**

### **MATH& 148 - Business Calculus (M)**

**5 Unit(s)** An introduction to calculus concepts needed for business applications. Topics discussed are limits, derivative, integrals, and partial derivatives. Business applications are stressed. **Prerequisite(s)** MATH 147 or MATH& 141 or equivalent. **Distribution Requirement(s):** Quantitative Skill, **ICRC Approved Elective**

### **MATH& 151 - Calculus I (M)**

**5 Unit(s)** The first in a four-quarter sequence. Topics covered include limits, derivatives of algebraic, trigonometric, logarithmic, and exponential functions. Applications of the derivative will be introduced. Topics covered from numerical analytical, and graphical viewpoints. ) **Prerequisite(s)** MATH& 142 or instructor permission. **Distribution Requirement(s):** Quantitative Skill, **ICRC Approved Elective**

### **MATH& 152 - Calculus II (M)**

**5 Unit(s)** The second in a four-quarter sequence. Topics include integration, techniques and applications of the integral. Topics covered from numerical, analytical and graphical viewpoints. **Prerequisite(s)** MATH& 151 or equivalent **Distribution Requirement(s):** Quantitative Skill **ICRC Approved Elective**

### **MATH& 153 - Calculus III**

**5 Unit(s)** The third in a four-quarter sequence. Topics covered include sequences, power series, the calculus of parametric and polar coordinates, and the calculus of vector functions in three dimensions. **Prerequisite(s)** MATH& 152, **ICRC Approved Elective**

### **MATH 202 - Discrete Structures 1 (M)**

**5 Unit(s)** Students will learn set theory, relations, functions, formal logic, constructing proofs, computing with base n numbers, combinatorics, and discrete probability with applications. **Prerequisite(s)** MATH& 141 or MATH 102 and MATH 99 or instructor permission. **Distribution Requirement(s):** Quantitative Skill **Distribution**

### **MATH 212 - Elementary Differential Equations (AE)**

**5 Unit(s)** Linear ordinary differential equations with emphasis on supporting concepts of differential

operators, Wronskians, characteristic polynomials, homogeneous and nonhomogeneous cases, variation of parameters, undetermined coefficients. Solution of IVP by Laplace transforms and power series method. **Prerequisite(s)** MATH& 163, **ICRC Approved Elective**

### **MATH 245 - Statistical Programming (M)**

**5 Unit(s)** Introduction to data structures and implementing procedures in statistical computing languages and spreadsheet applications. Examples may include R, Python, and Excel. Provides a foundation in computation components of data analysis. Lab fee \$50. **Prerequisite(s)** MATH& 146 or equivalent, or instructor permission. **Distribution Requirement(s):** Quantitative Skill, **ICRC Approved Elective**

### **MATH 246 - Intermediate Statistics (M)**

**5 Unit(s)** Continuation of MATH& 146 (Introduction to Statistics). Expands on concepts of data collection, data cleaning, descriptive statistics, and inferential statistics. Emphasis is on statistical software and applications in data science. **Prerequisite(s)** MATH 245 or instructor permission. **Distribution Requirement(s):** Quantitative Skill, **ICRC Approved Elective**

### **MATH& 254 - Calculus IV**

**5 Unit(s)** The fourth in a four-quarter sequence. Topics covered include derivatives and integrals in more than two dimensions, vector integration including Green's and Stokes' Theorems. **Prerequisite(s)** MATH& 163, **ICRC Approved Elective**

### **MATH 315 - Teaching Math (M)**

**5 Unit(s)** Provides the requisite knowledge and skills to teach K-8 students core math concepts. Current state standards for math learning will be reviewed with a focus on understanding how to teach and apply mathematical concepts. **Distribution Requirement(s):** Quantitative Skill, **ICRC Approved Elective**

### **MATH 350 - Managerial Statistics (M)**

**5 Unit(s)** Statistical analysis techniques will be examined and applied in case studies involving real-world management issues. Students will examine

difficulties, subjective decisions, and pitfalls when analyzing data and making inferences from numbers. )

**Prerequisite(s)** Lower division Quantitative Skills course. **Distribution Requirement(s):** Quantitative Skill, ICRC Approved Elective

### **TMATH 110 - Technical Math II**

**3 Unit(s)** Course emphasizes trigonometric functions used to solve engineering, electronics, and mechanics application problems. **Prerequisite(s)** TMATH 100.

### **TMATH 116 - Industrial Math**

**5 Unit(s)** Application of basic mathematical operations to specific workforce programs including common fractions, decimal fractions, percentages, ratio and proportion, practical algebra, and computations involving rectangles and triangles. Emphasizes the use of mathematics in diesel and welding. **Prerequisite(s)** MATH 95.

### **TMATH 121 - Electronics Math 1**

**5 Unit(s)** Students will be introduced to math concepts relating to electronics and robotics. Topics studied will include functions, direct and inverse relationships, unit analysis, calculator operation, linear and exponential equations, and spreadsheet math operations. **Prerequisite(s)** MATH 98.

### **TMATH 122 - Electronics Math 2**

**4 Unit(s)** Continuation of Electronics Math 1 - students will learn math concepts applicable to AC electronics and semiconductor device performance. Trigonometry and complex numbers will be emphasized. **Prerequisite(s)** TMATH 121.

## ***Medical Assistant***

### **M A 130 - Medical Math**

**5 Unit(s)** A mathematics course that focuses on solving applications using percent, proportion, and unit conversion as well as descriptive data interpretation. Satisfies the math requirement for the Medical Assistant ATA. **Prerequisite(s)** MATH 96 or equivalent.

### **M A 139 - MA Medical Terminology**

**5 Unit(s)** A required class for all students enrolled in the Medical Assistant Program to develop a medical vocabulary from an anatomy, physiology, and

pathology format. It is suitable for others entering medical-related fields. Lab fee \$5.

### **M A 140 - Intro to Medical Assistant**

**5 Unit(s)** An introduction to the profession of the Medical Assistant in the health care setting. Designed to explore the fundamentals of the scope of practice in a lecture and lab setting. Lab fee \$33.

### **M A 208 - MA Electrocardiography**

**2 Unit(s)** Electrocardiography (ECG) for the medical assistant student; including anatomy of the heart and the cardiac cycle, ECG applications and methods for testing in ambulatory care. Lab fee \$15.

**Prerequisite(s)** Acceptance into 2nd year MA program.

### **M A 241 - M A Clinical Procedures**

**7 Unit(s)** Overview of physical examinations, procedures, and testing that a medical assistant would assist a health care provider with in an ambulatory care setting. Lab fee \$100. **Prerequisite(s)** Acceptance into a 2nd year MA.

### **M A 242 - Medical Administration**

**7 Unit(s)** An overview of pharmacology and medication administration as it applies to the medical assistant's responsibilities in ambulatory care. Lab fee \$65. **Prerequisite(s)** Acceptance into a 2nd year MA program.

### **M A 243 - MA Clinical Procedure II**

**6 Unit(s)** Surgical setup for clinical/office procedures explored in detail; review of the role of diagnostic imaging, rehabilitation, and nutrition in the interdisciplinary approach of patient care. Lab fee \$175. **Prerequisite(s)** MA 242, MA 246 with a 2.5GPA or higher.

### **M A 244 - MA Externship Seminar**

**1 Unit(s)** This class allows the medical assistant extern to explore objectives and challenges in bridging their classroom/lab experiences to the experiences they are encountering in their externships. **Prerequisite(s)** MA 242, MA 246 with a 2.5 GPA or higher.

### **M A 245 - MA Clinical Externship**

**6 Unit(s)** One hundred eighty unpaid hours of

externship in an ambulatory health care setting that allows the medical assistant student to bridge their classroom education and lab training to the real world medical setting. Lab fee \$17. **Prerequisite(s)** M A 242 , M A 246 with a 2.5 GPA or higher.

### **M A 246 - MA Laboratory Procedures**

**10 Unit(s)** Overview of laboratory procedures and regulations for the ambulatory health care setting, including phlebotomy training. Lab fee \$53.16.

**Prerequisite(s)** Acceptance into 2nd year MA program.

### **M A 249 - MA Admin Procedures**

**8 Unit(s)** Administrative protocols and procedures related to front and back office responsibilities in an ambulatory care setting; with emphasis on communications, medical records management, and fiscal management practices. Lab fee \$18.50.

**Prerequisite(s)** Acceptance into 2nd year MA program.

## *Music*

### **MUSC 100 - Fundamentals of Music (H)**

**5 Unit(s)** Introduction to the elements of music theory, including scales, intervals, keys, triads, elementary ear training, notation, meter and rhythm.

**Distribution Requirement(s):** Humanities, ICRC Approved Elective

### **MUSC 101 - Music History (H)**

**5 Unit(s)** An overview of music in its historical context, including both the Western Classical canon and musical traditions from Asia, Africa, the Middle East, the Pacific Islands, and the Americas.

**Distribution Requirement(s):** Humanities, ICRC Approved Elective

### **MUSC& 105 - Music Appreciation (H)**

**5 Unit(s)** Developing an understanding of music through the study of musical elements and cultural contexts. **Distribution Requirement(s):** Humanities ICRC Approved Elective

### **MUSC 118 - Musical Theatre (H)**

**5 Unit(s)** The study of musical theatre, its major works, its significance in theatre history, and role in American culture with an emphasis on production

elements and the play in performance. **Distribution Requirement(s):** Humanities, ICRC Approved Elective

### **MUSC 124–129 Jazz Ensemble I-VI (AE)**

**2 Unit(s)** Performing ensemble made up of students and community members. The ensemble's instrumentation is flexible, depending on availability of musicians. One evening rehearsal and one evening concert will be required. Off campus performances may be required. Lab fee \$17.49. **ICRC Approved Elective**

### **MUSC 139 - Music of The World (D)(H)**

**5 Unit(s)** A music survey of diversity found in music around the world. Examines music as accompaniment to ceremony and ritual, aid to work and routine, and an expression of universal unchanging human emotions. Prior musical experience is not necessary.

