2025 – 2026

COLLEGE CATALOG

www.centralia.edu • 360-736-9391

TABLE OF CONTENTS

College Mission 3

College Calendar 2

Campus Information 4

Education Centers & Teaching Sites 5
Centralia College East 5
Garrett Heyns & Cedar Creek Corrections Education Centers 5
Other Sites 6
Externships/Internships, Clinical/Practicum .. 6

Admission/Enrollment 7
Admission as a Priority Student 8,9
Admission as an International Student 10
Admission as a Running Start Student 11
Advising/Educational Planning 12
Registration 13,14

College Costs 15,16
Financial Aid 17
Workforce Funding 18-19
Scholarships 20
Services for Veterans 21

Academic Information 22
Grades 23,24
Student Records 25
Academic Standards Policy 27
Graduation & Academic Honors 28

Services for Students 29
Advising / Counseling Center 29
Blazer Bistro 30
Bookstore 30
Cafeteria 30
Continuing Education 30
Disability Services 31
Honors and Recognition 31
Instructional Support 31
Parking 32
Sports Programs 32
Student Job Center 32,33
Student Life and Involvement Center 33
Student Rights and Responsibilities 34
TRIO Programs 34, 35
Technology Resources 35
Testing 34

Student Transfer 36

Degrees / Certificates 37
Student Learning Competencies 37
Program Outcomes 37
General Transfer Degrees 38
Limited Transfer Degrees 41
Career and Technical Degrees 42
Certificates and Programs 44
Distribution Area Outcomes & Courses 45-50
Approved Academic Electives 51

Programs of Study 52-145
Bachelor of Applied Science Programs 148
Bachelor of Applied Science in Applied Management 109-110
Bachelor of Applied Science in Behavioral Healthcare 113
Bachelor of Applied Science in Diesel Technology 116
Bachelor of Applied Science in Software Engineering 118
Bachelor of Applied Science in Teacher Education 120

Course Descriptions 143

Directory 228

College Calendars

2025-2026

Fall Quarter 2025

Labor Day Holiday (campus closed).....Sept. 1
Faculty Days..... Sept. 9-19
First Class Day..... Sept. 22
Advising Day..... Oct. 21
Veterans Day Holiday (campus closed) ..... Nov 11
Thanksgiving Day Holiday (campus closed)..... Nov. 27-28
Last Class Day..... Dec. 5
Assessment Day..... Dec. 8
Final Examinations..... Dec. 9-10
Last Day of the Quarter..... Dec. 10
Faculty Days..... Dec. 11, 12, 15
Grades are due..... Dec. 15
Winter Break (campus closed to the public).....Dec. 24-26
Quarter Break .....Dec. 16 – Jan 1

Winter Quarter 2026

New Year's Holiday (campus closed) ..... Jan. 1
Faculty Day..... Jan. 2
First Class Day..... Jan. 5
Martin Luther King Holiday (campus closed)..... Jan. 19
Advising Day..... Feb. 13
President's Day Holiday (campus closed)..... Feb. 16
All-Campus Meeting (no classes) ..... Feb. 27
Last Class Day.....March 17
Final Examinations .....March 18-19
Last Day of the quarter.....March 19
Assessment Day .....March 20
Grades are due.....March 23
Faculty Day..... .March 23
Quarter Break..... Mar. 24-Apr. 3

Spring Quarter 2026

First Class Day..... ..April 6
Advising Day .....May 15
Memorial Day Holiday (campus closed).....May 25
Last Class Day .....June 16
Final Examinations .....June 17-18
Commencement.....June 18
Juneteenth Holiday (campus closed).....June 19
Assessment Day .....June 22
Grades are due.....June 22
Faculty day & Last day of the quarter.....June 23
Quarter Break..... June 24-July 3

Summer Quarter 2026

Fourth of July Holiday (observed) (campus closed)..... .....July 3
First Class Day..... ..July 6
Last Class Day (6 week session) ..... Aug. 13
Last Class Day (8 week session) ..... Aug. 27
Grades are due..... Sept. 1

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 Day 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 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 .....March 5
Last Class Day .....March 16
Final Examinations .....March 17,18
Last Day of the Quarter ..March 18
Faculty Days .....March 19,22
Grades are Due.....March 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

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.