**Prerequisite(s)** Proficiency in reading, grammar skills **Distribution Requirement(s):** Humanities, Diversity, ICRC Approved Elective

### **MUSC 140 - History of American Music (D) (H)**

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

**Distribution Requirement(s):** Humanities, Diversity, ICRC Approved Elective

### **MUSC& 141 - Music Theory I (H)**

**5 Unit(s)** A study of the building blocks of music. Emphasis on aural, written, and performance skills to include the following areas: Staff notation, scales and modes, key signatures, meters and rhythm, and melodic motives. Lab fee \$25.

**Distribution Requirement(s):** Humanities, ICRC Approved Elective

### **MUSC& 142 - Music Theory II (H)**

**5 Unit(s)** A study of the musical concepts including counterpoint, Roman numerals, lead sheet symbols, triads, seventh chords, and bass lines. Application of musical concepts through the use of aural skills, sight singing, and composition are emphasized. Lab fee \$25.

**Prerequisite(s)** MUSC& 141 **Distribution Requirement(s):** Humanities

### **MUSC& 143 - Music Theory III (AE)**

**5 Unit(s)** A study of musical concepts, including phrase types, hypermeter, secondary dominants, chord progressions, bass lines, and sequences. Application of musical concepts through the use of aural skills, sight singing, and composition are emphasized. Lab fee \$25. **Prerequisite(s)** MUSC& 142

#### **MUSC 175-180 Community Band I-VI (AE)**

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

#### **MUSC 185-190 Community Orchestra I-VI (AE)**

**2 Unit(s)** Performing ensemble made up of students and community members. Repertoire will vary and will be selected by the orchestra director. The ensemble consists of orchestral instrumentation and meets weekly for three hours. Lab fee \$10. **ICRC Approved Elective**

#### **MUSC 250 - Musical Theatre Production I (H)**

**5 Unit(s)** Designed to introduce the student to all the elements of musical theatre. The student will study the audition process, the effect of musical choreography, the historical setting of the work chosen, musical score and dialogue. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

#### **MUSC 251 - Musical Theatre Production II (Ae)**

**5 Unit(s)** The student will continue to study the audition process, the effect of musical choreography, the historical setting of work chosen, musical score and dialogue. **Prerequisite(s)** By audition only **ICRC Approved Elective**

### ***Nursing***

#### **NURS 101 - Basic Nursing Care Concepts**

**8 Unit(s)** Introduction to the role of the nurse, the nursing process, and continuum of care. Professional identify, nursing scope of practice, comprehensive health assessment, infection control, skin integrity, mobility, pain and comfort, and care management are addressed in depth. Lab fee \$539.83. **Prerequisite(s)** Admission into Centralia College Nursing Program. **Corequisite(s):** NURS 111

#### **NURS 102 - Common Alterations in Health I**

**7 Unit(s)** Continues the development of progressive competencies that reflect program themes of homeostasis; the role of the nurse and continuum of care as applied to the cardiac, respiratory, and endocrine systems; and medication and fluid administration. On-campus theory course. Lab fee \$539.83. **Prerequisite(s)** NURS 101, NURS 111. **Corequisite(s):** NURS 112

#### **NURS 103 - Common Alterations in Health II**

**7 Unit(s)** Continues the development of progressive competencies which reflect program themes, including the provision of holistic care applied to patients with alterations in renal, GI, neurological, musculoskeletal, perioperative, mental health, and care of the child-bearing family. Lab fee \$539.83. **Prerequisite(s)** NURS 102 , NURS 112 **Corequisite(s):** NURS 113

#### **NURS 111 - Basic Nursing Care Concepts Practicum**

**4 Unit(s)** Practical application of health assessment and fundamental nursing skills. Emphasizes identification and mitigation of actual or potential health problems. Includes hands-on experience in the nursing lab, simulation lab, and direct patient care in the clinical setting. Lab fee \$281.40. **Prerequisite(s)** Admission into Centralia College Nursing Program **Corequisite(s):** NURS 101

#### **NURS 112 - Common Alterations in Health I Practicum**

**5 Unit(s)** Practical application of continued development in progressive competencies reflecting themes of homeostasis; the nursing role and continuum of care as applied to cardiac, respiratory, and endocrine systems; and medication and fluid administration. Includes hands-on experience in the nursing lab, simulation lab, and direct patient care in the clinical setting. Lab fee \$59.50. **Prerequisite(s)** NURS 101 , NURS 111 **Corequisite(s):** NURS 102

#### **NURS 113 - Common Alterations in Health II Practicum**

**5 Unit(s)** Practical application of health assessment and medical/surgical nursing skills. Emphasizes provision of medical surgical nursing care of adults in acute care, procedural, and community settings.

Includes hands-on experience in the nursing lab, simulation lab, and direct patient care in the clinical setting. Lab fee \$59.50. **Prerequisite(s)** NURS 102 , NURS 112. **Corequisite(s):** NURS 103

### **NURS 201 - Mental Health and Lifespan**

**7 Unit(s)** Progressive competencies reflecting program themes are applied to caring for clients with mental health alterations, complications of child-bearing, high-risk newborns, and children. Expands on program theme of the role of nurse to provide a stronger theoretical foundation for assuming a management and leadership role in a variety of care settings. Lab fee: \$501.83. **Prerequisite(s)** Admission into Centralia College Nursing Program. **Corequisite(s):** NURS 211.

### **NURS 202 - Complex Alterations in Health**

**7 Unit(s)** Course prepares students to care for patients with complex health issues. Students will focus on managing cardiovascular and respiratory conditions, hematology and oncology, fluid, electrolyte, and pH imbalances, and pain management. Students will develop critical thinking and clinical judgement to assess, plan, and implement interventions for acute and chronic conditions. Lab fee \$501.83. **Prerequisite(s)** NURS 201 and NURS 211. **Corequisite(s):** NURS 212.

### **NURS 203 - Complex Management**

**8 Unit(s)** Continues the development of progressive competencies in homeostasis, nursing roles, and care continuity for complex health needs through on-campus theory and community-based capstone projects. Lab fee: \$501.83 **Prerequisite(s)** NURS 202, NURS 212. **Corequisite(s):** NURS 222.

### **NURS 211 - Mental Health and Lifespan Practicum**

**5 Unit(s)** Practical application of health assessment and fundamental nursing skills within the in-patient and specialty unit populations. Includes hands-on experience in the nursing lab, simulation lab, and direct patient care in the varied community and in-patient clinical settings. Lab fee is \$126.40. **Prerequisite(s)** Admission into Centralia College Nursing Program. **Corequisite(s):** NURS 201

### **NURS 212 - Complex Alterations in Health Practicum**

**5 Unit(s)** Course offers students hands-on experience caring for patients with complex conditions in clinical and simulated environments. Students will develop critical thinking and practical skills, managing diverse health issues across various settings. Through patient care and simulation, students learn to assess, prioritize, and implement advanced nursing interventions in dynamic, interdisciplinary teams. Lab fee: \$29.50. **Prerequisite(s)** NURS 201 , NURS 211. **Corequisite(s):** NURS 202

### **NURS 222 - Transition to Practice**

**4 Unit(s)** The opportunity to be mentored in the practice of professional nursing practice provided through preceptor-guided experiences in selected specialties in various acute-care and community-based settings. Lab fee \$50. **Prerequisite(s)** NURS 202, NURS 212. **Corequisite(s):** NURS 203.

## ***Nursing Assistant***

### **HLSV 110 - Basic Life Support for Healthcare**

**1 Unit(s)** Course covers the information and skills needed for adult, child, and infant cardiopulmonary resuscitation; the use of an automated external defibrillator; recognition and treatment of choking; safety factors in training and actual rescue. Lab fee \$15.

### **HLSV 131 - Nursing Assistant - Certified**

**12 Unit(s)** This comprehensive training course provides awareness of the role of the nursing assistant (WAC 246-841). A nursing assistant demonstrates competency in basic technical and communication skills and recognizes individual, cultural, and religious diversity. Specialty credentials in Dementia, Mental Health, Nurse Delegation, and Special Focus on Diabetes are included. A favorable background check is required to participate in clinicals (RCW 18.130.064). Lab fee \$290. **Prerequisite(s)** Favorable background check to participate in clinicals **Corequisite(s):** HLSV 110 **Distribution Requirement(s):** Health & Fitness.

### **HLSV 135 - Traumatic Brain Injury**

**2 Unit(s)** Learn the basics of brain anatomy and function and how injury may affect a Traumatic Brain Injury (TBI) survivor. Topics include brain injury management, understanding changes in behavior and mood, communication strategies and self-care

strategies. Lab fee \$15.

### **HLSV 160 - Emergency Medical Technician**

**15 Unit(s)** This course covers all emergency medical care techniques presently considered technicians' responsibilities in their roles. The class is designed to ensure a uniformly high level of knowledge and skills among emergency care professionals. Lab fee is \$1290. **Prerequisite(s)** Healthcare provider CPR or instructor permission

### ***Nutrition***

#### **NUTR 103 - Introduction Food Science w/Lab (NS)**

**5 Unit(s)** Introduction to the biology, chemistry, microbiology, ethics, history, preparation, and production of food. Includes independent laboratories and field trips. **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

#### **NUTR& 101 - Nutrition (NS)**

**5 Unit(s)** An exploration of human nutrition with an emphasis on metabolism, digestion, dietary planning and analysis, and weight control. **Prerequisite(s)** High school-level biology or chemistry. **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

### ***Oceanography***

#### **OCEA& 101 - General Oceanography (NS)**

**5 Unit(s)** Explore the physical, geological, chemical and biological characteristics of the world ocean: waves and tides, ocean and atmosphere circulation, coastal features and beach processes, origin and structure of ocean basins, sediments, ocean chemistry and physics, earth structure and plate tectonics, and life in the oceans. ) **Distribution Requirement(s):** Natural Science **ICRC Approved Elective**

### ***Open Door***

#### **OD 001 - Portfolio & English**

**1 to 10 Unit(s)** High School course in which students demonstrate English competency through student self-evaluation of prior education, previous and current employment, and life experiences-in fulfillment of one's high school diploma competencies and graduation requirements. **Prerequisite(s)** Acceptance into program

#### **OD 002 - CWP, Environmental Science, English**

**1 to 10 Unit(s)** High School course in which students demonstrate English competency through the study of CWP's and Environmental Science in fulfillment of one's high school diploma competencies and graduation requirements. **Prerequisite(s)** Acceptance into program.

#### **OD 003 - Life Science & English**

**1 to 10 Unit(s)** High School course in which students demonstrate English competency through the study of Life Science and scientific thinking in fulfillment of one's high school diploma competencies and graduation requirements. **Prerequisite(s)** Acceptance into program

#### **OD 004 - OCC Education & English**

**1 to 10 Unit(s)** High School course in which students demonstrate English competency through the study of communication, occupational skills and work opportunities in fulfillment of one's high school diploma competencies and graduation requirements. **Prerequisite(s)** Acceptance into program

#### **OD 005 - US History, Government, FA, English**

**1 to 10 Unit(s)** High School course in which students demonstrate English competency through the study of US History, Government and Fine Arts in fulfillment of one's high school diploma competencies and graduation requirements. **Prerequisite(s)** Acceptance into program

#### **OD 006 - WA State History, English**

**1 to 10 Unit(s)** High School course in which students demonstrate English competency through the study of Washington State History in fulfillment of one's high school diploma competencies and graduation requirements. **Prerequisite(s)** Acceptance into program

#### **OD 007 - Health, Fitness & English**

**1 to 10 Unit(s)** High School course in which students demonstrate English competency through the study of the emotional, physical, and mental components of health and the development of an individual health and fitness program in fulfillment of one's high school diploma competencies and graduation requirements. **Prerequisite(s)** Acceptance into program

### **OD 008 - Algebra I**

**1 to 5 Unit(s)** High School course in Algebra 1 which students complete in fulfillment of one's high school diploma competencies and graduation requirements.

**Prerequisite(s)** Acceptance into program

### **OD 009 - Algebra 2**

**1 to 5 Unit(s)** High School course in Algebra 2 which students complete in fulfillment of one's high school diploma competencies and graduation requirements.

**Prerequisite(s)** Acceptance into program

### **OD 010 - Geometry**

**1 to 5 Unit(s)** High School course in Geometry which students complete in fulfillment of one's high school diploma competencies and graduation requirements.

**Prerequisite(s)** Acceptance into program.

### **OD 011 - English for Civic Literacy Levels 1,2,3**

**1 to 10 Unit(s)** Beginner course for non-native speakers of English. This class will build upon students' understanding of English and apply it to situations and contexts outside the classroom relating to community use and civic responsibility's. Students will work with real-world materials to increase their reading writing, grammar, listening, speaking, and vocabulary skills. **Prerequisite(s)** CASAS Scores below 200.

### **OD 022 - English for Civic Literacy Levels 4,5,6**

**1 to 10 Unit(s)** Course for non-native speakers of English. This class will build upon students' understanding of English and apply it to situations and contexts outside the classroom relating to community use and civic responsibilities. Students will work with real-world materials to increase their reading, writing, grammar, listening, speaking, and vocabulary skills.

**Prerequisite(s)** CASAS Scores 200 and over.

### **OD 090 - WL-SPAN 1, ART (ABE)**

**1 to 5 Unit(s)** This is an introductory course which satisfies the Washington State Board of Education's requirements for competency in both Spanish and Fine Arts, focusing on communication skills, and how art influences and reflects culture and civilization. Students earn high school credits in: World Language (1) and Art (1).

### **OD 091 - WL-SPAN 2, ART (ABE)**

**1 to 5 Unit(s)** A continuation of high school Spanish which satisfies the Washington State Board of Education's requirements for competency in both Spanish and Fine Arts, focusing on communication skills, and how art influences and reflects culture and civilization. Students create a notebook of language and art. The course includes four portfolio projects. Students earn high school credits in: World Language (1) and Art (1).

## ***Philosophy***

### **PHIL& 101 - Introduction to Philosophy (H)**

**5 Unit(s)** Investigate the assumptions philosophers have made about reality, knowledge, truth, God, morality, social construction, freedom and paternalism. **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

### **PHIL 103 - Introduction to Ethics (H)**

**5 Unit(s)** Focus on choices made in concrete circumstances. Study traditional ethical theories and present-day moral dilemmas. ) **Distribution Requirement(s):** Humanities, **ICRC Approved Elective**

## ***Phlebotomy***

### **PHLE 131 - Intro to Phlebotomy**

**6 Unit(s)** Laboratory procedures and regulations as set forth by federal standards will be the focus of this course. The student phlebotomy technician will be taught how to perform Clinical Laboratory Improvement Amendments (CLIA) waived laboratory testing that is within their scope of practice in the medical office laboratory. Lab fee is \$164.02.

**Prerequisite(s)** M A 139 Medical Terminology, BIOL& 170 Human Biology

### **PHLE 132 - Advanced Phlebotomy**

**8 Unit(s)** Expansion of Phlebotomy skills introduced in PHLE 131. This course will offer lecture and lab sessions with emphasis on hands on practice and dexterity for successful and safe venipuncture. Lab fee \$125. **Prerequisite(s)** PHLE 131 with a 2.5 GPA or higher

### **PHLE 201 - Phlebotomy for Healthcare 1**

**6 Unit(s)** Laboratory procedures and regulations as set forth by federal standards will be the focus of this

course. The student phlebotomy technician will be taught how to perform Clinical Laboratory Improvement Amendments (CLIA) waived laboratory testing that is within their scope of practice in the medical office laboratory. Lab fee \$150.

**Prerequisite(s)** Healthcare provider license MA, RN, NA-C.

## **PHLE 202 - Phlebotomy for Healthcare 2**

**8 Unit(s)** Expansion of Phlebotomy skills introduced in PHLE 201. This course will offer lecture and lab sessions with emphasis on hands on practice and dexterity for successful and safe venipuncture. Lab fee \$125. **Prerequisite(s)** PHLE 201 with a 2.5 GPA or higher and healthcare license.

## ***Physical Education***

### **P E 101 - Introduction to Physical Education**

**3 Unit(s)** A survey course designed for students considering a career in physical education, recreation and sports. Presents background information for the wide scope of career opportunities. Lab fee \$3.10.

### **P E 107 - Cycling Basics (HF)**

**2 Unit(s)** A class consisting of road tours of varying distances as well as classroom lectures. Each student must have a bicycle in good repair and an approved helmet. Lab fee \$3.10. **Distribution Requirement(s):** Health & Fitness

### **P E 110 - Physical Fitness (HF)**

**1 Unit(s)** Study all five areas of fitness: aerobic endurance, muscle strength, muscle endurance, flexibility, and body composition. Students work at their own fitness levels. Lab fee \$3.10. **Distribution Requirement(s):** Health & Fitness

### **P E 111 - Fitness In The Workplace (HF)**

**1 to 2 Unit(s)** Course will increase cardiovascular endurance, flexibility, and increase strength. Students will develop and conduct their own personal fitness program. Lab fee \$3.10. **Distribution Requirement(s):** Health & Fitness

### **P E 120 - Lifestyle Management & Exercise (HF)**

**2 Unit(s)** Designed to assist individual in making lifestyle changes associated with health and fitness. Lab fee \$3.10. **Distribution Requirement(s):** Health & Fitness

### **P E 121 - Stretching & Flexibility (HF)**

**1 Unit(s) Distribution Requirement(s):** Health & Fitness. Learn and perform safe stretches to increase flexibility and range of motion. Understand how stretching can help decrease injury, recover after other workouts and calm the mind and body. Lab fee \$3.10.

### **P E 123 - Basic Weight Training/Conditioning (HF)**

**1 Unit(s) Distribution Requirement(s):** Health & Fitness. Designed to condition the musculature of the body using machine and free weights. Lab fee \$3.10.

### **P E 125 - Free Weights (HF)**

**1 Unit(s)** Designed to develop muscle fitness through lifting free weights, Olympic lifts, plyometrics and power lifting. Students need prior weight training experience. Lab fee \$3.10. **Distribution Requirement(s):** Health & Fitness

### **P E 140 - Boot Camp Basics (HF)**

**1 Unit(s)** A high-impact exercise class designed to improve muscle strength, endurance, flexibility and aerobic capacity. lab fee \$3.10. **Distribution Requirement(s):** Health & Fitness

### **P E 141 - Elite Fitness**

**1 Unit(s)** A combination of cardio, strength, core and circuit training in athletic conditioning format. Topics of athletic durability, athletic functional training, and the typical physical adaptations will be covered throughout the quarter. Lab fee is \$3.10. **Prerequisite(s)** Instructor permission

### **P E 142 - Cardio Conditioning (HF)**

**1 Unit(s)** A combination of current cardio experiences to improve cardiovascular endurance, body composition, muscle fitness and flexibility. A variety of movements will be explored, including step aerobics, kickboxing, HIIT, Zumba and circuits. Lab fee \$3.10. **Distribution Requirement(s):** Health & Fitness

### **P E 150 - Yoga (HF)**

**1 Unit(s)** An exercise class integrating components of flexibility, muscular strength and endurance, and relaxation. Students will be encouraged to work at their own level of fitness. Lab fee \$3.10. **Distribution Requirement(s):** Health & Fitness.