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
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 five bachelor of applied science degrees in a variety of fields, providing a rich complement of career and technical, basic skills, and continuing education programs. Degree- or certificate-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.

The following person has been designated to handle inquiries regarding non-discrimination, equal opportunity, affirmative action or the ADA policies or for Title IX/504 compliance issues: Director of Equity and Inclusion, Thalia Vaillancourt, 600 Centralia College Blvd, Centralia, WA 98531, 360-623-8630.

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 is a member institution with the Northwest Commission on Colleges and Universities (NWCCU).

NWCCU is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation (CHEA).

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

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.
- **Community Business Classes**. Community Business classes offer an opportunity to gain skills that may be applied to the business setting or for professional development. These courses are non-transcripted and are offered at a reduced rate.
- **Skill Development Program**. Basic Education for Adults (BEdA) 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.

Garrett Heyns Education Center

2321 W. Dayton Airport Road • P.O. Box 900
Shelton, WA 98584
360-426-4433, Ext. 5509

Through the Garrett Heyns Education 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 Apprenticeship Preparation (CTAP), reentry life skills, and college-level instruction leading to the Associate in Arts-Direct Transfer Agreement degree. The college also provides educational navigation to identify and pursue academic and career goals. Educational services at GHEC are possible through an interagency agreement with the State Board for Community and Technical Colleges and the Washington State Department of Corrections.

Cedar Creek Education Center

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 Apprenticeship Preparation (CTAP), reentry life skills, 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.

Centralia College at Green Hill Academic 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, Bachelor of Applied Science in Applied Management (BAS-AM) 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.

Other Sites

Pacific Northwest Center of Excellence for Clean Energy
600 Centralia College Blvd.
TransAlta Commons, Room 320
Centralia, WA 98531
360-623-8924

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 more popular 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, including admission, can contact the Disability Services Office at 360-623-8966. 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:

1. 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.
2. 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.
3. 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.
4. 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
5.

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. There are three options:

1. 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.
2. 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.
3. 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:

A. 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.
B. 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.
C. 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 Application if they want their credits considered for their degree.

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.*

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.*

Application 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 an Application for Credit Evaluation for official evaluation. This form is available online at www.emailmeform.com/builder/form/5K0Q9Yj0e14C3MODzG14xgTe. Centralia College does not evaluate transcripts without an official Credit Evaluation Application 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 Application 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.

a) **Advanced Placement.** Centralia College will grant a minimum elective credit for an Advanced Placement (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.

b) **Cambridge International.** Centralia College will grant a minimum elective credit for each Cambridge International (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.

c) **International Baccalaureate.** Centralia College will grant a minimum elective credit for an International Baccalaureate (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 though 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.

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.

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 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. 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 the Enrollment Services Office.*

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
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/submitting 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 process of enrolling in classes. Only officially registered students may attend class. Registration depends on the type of student and their educational plans.
Students can register based upon the following order of their registration status:

1. Early
2. Priority
3. Open

Early Registration

Per RCWs[1,2,] 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.

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.

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.
[1] RCW 28B.15.624 / [2] RCW 28B.10.912

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.

Instructor 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 term.

NOTE: *The instructor 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
- Senior Citizen Courses (ASI and SNRC) - $20 per credit + fees
- 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 may remove students from classes by the census date if the student has not paid tuition and fees in full, qualified for a waiver, established a payment plan, or received a guarantee from a third-party payer. The college may revoke registration privilege if the student has unpaid debt of any amount. Financial obligations of $100 and above will be sent to a collections agency as described by Business Office procedures.

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 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)
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 professional-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 professional-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.

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.

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.

Scholarships

Centralia College Foundation

401 Centralia College Blvd.
360-623-8942
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

Enrollment Services Office

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 unit (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.

Online: Class is held online with no required dates/times for meetings. All activities are delivered online through Canvas or similar system.

Hybrid: Class meets more than 50% but less than 100% of instructional time with live instruction.

Hybrid Plus: Class meets more than 0% but less than 50% of instructional time with live instruction.

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.

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.