### **P E 151 - Aerobic Fitness/Walking (HF)**

**1 Unit(s)** A fitness program emphasizing aerobic activities only. Designed to develop cardiovascular endurance, flexibility and body composition. Lab fee \$3.10. **Distribution Requirement(s):** Health & Fitness.

### **P E 152 - Pilates/Core (HF)**

**1 Unit(s)** An exercise class designed to teach breathing with movement, body mechanics, balance, coordination, spatial awareness, strength and flexibility. Lab fee \$3.10. **Distribution Requirement(s):** Health & Fitness.

### **P E 153 - Tai Chi Basics (HF)**

**1 Unit(s)** Develop balance, lower-body strength and relaxation in motion with Wu Style Tai Chi. Students will work at their own level of fitness. Lab fee \$3.10. **Distribution Requirement(s):** Health & Fitness.

### **P E 158 - Beginning Tae Kwon Do (HF)**

**2 Unit(s)** Develop balance, coordination, agility, spatial awareness, strength and flexibility through the Korean art of Tae Kwon do. Students will work at their own level of fitness. Lab fee is \$3.10. **Distribution Requirement(s):** Health & Fitness  
Distribution

### **P E 159 - Intermediate Tae Kwon Do**

**2 Unit(s)** Further development of the techniques, forms, the sport, and self defense aspects required to advance to blue belt in the Korean martial art of Tae Kwon Do. Lab fee \$3.10.

### **P E 160 - Advanced Tae Kwon Do**

**2 Unit(s)** Further development of the techniques, forms, the sport, and self defense aspects required to advance to blue and orange belt in the Korean martial art of Tae Kwon Do. Lab fee \$3.10.

### **P E 168 – Lifetime Fitness (HF)**

**2 Unit(s)** Cardiovascular endurance, muscle fitness, weight management and flexibility will be studied. One lecture hour and two hours of activity per week. Lab fee \$3.10. **Distribution Requirement(s):** Health & Fitness

### **P E 210 - Advanced Physical Fitness (HF)**

**1 Unit(s)** Designed to continue the individual's personal health-related physical fitness - cardiovascular endurance, muscular strength, muscular endurance, body composition and flexibility. Students will be encouraged to work at their own level of fitness. Lab fee \$3.10. **Prerequisite(s)** PE 110 or instructor permission. **Distribution Requirement(s):** Health & Fitness.

### **P E 211 - Advanced Fitness In the Workplace**

**1 to 2 Unit(s)** Course will continue to increase cardiovascular endurance, flexibility, and increase strength. Students will develop and conduct their own advanced personal fitness program. Lab fee \$3.10. **Prerequisite(s)** P E 111

### **P E 223 - Advanced Weight Training (HF)**

**1 Unit(s)** Advanced weight training methods and programs including Olympic lifting and power lifting programs. Lab fee \$3.10. **Prerequisite(s)** P E 123  
**Distribution Requirement(s):** Health & Fitness.

### **P E 229 - Physical Fitness Concepts (HF)**

**3 Unit(s)** A combination of theory and practice in the development of physical fitness. Two lecture hours and two activity hours per week. Lab fee \$3.10. **Distribution Requirement(s):** Health & Fitness

## *Physics*

### **PHYS& 110 - Phys: Non-Sci Majors W/Lab (NS)**

**5 Unit(s)** A survey of physics with applications in everyday life for non-science majors. Basic concepts in Newtonian mechanics, thermodynamics, electricity, magnetism, optics, and modern physics. Requires knowledge of basic algebra. Includes a 2 hour lab. Lab fee \$16.26. **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

### **PHYS& 114 - General Phys I w/Lab (NS)**

**5 Unit(s)** Fundamentals of classical mechanics. The first of a three quarter sequence for science majors not requiring calculus based physics. Classical mechanics including statics and dynamics of particles, rigid bodies, and fluids. Lab fee \$17.90 **Prerequisite(s)** Two years HS algebra and trigonometry or concurrent enrollment in MATH 110 **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

### **PHYS& 115 - General Phys II W/Lab (NS)**

**5 Unit(s)** Fluids, electrostatics, simple circuits, and the fundamental laws of thermodynamics. A continuation of PHYS& 114. Lab fee \$17.90.

**Prerequisite(s)** PHYS& 114. **Distribution Requirement(s):** Natural Science. **ICRC Approved Elective**

### **PHYS& 116 - General Phys III w/Lab (NS)**

**5 Unit(s)** Magnetism and A.C. circuits, optics, and modern physics. Includes Laws of Faraday, Lenz, and Ampere, geometrical and physical optics, special relativity, atomic and nuclear physics. A continuation of PHYS& 114 and PHYS& 115. Lab fee \$17.90.

**Prerequisite(s)** PHYS& 115. **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

### **PHYS& 221 - Engineering Physics I (NS)**

**5 Unit(s)** First in a three quarter calculus-based sequence for science and engineering majors stressing classical mechanics. Include dynamics of translational, rotation, and oscillatory systems of solids, particles and fluids. Lab fee \$18.68.

**Prerequisite(s)** MATH& 151 **Corequisite(s):** MATH& 152 **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

### **PHYS& 222 - Engineering Physics II (NS)**

**5 Unit(s)** Wave motion, thermodynamics, and electrostatics. Includes sound, heat transfer, law of thermodynamics, and electric fields. Lab fee \$18.68.

**Prerequisite(s)** PHYS& 221 and MATH& 152 **Corequisite(s):** MATH& 153 **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

### **PHYS& 223 - Engineering Physics III (NS)**

**5 Unit(s)** Optics modern physics, electricity and magnetism. Includes geometrical and physical optics, Maxwell's equations, AC/DC circuits and special relativity. Lab fee is \$19.22. **Prerequisite(s)** PHYS& 222 and MATH& 153 **Distribution Requirement(s):** Natural Science, **ICRC Approved Elective**

### **PHYS 270 - Research in Physics (AE)**

**12 Unit(s)** Design a research project, set up experiments, collect data in the lab or in the field, and/or analyze data. Each credit hour requires 33

hours of activity per quarter. **Prerequisite(s)** Instructor permission, **ICRC Approved Elective**

## ***Political Science***

### **POLS& 101 - Intro Political Science (SS)**

**5 Unit(s)** Exploration of the fundamentals of political science: key concepts, principles, and theories. Analyze why and how leaders make the decisions they do, and why citizens obey most of these decisions. **Distribution Requirement(s):** Social Science, **ICRC Approved Elective**

### **POLS& 202 - American Government (SS)**

**5 Unit(s)** Students will examine the American political structure and its ideological roots. We will explore how the structure is organized and how it operates. **Distribution Requirement(s):** Social Science, **ICRC Approved Elective**

### **POLS& 204 - Comparative Government (D) (SS)**

**5 Unit(s)** Examine political theory and application within a comparative framework: ideology, nature of participation, as well as a variety of governmental structures, and functions. Contemporary situations will provide the cases for example and analysis. **Distribution Requirement(s):** Social Science, Diversity, **ICRC Approved Elective**

### **POLS 220 - International Terrorism (AE)**

**5 Unit(s)** An introduction to terrorism in contemporary society, focusing on the underlying political, social, economic, cultural and religious causes, its use as a political tool and measures to be taken to counter and prevent its use. **ICRC Approved Elective**

### **POLS 280 - History of American Foreign Relations (SS)**

**5 Unit(s)** Survey of American foreign relations from the 17th to 21st centuries, focusing on such issues as national security, economic needs, capitalism, and democracy and imperialism. **Distribution Requirement(s):** Social Science, **ICRC Approved Elective**

## ***Psychology***

### **PSYC& 100 - General Psychology (SS)**

**5 Unit(s)** An introduction to the scientific study of behavior: history, research methods, biology of behavior, lifespan development, sensation and perception, learning, memory, intelligence, motivation, emotion, personality, psychological disorders and therapies, and social psychology. )  
**Distribution Requirement(s):** Social Science, **ICRC Approved Elective**

### **PSYC& 180 - Human Sexuality**

**5 Unit(s)** A scientific and sociocultural approach to the study of human sexuality and sexual behavior, related to physiological and psychological components. Topics include sexuality across the lifespan, relationships, reproduction, pregnancy, contraception, abortion, gender diversity, sexual orientation, communication, sexual health, dysfunction, and related therapeutic approaches. **Prerequisite(s)** PSYC& 100

### **PSYC& 200 - Lifespan Psychology (SS)**

**5 Unit(s)** Human development from conception to death. Basic concepts and principles of biological, cognitive, and psychosocial development are integrated for each age period. Typical developmental tasks as well as problems are emphasized.  
**Prerequisite(s)** PSYC& 100 **Distribution Requirement(s):** Social Science, **ICRC Approved Elective**

### **PSYC 209 - Research Methods (AE)**

**5 Unit(s)** Overview of scientific method, major research designs, statistical concepts, and utilization of materials related to scientific journals.  
**Prerequisite(s)** PSYC& 100 MATH& 146. **ICRC Approved Elective**

### **PSYC 210 - Introduction to Personality (AE)**

**5 Unit(s)** An introduction to the study of personality, including major theories, with a focus on basic principles of psychology and their application to personality development, personal growth and psychological adjustment. **Prerequisite(s)** PSYC& 100 or instructor permission, **ICRC Approved Elective**

### **PSYC& 220 - Abnormal Psychology (AE)**

**5 Unit(s)** An introduction to the study of abnormal behavior, including behavioral problems, personality

disorders and maladjustment, and the study of the causes, diagnoses, and treatment. **Prerequisite(s)** PSYC& 100, **ICRC Approved Elective**

### **PSYC 250 - Social Psychology (AE)**

**5 Unit(s)** The scientific study of how a person's thoughts, emotions and behaviors are influenced by other people. Includes an exploration of: propaganda, persuasion, social cognition, human aggression, prejudice, love, and interpersonal sensitivity.  
**Prerequisite(s)** PSYC& 100 or instructor permission, **ICRC Approved Elective**

### **PSYC 320 - Leadership & Organizational Behavior (SS)**

**5 Unit(s)** Relate theory and research to organizational problems by reviewing advanced concepts in motivation, perception, leadership, decision-making, communication and influence, group behavior, diversity, conflict and cooperation, politics, corporate culture, organizational structure, and environmental influences. **Distribution Requirement(s):** Social Science, **ICRC Approved Elective**

### **PSYC 409 - Positive Psych, Health & Aging**

**5 Unit(s)** This course examines the foundations of positive psychology and its relationship to healthy aging through PERMA (Positive emotion, Engagement, Relationship, Meaningfulness, and Achievement), explore positive interventions through theory, research and practice, and presents an overview on aging that includes the social aspects, personality's effects on aging, and research on learned helplessness. **Prerequisite(s)** PSYC& 100, admission in BASBH program. **Distribution Requirement(s):** Social Science Distribution (SS) 5 Unit(s)

## *Science*

### **SCIE 100 - College & Career Success: STEM (AE)**

**3 Unit(s)** Prepares students for college and career success through activities enhancing self-awareness and developing self-management skills and strategies. Students will learn to navigate college; reflect on diversity; identify career goals, and develop essential skills for academic success, information literacy, critical thinking, effective communication, time management, resource utilization, and financial planning. Lab fee \$15.

## *Social Studies Teachers*

### **SST 365 - Social Studies for Teachers (SS)**

**5 Unit(s)** Explores the specific concepts and topics in social studies. Applies methods used to teach through integrated thematic units of curriculum and instruction, incorporating current research and best practices for teaching. **Prerequisite(s)** Admittance into BAS program or administrator approval  
**Distribution Requirement(s):** Social Science

## *Sociology*

### **SOC& 101 - Intro to Sociology (D)(SS)**

**5 Unit(s)** Introduces sociology, including the theories, methods, and topics central to the discipline. Focuses on developing the ability to analyze the relationship between the individual and society. Topics relate to the components of our social world (e.g., social structure, culture, institutions), group dynamics, individuals and identity, socialization, and inequality. **Distribution Requirement(s):** Social Science, Diversity, **ICRC Approved Elective**

### **SOC 125 - Sociology of Family (D)(SS)**

**5 Unit(s)** Introduces the study of family as a social institution. Examines historical and cultural variations in the institution of family and the diversity of family forms and relationships in contemporary society. Explores connections between the family and wider social forces and analyzes the functions families serve for individuals and society. **Distribution Requirement(s):** Social Science, Diversity, **ICRC Approved Elective**

### **SOC 150 - Introduction to Social Work (D) (SS)**

**5 Unit(s)** Introduction to the field of social work, including the history of the profession; fields of practice and career opportunities; ethics and principles; diversity and social justice issues; and social welfare policies. Engages with sociological perspectives on social problems and the relationship between individuals and the social systems in which they participate. **Distribution Requirement(s):** Diversity, Social Science, **ICRC Approved Elective**

### **SOC 190 - Cooperative Work Experience**

**1 to 12 Unit(s)** Cooperative Work Experience allows students to apply classroom learning to on-the-job

settings. Credit is earned for new and continued learning taking place in the work environment. Reaching set learning objectives and development of positive work habits are emphasized. The Cooperative Education Coordinator, (the student employee and the worksite supervisor) arrange (the) Cooperative Work Experience. 60-360 hours on-the-job per quarter.

**Prerequisite(s)** Instructor permission **Corequisite(s):** Attendance at a Work Experience Seminar is required of Co-op students. You must take the Work Experience Seminar before or in the same quarter as the Co-op course. **ICRC Approved Elective**

### **SOC& 201 - Social Problems (D)(SS)**

**5 Unit(s)** Examines why and how certain social phenomena come to be viewed (or not) as problems. Reviews sociological research on some of the major issues occurring in our society today (e.g., those related to deviance, health, the environment, social inequality) and analyzes approaches to solving social problems. **Distribution Requirement(s):** Social Science, Diversity **ICRC Approved Elective**

### **SOC 225 - Race & Ethnicity (D)(SS)**

**5 Unit(s)** Introduces the study of race and ethnicity from sociological and anthropological perspectives. Examines how race and ethnicity operate in relation to identities, interactions, institutions, cultures, and systems, with a focus on inequality and power. Focuses on race and ethnicity in the contemporary U.S., with historical and cross-cultural comparisons. **Distribution Requirement(s):** Social Science, Diversity, **ICRC Approved Elective**

### **SOC 260 - Sociology of Gender (D)(SS)**

**5 Unit(s)** Introduction to the sociology of gender. Examines gender as a social construction, component of identity, and system of inequality. Considers how gender relates to other identities/inequalities, such as race and sexuality, and institutions, such as family, media, religion, and politics. **Distribution Requirement(s):** Diversity, Social Science

## *Spanish*

### **SPAN& 121 - Spanish I (H)**

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

**Distribution Requirement(s):** Humanities, ICRC  
**Approved Elective**

### **SPAN& 122 - Spanish II (H)**

**5 Unit(s)** Second class in sequence. Learn the fundamental skills of listening comprehension, speaking, reading and writing. Develop an awareness of Spanish speaking countries and their cultures.

**Prerequisite(s)** SPAN& 121 or instructor permission.

**Distribution Requirement(s):** Humanities, ICRC  
**Approved Elective**

### **SPAN& 123 - Spanish III (H)**

**5 Unit(s)** Third class in sequence. Learn the fundamental skills of listening comprehension, speaking, reading and writing. Develop an awareness of Spanish speaking countries and their cultures.

**Prerequisite(s)** SPAN& 122 or instructor permission

**Distribution Requirement(s):** Humanities, ICRC  
**Approved Elective**

### **SPAN 170 - Latin American Texts (H)**

**5 Unit(s)** A survey course analyzing representative texts of Latin American literature in English from the pre-Columbian period to the present. Develop an understanding of the historical and cultural contexts and apply literary criticism. **Distribution**

**Requirement(s):** Humanities, ICRC **Approved Elective**

### **SPAN 201 - Heritage Spanish I (H)**

**5 Unit(s)** Introduction to academic Spanish for heritage/native speakers. Course is first sequence designed to prepare speakers for more advanced study. Areas of focus included grammar terminology, spelling, accentuation, reading, writing and discussion of cultural topics. **Prerequisite(s)** Native or heritage speaker of Spanish, instructor permission required.

**Distribution Requirement(s):** Humanities, ICRC  
**Approved Elective**

### **SPAN 202 - Heritage Spanish II (H)**

**5 Unit(s)** Introduction to academic Spanish for heritage/native speakers. Course is second in sequence designed to prepare speakers for more advanced study. Areas of focus include grammar terminology, spelling, accentuation, reading, writing and discussion of cultural topics. **Prerequisite(s)** Native or heritage speaker of Spanish, instructor permission required

**Distribution Requirement(s):** Humanities, ICRC

**Approved Elective**

## ***Student Development***

### **COLL 100 - College & Career Success**

**3 Unit(s)** Prepares students for college and career success through activities that enhance self-awareness, and developing self-management skills and strategies. Students will learn to navigate college; reflect on diversity; identify career goals, and develop essential skills for academic success, information literacy, critical thinking, effective communication, time management, resource utilization, and financial planning. The lab fee is \$15.

### **SDEV 99 - Study Skills for Career and College Success**

**2 Unit(s)** Prepares students for college and career success through activities to enhance self-awareness, computer skill, develop self management skills, and learning strategies. Students will learn to identify career and college goals, develop essential skills for academic success, information literacy, critical thinking, effective communication, and time management.

## ***Substance Use Disorder Professional***

### **SUDP 100 - Introduction to SUDP (AE)**

**5 Unit(s)** Introduction to the field of substance use disorder counseling. Topics include theories surrounding the etiology of addiction, basic psychopharmacology, Federal and State regulations, introduction to prevention, intervention, assessment, treatment planning and case management. **ICRC Approved Elective**

### **SUDP 110 - Counseling Techniques**

**4 Unit(s)** An overview of techniques and theoretical approaches to substance use disorder counseling. Practical training designed to develop interviewing and substance use disorder counseling skills when working with diverse populations within all levels of care. **Prerequisite(s)** SUDP 100 (2.0 or higher) or instructor permission is required for this course to count toward the Substance Use Disorder Professional degree.

### **SUDP 120 - Substance Use & Family**

**4 Unit(s)** An examination of substance use, misuse,

and dependency within the family system. Course emphasis on the integration of Family System and Substance Use Disorder approaches when working with chemically dependent families. **Prerequisite(s)** SUDP 100 (2.0 or higher) or instructor permission is required for this course to count toward the Substance Use Disorder Professional degree.

### **SUDP 130 - Drug & Alcohol Responses**

**5 Unit(s)** Physical, psychological, and behavioral response to alcohol, drugs, and compulsive behaviors. Topics include drug classification, the neurochemistry of addiction, and an overview of basic drug kinetics to include absorption, distribution, metabolism, and elimination. **Prerequisite(s)** SUDP 100 (2.0 or higher) or instructor permission is required for this course to count toward the Substance Use Disorder Professional degree.