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

The normal class schedule is 50 minutes, with 10 minutes between classes. Labs and block classes operate on extended class periods of two or more hours. In those cases, it is appropriate for faculty to provide students with break periods. However, the cumulative time for breaks should not exceed the total of 10 minutes per hour. Students should be back in class and fully productive at the end of the break period. Breaks should be scheduled regularly throughout the class period and class periods may not be shortened by elimination of the break periods.

Class Dismissals

Holding classes in accordance with adopted schedules has high priority in the educational program. However, the class periods can, on occasion, be superseded by other educational opportunities.

Class and Office Disruptions and Student Discipline

Centralia College exists to provide educational programs for its students and 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[1,2]. 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.

[1]SBCTC Policy Manual Chapter 4 Appendix A
[2]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 the National Student Clearinghouse 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 postsecondary 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 34 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 the 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, ctcLink 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
- Campus integration
- Translation services
- Email follow up
- Virtual ready for connecting with departments

Blazer Central

Blazer Central is a student resource and success hub located in the TransAlta Commons room 333. 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

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 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 (formerly iBean Espresso & Mini Donuts)

TransAlta Commons Building, First Floor
7:30 a.m. - 3 p.m. Monday-Thursday
Closed on days there are no scheduled classes

Blazer Bistro serves coffee, energy drinks, light snacks, and grab-and-go meals.

Childcare & Early Learning Programs

Children's Development Center
412 S. Oak Street
360-623-8949

Childcare services are available on campus for children ages one year 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
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 in the quarterly mailed-out Preview, on our website, or call the Continuing Education department.

Certifications

Centralia College offers several non-unit vocational certificates. Contact the Centralia College Career and Technical Education Office for details.

Disability Services

TransAlta Commons Building, Room 208
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

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 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

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

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

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

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, clubs, and organizations; 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 also provides student identification cards and parking passes, 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 and Organizations

Student clubs and organizations 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
- Centralia College East Organization of Students
- 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.

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. 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

Three federally funded TRIO programs - TRIO TS, Upward Bound, and Student Support Services - provide support services to low-income and first-generation students or students with disabilities who meet federal eligibility requirements. The programs assist students as they prepare for college, attend college, and transfer to a four-year college or university.

TRIO TS

360-623-8969
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

360-623-8968
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 intensive six-week program in the summer, including college visits and cultural opportunities.

Student Support Services

360-623-8970
trio.sss@centralia.edu
Student Support Services (SSS) helps students learn how college works and how to make it work for them. Services are designed to help students build the skills and motivation necessary to graduate from Centralia College and transfer to a four-year college to earn a bachelor's degree.

SSS offers these services:

- Free 3-unit College & Career Success Course
- In-person math and English tutoring
- 24/7 online tutoring in 300 STEM-based subjects available in English and Spanish
- Academic advising with priority registration
- Textbook and laptop loan
- Help with the FAFSA
- Student advocacy and empowerment
- Career exploration
- Transfer planning
- Four-year college visits and tours
- Scholarship search assistance
- Financial literacy training

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.

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, mathematics, and physics. 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

Student Success

All degree-seeking and certificate of proficiency (greater than 45 units) students will complete a designated college & career success course within their first two terms, regardless of full- or part-time status. Courses that meet this requirement are COLL 100, BUS 100, TRDS 101, or SCIE 100. This requirement applies to all students categorized above except those who:

- Have passed an equivalent college success course from another institution
- Are enrolled in career and technical degree programs with specific accreditation requirements beyond the college (nursing)
- Are enrolled in any major ready pathway (MRP) that does not carry an option for non-academic electives (Associate in Biology, Pre-Nursing, Business, Construction, Math Education)
- Have earned a minimum of 30 units with a GPA of 2.0 or better from a regionally accredited institution
- Have earned an Associate's degree or higher from any regionally accredited institution

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. 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.

General Transfer Degrees

Associate In Arts Degree (AA)

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:

Core Skills - 15 units

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)**

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 - 3 units

A 3 to 5 credit course listed as a Diversity (D) course. Diversity courses may also meet other Distribution Requirements.

Academic Electives - 27 units

A minimum of 27 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.