### **SUDP 200 - Law & Ethics**

**4 Unit(s)** Contemporary legal and ethical issues in substance use disorder counseling including professional and peer relationships, boundaries, NAADAC code of ethics, multiple relationships and values in the counseling relationship, and laws surrounding counseling including confidentiality and HIPAA. **Prerequisite(s)** SUDP 100 (2.0 or higher) or instructor permission is required for this course to count toward the Substance Use Disorder Professional degree.

### **SUDP 210 - Cultural Diversity**

**3 Unit(s)** Designed to explore self-awareness and improve knowledge and skills of substance use disorder professionals while working with clients from diverse cultural backgrounds. **Prerequisite(s)** SUDP 100 (2.0 or higher) or instructor permission is required for this course to count toward the Substance Use Disorder Professional degree.

### **SUDP 220 - Counseling Adolescents**

**5 Unit(s)** An overview course covering the Bio-Psycho-Social risk and protective factors associated with adolescent substance use, misuse, and dependency. Topics: Adolescent brain development: assessment, treatment, and referral; client, family, and community education, prevention, and intervention. **Prerequisite(s)** SUDP 100 (2.0 or higher) or instructor permission is required for this course to count toward the Substance Use Disorder Professional

degree.

### **SUDP 230 - Assess & Treatment Plans**

**5 Unit(s)** Course introduces students to the current standard used in assessing, diagnosing, and treating those with substance use and co-occurring disorders. **Prerequisite(s)** SUDP 100 (2.0 or higher) or instructor permission is required for this course to count toward the Substance Use Disorder Professional degree.

### **SUDP 240 - Group Counseling**

**5 Unit(s)** An introduction to group dynamics and group process, as applied to Substance Use Disorder counseling. Topics include group formation and planning, ethical considerations, diversity, group developmental stages, documentation, and group counseling approaches/techniques. **Prerequisite(s)** SUDP 100 (2.0 or higher) or instructor permission is required for this course to count toward the Substance Use Disorder Professional degree.

### **SUDP 250 - Relapse Prevention**

**2 Unit(s)** An overview of the recovery process with an emphasis on Relapse Prevention. Topics include identifying warning signs of relapse, Post-Acute Withdrawal Syndrome, and developing effective relapse prevention strategies and techniques with the client. **Prerequisite(s)** SUDP 100 (2.0 or higher) or instructor permission is required for this course to count toward the Substance Use Disorder Professional degree.

### **SUDP 260 - Supervised Practicum**

**5 Unit(s)** Allows the student to bridge their classroom education and training in a supervised practicum in a pre-arranged faculty approved facility for 150 supervised hours that includes a minimum of 50 face-to-face hours under direct supervision. Lab fee is \$17. **Prerequisite(s)** SUDP 100 (2.0 or higher) or instructor permission.

### **SUDP 261 - SUDP Capstone**

**5 Unit(s)** This course facilitates students' preparation for working in the substance use disorder field and is designed for a student to demonstrate the application of principles and theories studied in the Substance Use Disorder Professional program. **Prerequisite(s)** Completed or enrolled in final SUDP courses and instructor permission.

## *Industrial Trades*

### **TRDS 101 - College & Career Success: TRDS**

**3 Unit(s)** Prepares students for college and career success through activities enhancing self-awareness and developing self-management skills and strategies. Students will learn to navigate college; reflect on diversity; identify career goals, and develop essential skills for academic success, information literacy, critical thinking, effective communication, time management, resource utilization, and financial planning. Lab fee \$15.

### **TRDS 150 - Print Reading**

**2 Unit(s)** The foundation of print reading in the industrial trades. Included is print reading relative to welding, pipe-fitting, electrical, fluids, and construction.

### **TRDS 160 - CAD for Industry**

**2 Unit(s)** Introduction to computer-aided drafting (CAD), editing, dimensioning, drawing aids, and layer control design used in industrial trades.

**Prerequisite(s)** TRDS 150 or instructor permission

## *Welding*

### **WELD 130 - SMAW I**

**12 Unit(s)** Introduction to shielded metal-arc welding (SMAW). The lab consists of safety, machine setup and operation, joint design, and electrode selection.

### **WELD 131 - FCAW/GMAW I**

**12 Unit(s)** Gas metal-arc welding (GMAW) and flux-cored arc welding (FCAW) safety, setup, operation, and troubleshooting. Lab practices include butt, lap, tee, and corner joints in all positions. **Prerequisite(s)** WELD 130 with a 2.0 or higher

### **WELD 132 - GTAW I**

**12 Unit(s)** Theory and practice of oxyacetylene welding, brazing, cutting, and gas tungsten arc welding (GTAW). Safety, handling, and use of compressed gases, materials, types of weld joints, and procedures will be studied. **Prerequisite(s)** WELD 130 and WELD 131 with a 2.0 or higher

### **WELD 151 - Welding for Mechanics**

**5 Unit(s)** Introduction of cutting and welding processes. Includes information on welding equipment and material, various welding techniques and proper safety procedures. permission. Lab fee \$73.78.

**Prerequisite(s)** DET 110 or DET 130 or instructor permission.

### **WELD 159 - GTAW I**

**6 Unit(s)** Theory and practice of oxyacetylene welding, brazing, cutting and gas tungsten arc welding (GTAW). Safety, handling and use of compressed gases, materials, types of weld joints, and procedures will be studied. Lab fee is \$143.09. **Prerequisite(s)** WELD 164, WELD 165 and WELD 267.

**Corequisite(s):** WELD 195 and WELD 259.

### **WELD 161 - SMAW I**

**6 Unit(s)** Introduction to shielded metal arc welding (SMAW). The lab consists of safety, machine setup and operation, joint design, and electrode selection. Lab fee \$173.44. **Corequisite(s):** WELD 265.

### **WELD 164 - FCAW/GMAW I**

**6 Unit(s)** Gas metal-arc welding (GMAW) and flux-cored arc welding (FCAW) safety, setup, operation, and troubleshooting. Lab practices include butt, lap, tee, and corner joints in all positions. Lab fee \$173.44. **Prerequisite(s)** WELD 161, WELD 165 and WELD 265. **Corequisite(s):** WELD 175 and WELD 267.

### **WELD 165 - SMAW Theory**

**2 Unit(s)** Theory of shielded metal arc welding (SMAW). This class will cover safety, machine setup and operation, joint design, and electrode selection of the shield metal arc welding process as well as standards of certification and the certification process. Lab fee \$20. **Corequisite(s):** WELD 161 and WELD 265.

### **WELD 167 - Metallurgy for Welders**

**3 Unit(s)** Study of metals relevant to welding technology, extraction of metals from ores, refining metals, the manufacture of metal products, mechanical, physical and chemical properties of metals and the hardening, tempering and heat treating of metals. Lab fee \$8.

### **WELD 175 - FCAW/GMAW Theory**

**2 Unit(s)** Theory of GMAW and FCAW (gas and

self-shielded). This class will cover safety, machine setup and operation, joint design, and electrode selection of the GMAW and FCAW processes as well as standards of certification and the certification process. **Prerequisite(s)** WELD 161, WELD 165 and WELD 265. **Corequisite(s):** WELD 164 and WELD 267.

### **WELD 180 - Oxyfuel & GTAW**

**5 Unit(s)** Safety, setup, and welding in all positions using gas metal arc welding equipment. Lab fee \$73.78.

### **WELD 181 - Shielded Metal Arc Welding**

**5 Unit(s)** Safety, setup, and welding in all positions using AC/DC arc welding equipment on carbon steel. Lab fee \$73.78.

### **WELD 182 - Gas Metal Arc Welding**

**5 Unit(s)** Safety, setup, and welding in all positions using gas metal arc and flux cored arc welding equipment. Lab fee \$73.78.

### **WELD 190 - Cooperative Work Experience**

**1 to 12 Unit(s)** Cooperative Work Experience allows students to apply classroom learning to on-the-job settings. Credit is earned for new and continued learning taking place in the work environment. Reaching set learning objectives and development of positive work habits are emphasized. The Cooperative Education Coordinator and employees arrange Cooperative Work Experience. 60-360 hrs on-the-job per quarter. **Prerequisite(s)** Instructor permission. **Corequisite(s):** Enrollment in a Work Experience Seminar (BTEC 191-194) is required of Co-op students. You may take the Work Experience Seminar before or in the same quarter as the Co-op course.

### **WELD 195 - GTAW Theory**

**2 Unit(s)** Theory of the manual processes of gas tungsten arc welding (GTAW) and oxyacetylene brazing. This class will cover safety, machine setup and operation, joint design, and electrode selection as well as standards of certification and the certification process. **Prerequisite(s)** WELD 164 and WELD 267. **Corequisite(s):** WELD 259.

### **WELD 230 - SMAW II**

**12 Unit(s)** The practice of advanced shielded metal-

arc welding (SMAW) to prepare for the Washington Association of Building Officials (WABO) certification tests on plate and pipe. **Prerequisite(s)** WELD 132 with a 2.0 or higher.

### **WELD 231 - FCAW/GMAW II**

**12 Unit(s)** Advanced gas metal-arc welding (GMAW) and flux-cored arc welding (FCAW) used for all position plate and pipe welding. This course prepares welders for Washington Association of Building Officials (WABO) certification. **Prerequisite(s)** WELD 230 with a 2.0 or higher.

### **WELD 232 - GTAW II**

**12 Unit(s)** Advanced gas tungsten arc welding (GTAW), all position plate and pipe welding. This course prepares welders for the Washington Association of Building Officials (WABO) certification. **Prerequisite(s)** WELD 230 and WELD 231 with a 2.0 or higher.

### **WELD 259 - GTAW II**

**6 Unit(s)** Advanced gas tungsten arc welding (GTAW), all position plate and pipe welding. This course prepares welders for WABO certification. Lab Fee: \$173.44. **Prerequisite(s)** WELD 164 and WELD 267. **Corequisite(s):** WELD 195.