Associate In Science Degree (AS)

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:

Core Skills - 15 units

Communication Skills 5 units

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

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 - 3-5 units

A 3 to 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, 162, 163

B. MATH& 146 or MATH& 153

C. BIOL& 221, 222, 223 **or** PHYS& 114, 115**,** 116 **or** PHYS& 221, 222, 223.

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, 262**,** 263 ***or*** PHYS& 114, 115, 116 or PHYS& 221, 222, 223

Remaining 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.

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 243 - Adv Topics Human A & P (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)**

  No more than two units of non-academic electives.

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

A. PHYS& 221, PHYS& 222, PHYS& 223
B. CHEM& 161
C. MATH& 163 **or** MATH& 146

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.

Limited Transfer Degrees

Associate In Applied Science-Transfer (AAS-T)

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:

A. English Communications ENGL& 101 - English Composition I (C) 5 Unit(s)
B. Quantitative Reasoning (see distribution list) - 5 units
C. Humanities & Social Science (see distribution list) - 10 units
D. Health & Fitness (see distribution list) - 3 units
E. College & Career Success 3 Unit(s)

Career and Technical Degrees

Associate In Applied Science Degree (AAS)

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. **Health and Fitness** - 3 units from list of approved health or PE courses in Health and Fitness distribution (HF)
C. **Computation Skills** - 5 units
D. **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.

An additional 47 units of the student's choosing to satisfy their own educational plans or interests. Choices can be occupational, personal enjoyment, physical education, or academic courses.

Certificates and Programs

Certificates Of Completion

Students may be awarded a certificate of completion by successfully completing a set group of courses from a professional/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 professional/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
- Industrial Trades
- Medical Office Assistant / Medical Scribe
- Office Applications / Office Assistant
- Phlebotomy
- Retail Management
- 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 mor 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 reengagement 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.

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
H - Humanities
M - Mathematics/Quantitative Skills
SS - Social Science
NS - Natural Science
HF - Health and Fitness
D - Diversity

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. Upon successful completion of designated courses, students will have demonstrated the ability to:

- Recognize structures and modes of development that are used to inform, persuade, or entertain (Competencies: Communication and Global Awareness & Cultural Competency).
- Apply analytical thinking to reading, writing, revising, and discussion activities (Competencies: Critical Analysis, Communication, Global Awareness & Cultural Competency).
- Prepare clearly organized and well-supported written works, including specific documentation formats, which meet the conventions of assignments (Competencies: Critical Analysis and Communication).
- Collaborate with others respectfully and with attention to guidelines given for various projects (Competencies: Global Awareness & Cultural Competency)
- Discuss and respond to writings drawn from diverse traditions, ethnicities, cultures, classes, and genders (Competencies: Global Awareness & Cultural Competency)
- Access and utilize appropriate technologies and library resources in the preparation of written and oral projects (Competencies: Communication, Information Literacy, and Global Awareness & Cultural Competency).

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 Elementary Education 2 (M) **5 Unit(s)**
MATH 135 - Pre-Calculus Refresher (M) **5 Unit(s)**
MATH& 141 - Pre-Calculus I (M) **5 Unit(s)**
MATH& 142 - Pre-Calculus 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:

- 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)(D) **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 135 - Graphic Design Layout (H) **5 Unit(s)** *
ART 160 - Introduction to Fibers (H) **5 Unit(s)** *
ART 174 - Digital Photography (H) **5 Unit(s)** *
ART 200 - Art History: Ancient (D) (H) **5 Unit(s)**
ART 201 - Art History: 15th-17th C (D) (H) **5 Unit(s)**
ART 202 - Art History: 18th-20th C (D)(H) **5 Unit(s)**
ART 220 - 3D Modeling & Animation (H) **5 Unit(s)**

Communication Studies

CMST& 102 - Introduction to Mass Media (H) **5 Unit(s)**
CMST 104 - Racism, Sexism and the Media (D) (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 (D) (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 - Introduction to Theater (H) **5 Unit(s)** *
DRMA 115 - Dramatic Performance (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 (D) (H) **5 Unit(s)**