### **WELD 265 - SMAW II**

**6 Unit(s)** The practice of advanced shielded metal arc welding (SMAW) to prepare for the Washington Association of Building Officials (WABO) certification tests on plate and pipe. Lab fee: \$173.44. **Corequisite(s):** WELD 161 and WELD 165.

### **WELD 267 - FCAW/GMAW II**

**6 Unit(s)** Advanced gas metal arc welding (GMAW) and flux cored arc welding (FCAW). All position plate and pipe welding. This course prepares welders for Washington Association of Building Officials (WABO) certification. Lab fee \$143.09. **Prerequisite(s)** WELD 164 and WELD 165 **Corequisite(s):** WELD 161 and WELD 265

### **WELD 268 - Gas Shielded Arc Welding**

**9 Unit(s)** Exercises enable students to prepare for the Washington Association of Building Officials tests. Includes Gas Metal Arc, Flux Cored Arc and Gas Tungsten Arc Welding on test plates and pipe in all

positions; Oxyfuel introduced. Concurrent enrollment in WELD 267. Lab fee \$138.75. **Prerequisite(s)** WELD 164 or permission of instructor. **Corequisite(s):** WELD 267.

### **WELD 269 - Advanced Fabrication**

**11 Unit(s)** Blueprint interpretation, layout tools and procedures, oxy-fuel and plasma cutting, fitting, and welding fabrication projects. Lab fee \$73.78.

**Prerequisite(s)** WELD 267 with a 2.0 or higher or instructor permission.

### **WELD 270 - Advanced Arc Welding**

**6 Unit(s)** The advanced practical application of arc welding processes in accordance with Washington Association of Building Officials (WABO) standards and American Welding Society (AWS) code on steel plate, tubing, beams, and pipe. Lab fee \$173.44.

**Prerequisite(s)** WELD 259 or instructor permission.

### **WELD 271 - Blueprint Reading**

**3 Unit(s)** Fundamentals of drawing interpretation in the welding trade. Included are blueprint reading, welding symbols, fabrication techniques, identification of welds, and welding abbreviations.

### **WELD 275 - SMAW III**

**6 Unit(s)** The practice of advanced shielded metal arc welding (SMAW) to prepare for the advanced Washington Association of Building Officials (WABO) certification tests (seismic connection, 6G pipe, etc.). Lab fee \$173.44. **Prerequisite(s)** WELD 265 or instructor permission.

### **WELD 281 - Advanced Gas Metal Arc Welding - Aluminum**

**5 Unit(s)** Provides a thorough understanding of

welding safety and gas metal arc welding of aluminum. Lab fee \$135.60. **Prerequisite(s)** WELD 165, WELD 181 or prior welding experience with permission of instructor.

### **WELD 284 - Arc Certification Theory**

**1 Unit(s)** The study of welder qualification pertaining to the following Washington Association of Building Officials (WABO) and American Welding Society (AWS) Standards: WABO 27-13, AWS D1.1, and AWS D1.8. **Corequisite(s):** WELD 161 WELD 165 and WELD 265 or instructor permission.

### **WELD 285 - Arc Welding Certification**

**1 to 15 Unit(s)** Practical exercises enable students to prepare for the Washington Association of Building Officials (WABO) certification tests in gas metal-arc welding (GMAW), flux-cored arc welding (FCAW), and shielded metal arc welding (SMAW), and gas tungsten arc welding (GTAW). **Prerequisite(s)** WELD 130 , WELD 131 , and WELD 132 with a 2.0 or higher

### **WELD 287 - Welding Fabrication**

**5 Unit(s)** Fabrication and fitting tools, setup and procedures. Students have the opportunity to work on individual projects and/or cooperative work experience. Lab fee \$71.65. **Prerequisite(s)** prior welding experience require

# Directory

## District Twelve Board of Trustees

Pretrina Mullins (2021)  
Mark Scheibmeier (2017)  
Court Stanley (2020)  
Chris Thomas (2023)  
Annalee Tobey (2022)

## President's Office

President: Robert Mohrbacher  
Executive Assistant to the President..... Janet Reaume  
Associate Vice President of Institutional Research..... Fia Eliasson-Creek  
Associate Vice President of Advancement ..... Christine Fossett  
Director of College Relations..... Amanda Haines

## Human Resources

Vice President of Human Resources & Equity ..... Joy Anglesey  
Executive Assistant to the Vice President ..... Roberta Graver  
Director of Human Resources ..... Tammy Remund

## Instruction

Vice President of Instruction..... Connie Smejkal  
Executive Assistant to the Vice President ..... Stephanie Plesko  
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Dean of Transitional & Corrections Education..... Liselotte Thompson  
Dean of Library, Teaching & Learning, & CCEast..... Julie Nurse  
Director of the Pacific Northwest Center of Excellence for Clean Energy Monica Brummer  
Director of Workforce Funding..... Becky Wood  
Faculty Director of Nursing ..... Jenny Higgins  
Associate Dean of Instructional & Bachelor's Programs..... Katie Dailey

## Student Services

Vice President of Student Services..... Robert Cox  
Executive Assistant to the Vice President ..... Nicole Zock  
Director of Athletics ..... Jason Moir  
Dean of Student Success & Retention ..... Darcell Scott  
Director of Enrollment Services..... Heidi Patrick  
Director of Financial Aid/Student Job Center..... Tracy Dahl  
Director of Student Life & Involvement..... Shelley Bannish  
Director of TRIO Programs ..... Tony Holm  
Director of Safety & Security..... Jared Cunningham  
Director of Disability Services ..... Michael Hoel

## Finance & Administration

Vice President of Finance & Administration ..... Tariq Qureshi  
Executive Assistant to the Vice President ..... Linda Nordmann

Director of Procurement Services .....	Amanda Witt
Executive Director of Fiscal & Business Services .....	Nikki Sprague
Director of Fiscal & business Services .....	Carissa Brower
Director of Auxiliary Services .....	Zachary Queen
Director of Custodial, Utility Work, & Maintenance .....	Steve Queen
Director of Budgets, Grants, & Contracts.....	Cliff Frederickson
Director of Construction & Projects.....	Rick Perkins
Chief Technology Officer .....	Casey Schmidt

**This directory of Centralia College faculty and staff includes the year the individual began at Centralia College followed by the subject area of instruction (for faculty), college or university where a degree was earned and the field of study for the highest graduate degree earned.**

Teresa Adams (2019), Associate Professor, Mathematics. B.S., Gonzaga University; M.S., Eastern Washington University.

Jesse Andrews (2025), Student Engagement Advisor. B.A., Henderson State University; M.Ed., University of Central Oklahoma.

Joy Anglesey (2022), Vice President, Human Resources and Equity. B.A., The Evergreen State College; M.B.A., Capella University.

Toby Avalos (2017), Associate Professor, Anthropology. A.A., Truckee Meadows Community College; B.A., University of Nevada; M.A., New Mexico State University; Ph.D., University of Iowa.

Shelley Bannish (1987), Director of Student Programs. B.A., Central Washington University; Master of Arts in Community College Management, Antioch University, Ohio.

Teneal Bannon (2015), Associate Professor, Nursing. A.S., Tacoma Community College; B.S. and M.S., Western Governors University.

Jeffrey Birkenstein (2024), Assistant Professor, English. M.A./TESOL, California State University, Long Beach; M.A. and Ph.D., University of Kentucky.

Eric Blanco (2021), Assistant Professor, Counselor. B.A. and M.A., California State University, Los Angeles.

Yanet Blanco (2022), Assistant Director of Outreach and Retention. B.A., University of Southern

California.

Jeremiah Boydston (2023), Associate Professor, Adult Basic Education.

Francis Bozzolo (2022), Associate Professor, Biology. B.A., University of California Santa Cruz; Ph.D., San Diego State University/University of Cal Davis Joint.

Cindy Broadbent (1996), Talent Search Program Specialist. B.A., The Evergreen State College, Communications/Liberal Arts.

Carrisa Brower (2022), Director, Business Services. A.A., Centralia College.

Monica Brummer (2017), Director, Pacific NW Center of Excellence for Clean Energy. B.S., Oregon State University.

Rachel Bryant-Anderson (2019) Associate Professor, Sociology. B.A., Oregon State University; M.A. and Ph.D., University of California-Santa Cruz.

Bobby Burger (2020), Associate Professor, Business Administration. A.A., Community College of the Air Force; B.A. and M.B.A., California State University East Bay.

josh Tabitha Burkhardt (2023), Navigator, Workforce Funding. B.A.S., Centralia College.

Joe Burr (2014), Associate Professor, Adult Basic Education. B.A., The Evergreen State College; M.Ed., St. Martin's University.

Mary Capen (2014), Professor, Nursing. A.A. and

A.A.S., Centralia College; B.S., University of Phoenix; M.S., Grand Canyon University.

Bruce Carley (2011), Associate Professor, Building Maintenance.

Mary Cole (2025), Food Services Assistant.

Rebecca Coleman (2025), Dean of Instruction, Career and Technical Education. B.A., Washington State University; B.S. and M.B.A., Western Governors University.

Erick Counts (2025), Financial Aid Outreach Specialist. B.A., Central Washington University; B.S., Valley City State University; M.A., Concordia University Irvine.

Jacob Courcy (2024), Financial Aid Outreach Specialist. B.A., Western Washington University.

Richard Cowan (2019), Associate Professor, Construction Trades Apprenticeship Program.

Robert Cox (2014), Vice President of Student Services. A.A., Centralia College; B.A., Washington State University; M.A. and Ed.D., Oregon State University.

Rulon Crawford (2007), Assistant Professor, Business. B.S. Eastern Oregon University; M.B.A., Marylhurst University.

Jared Cunningham (2022), Director of Campus Safety and Security. A.T.A., Centralia College; B.A., Brandman University.

Lindsay Cunningham (2024), I-BEST Director. B.A., Winthrop University; M.A., Arizona State University.

Tracy Dahl (1998), Director of Financial Aid/Student Job Center. B.A. and M.A., Saint Martin's University, Education/ESA Certificate.

Katherine Dailey (2025), Dean of Instruction, Professional Technical Education. A.A., South Puget Sound Community College; B.A.S., Centralia College; M.S., Western Governors University.

Olivia Dean (2025), Academic Intervention Specialist/Head Coach. A.A., Centralia College; B.A., Portland State University.

Geana Dobyms (2016), Program Manager, ECEAP. A.A., Centralia College; B.A., Eastern Washington University.

Annsophie Eliasson-Creek (2022), Associate Vice President for Research and Planning. B.A., Gonzaga University.

Kelly Erickson (2014), Associate Professor, English. B.A. and M.A., Washington State University.

Oscar Escalante (2018), Assistant Director of Student Success. A.A., Centralia College; B.A., The Evergreen State College.

Christine Fossett (2018), Associate Vice President for Advancement. A.A., Centralia College.

Clifford Frederickson (2023), Director of Budgets, Grants, and Contracts. B.S., Portland State University; C.P.A. Washington State.

Elizabeth Frey (2005), Professor, Art. B.A., The Evergreen State College; M.F.A., University of Washington.

Lisa Fritch (2022), Associate Professor, Early Childhood Education. B.S.S.P., Park University; M.A., Grand Canyon University.

Alexis Garcia (2024), Education Navigator for DOC. B.A. and B.S. Washington State University.

Arcelia Garcia (2025), Athletic Trainer. B.S., and M.S., Eastern Washington University.

Lindsey Garcia (2022), Director, Transitional Studies. B.A.S., Centralia College.

Makayla Garner (2022), Associate Professor, Nursing. A.A. and A.A.S, Centralia College; B.S. and M.S.N., Western Governors University.

Amaninder Gill (2022), Associate Professor, Mechanical Engineering. B.S., Punjabi University;

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Janelle Girt (2008), Director of Instruction. A.T.A., Centralia College.

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Mark Gorecki (2013), Associate Professor, Spanish. B.A. Minnesota State University, Spanish; M.A. Kansas State University, Teaching English as a Foreign Language (TEFL); M.A. Kansas State University, Spanish Literature.

Clayton Graham (2022), Assistant Professor, CC East. B.A., Western Kentucky University; M.A. and Ph.D., University of Kentucky.

Melissa Hahn (2013), Program Manager, Testing Center. B.A., University of Toronto; M.B.A., Capilano University.

Amanda Haines (2014), Director of College Relations. B.A., Marquette University.

Emily Hammargren (2011), Associate Professor, Adult Basic Education. B.A., Webster University; M.Ed., Colorado State University.

Jesse Harlan (2022), Associate Professor, Computer Science. A.A., Centralia College.

Justin Harris (2024), Assistant Professor, Industrial Trades. B.A.S., Centralia College.

Michelle Harris (2017), Associate Professor, Geosciences. B.S., Western Washington University; M.S., Central Washington University.

Charles Hegsted (2019), Associate Professor, Welding. Welding Certificate, South Puget Sound Community College; A.A., Clover Park Technical College.

Jeanene Higgins (2021), Director of Nursing, Nursing. A.A., Lower Columbia College.

Joseph Hing (2022), Accounts Payable Manager. B.S.,

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Michael Hoel (2006), Director, Disability Services. RN, ATACP. B.S., Washington State University.

Anthony Holm (2012), Director of Upward Bound. B.A., Western Washington University.

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Kelsea Jewell (2015), Associate Professor, Biology/Nutrition. B.A., Scripps College; M.S. and Ph.D., University of Wisconsin-Lacrosse.

Carrie Johnson (1989), Associate Professor, Physical Education, A.A., Highline Community College; B.A., Western Washington University.

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Clarence Karteh (2014), Running Start Academic Intervention Specialist/Head Coach. A.A., Centralia College; B.A., Eastern Washington University.

Preston Kiekkel (2013), Associate Professor, Mathematics. A.A., Los Angeles Pierce College; B.A., California State University; M.S. and Ph.D., New Mexico State University.

Young Kim (2024), Dean of Instruction. B.A. and M.A., Hankuk University of Foreign Studies; Ph.D., Texas Tech University.

Emily Klickman (2025), Talent Search Specialist.

Emmy Kreilkamp (2016), Associate Professor, Drama. B.S., Saint Joseph's College; M.A., Kent State University; Ph.D., Indiana University.

Ceanna Larson Michalek (2023), Assistant Athletic Director. A.A., College of Southern Idaho; B.A. and B.S., Idaho State University.

Tara Layton (2016), Assistant Professor, Medical Assistant. A.A.S., Centralia College.

Elizabeth Lazo (2016), Associate Professor, Business Technology. A.A., Centralia College; B.A., Central Washington University; M.B.A., Eastern Washington University.

Brook Leal (2023), Education Specialist. ECE Apprenticeship Certificate, Centralia College.

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Nathaniel Leslie (2025), Assistant Professor, Physics. B.S., Harvey Mudd College; Ph.D., University of California, Berkeley.

Brian Lipp (2018), Associate Professor, Diesel Technology. B.A.S., Centralia College.

Atara MacNamara (2008), Associate Professor, Psychology. B.A., Eastern Washington University; M.S. and Ph.D., University of Utah.

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Viswa Marella (2023), Institutional Research Analyst (Database Administrator). B.S., Vellore Institute of Technology; M.S., Kansas State University.

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Sarah "Beth" May (2015), Associate Professor, Music. B.A., University of Illinois; M.A., Yale University; Ph.D., University of Texas.

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Mary McClain (2012), Associate Professor, Business Technology. B.B.A., Boise State University; M.B.A., Brandman University.

Michael McFadden (2022), Assistant Professor, Criminal Justice. A.A.S. and B.A., Crown College; M.S., Liberty University.

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Patricia Meierdiercks (2008), Associate Professor, Basic Skills. AAUCT, Skagit Valley College; B.A.E. and M.A.E., Western Washington University; Ph.D., Oregon State University.

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Sharon Mitchler (1998), Professor, English. B.A., Iowa State University; M.A., Fayetteville State University, English; M.A., California State, Dominguez Hills, Humanities; Ph.D., University of Washington.

Robert Mohrbacher (2016), College President. B.A., University of Washington; M.A., George Mason University; Ph.D., Oregon State University.

Jason Moir (2005), Interim Athletic Director. A.A., Centralia College; B.A., The Evergreen State College.

April Morgenroth (2022), Associate Professor, Nursing. A.A., Highline Community College; B.S., Northwest University; M.N., University of Washington; Ph.D., Washington State.

Julie Nurse (2013 Dean, Library, Testing and Teaching & Learning. B.S., Florida State University; M.L.I.S., North Carolina Central University.

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Angela Peck (2024), Assistant Professor, Chemistry.

B.S., Washington State University; M.S., University of Kansas.

Richard Perkins (2010), Director of Facilities - Construction Projects, Operations, and Maintenance. B.S., Oregon State University.

Thomas Perkins (2020), Production/Technical Director. A.A., Centralia College.

Zachary Peters (2016), Associate Professor, Welding. B.A., The Evergreen State College.

Jody Peterson (1999), Associate Professor, History. B.A., History, M.A., North Texas State University, European History; Ph.D., Washington State University, U.S. History.

Begona Poo Garcia (2012), Support Services Manager, Early Learning Programs. A.T.A., South Puget Sound Community College.

Steve Queen (2023), Director of Facilities, Maintenance, Custodial and Utility Work.

Zachary Queen (2020), Auxiliary Services Director. B.A.S., Centralia College; M.B.A., Eastern Washington University.

Tariq Qureshi (2022), Vice President, Finance and Administration. B.S., University of Houston; M.B.A., University of Dallas.

Shyla Rabe (2017), Assistant Professor, Chemical Dependency. B.S., American Military University; M.S., Grand Canyon; Ph.D., Clayton College.

Tammy Remund (1983), Director of Human Resources. A.A., Centralia College; B.S., City University.

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Liliam G. Rodriguez (2019), Associate Professor, Economics. B.A. and M.A., University of Puerto Rico; DBA, Ana G. Mendez University.

Heather Scannell Ashton (2019), Program Manager, Children's Lab School. B.A., Mayville State University.

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Darcell Scott (2019), Dean of Student Success and Retention. B.L.A., University of Missouri; M.A., Park University.

Torin Shriver (2020), Associate Professor, English Language Acquisition. A.A., Centralia College; B.A., Northern Arizona University; M.A., King's College, London.

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Lisa Spitzer (2008), Associate Professor, Developmental Math. B.A. Central Washington University, Math Education; M.A. Grand Canyon University, Teaching.

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John Steidel (2007), Assistant Professor, Robotics. B.S., United States Merchant Marine Academy.

Syrena Stevens (2021), Director of Corrections. A.T.A., Olympic College.

Kyle Sutton (2015), Associate Professor, Librarian. B.A. and M.A., Humboldt State University; M.L.I.S., University of Washington.

Paul Talbot (2025), Head Chef/Catering Manager. A.A., Western Culinary Institute; Food Service Technology, University of Alaska.

Daniel Taylor (2005), Professor, Mathematics. B.A., The Evergreen State College; M.S., Lehigh University, Ed.D., American College of Education.

Liselotte Thompson (2019), Dean, Transitional Studies and Corrections. M.A. and Ed.D., Sam Houston State University.

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Theresa Waliezer (2009), Associate Professor, English. B.A., M.A., Washington State University.

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