English

ENGL& 111 - Introduction to Literature (H) **5 Unit(s)**
ENGL& 113 - Introduction to Poetry (H) **5 Unit(s)**
ENGL& 114 - Introduction to Dramatic Literature (H) **5 Unit(s)**
ENGL 160 - Women's Literature (D) (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 (D)(H) **5 Unit(s)**
ENGL& 246 - American Literature III (D)(H) **Unit(s)**
ENGL 249 - The Great American Novel (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 (D) (H) **5 Unit(s)**
MUSC& 105 - Music Appreciation (D) (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& 143 - Music Theory III **5 Unit(s)**
MUSC& 241 - Music Theory IV (H) **5 Unit(s)**
MUSC& 242 - Music Theory V (H) **5 Unit(s)**
MUSC& 243 - Music Theory VI (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 (D) (H) **5 Unit(s)**
SPAN 201 - Heritage Spanish I (H) **5 Unit(s)**
SPAN 202 - Heritage Spanish II (H) **5 Unit(s)**
SPAN& 221 - Spanish IV (H) **5 Unit(s)**
SPAN& 222 - Spanish V (H) **5 Unit(s)**
SPAN& 223 - Spanish VI (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 (D) (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 (D) (SS) **5 Unit(s)**
ANTH 225 - Race & Ethnicity (D) (SS) **5 Unit(s)**
ANTH 235 - Myth, Ritual, and Magic (D) (SS) **Unit(s)**
ANTH 275 - Ethnographic Survey of Taiwan (D) (SS) **5 Unit(s)**

Criminal Justice

CJ& 106 - Juvenile Justice (D)(SS) **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 - Introduction Early Child Education (SS) **5 Unit(s)**
EDUC& 115 - Child Development (SS) **5 Unit(s)**

Geography

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

History

HIST 110 - History of Intolerance (SS)(D) **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 (SS)(D) **5 Unit(s)**
HIST& 127 - World Civilization II (SS)(D) **5 Unit(s)**
HIST& 128 - World Civilization III (SS)(D) **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)(D) **5 Unit(s)**
HIST& 214 - Pacific NW History (SS) **5 Unit(s)**
HIST& 215 - Women In U.S. History (SS)(D) **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)** *

Sociology

SOC& 101 - Introduction to Sociology (D)(SS) **5 Unit(s)**
SOC 125 - Sociology of the Family (D)(SS) **5 Unit(s)**
SOC& 201 - Social Problems (D)(SS) **5 Unit(s)**
SOC 225 - Race & Ethnicity (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).
- Apply the scientific method to solve problems, conduct experiments, evaluate data, and test hypotheses. (Competencies: Critical Analysis, Communication, Global Awareness & Cultural Competency).
- Critically evaluate scientific information and its sources (Competencies: Critical Analysis, Global Awareness & Cultural Competency).

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 125 - The Solar System (NS) **3 Unit(s)**
ASTR 126 - Stars and Galaxies (NS) **3 Unit(s)**
ASTR 127 - The Solar System & The Universe (NS) **5 Unit(s)**
ASTR 128 - Observational Astronomy (NS) **2 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 243 - Adv Topics Human A & P (NS) **5 Unit(s)**
BIOL 250 - Introduction to Marine Biology (NS) **5 Unit(s)**
BIOL& 260 - Microbiology (NS) **5 Unit(s)**
BIOL 360 - Life Science Concepts (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 Preparation (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 100L - Survey of Env Sci Lab **1 Unit(s)**
ENVS& 101 - Intro to Env Science W/Lab (NS) **5 Unit(s)**
ENVS 120 - Watersheds: Connecting Mountains to The Sea (NS) **5 Unit(s)**
ENVS 170 - Natural Resources Mgmt (NS) **5 Unit(s)**
ENVS 440 - Environmental Issues (NS) **5 Unit(s)** *

Geography

GEOG 201 - Introduction to Physical Geography (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)**
GEOL 180 - Cascade and Plateau Geology (NS) **3 Unit(s)**
GEOL& 208 - Geology of Pacific NW (NS) **5 Unit(s)**

Nutrition

NUTR& 101 - Nutrition (NS) **5 Unit(s)**
NUTR 103 - Introduction Food Science w/Lab (NS) **5 Unit(s)**
NUTR 203 - Issues In Nutrition (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)**

Science

SCIE 104 - Introduction to Physical Science (NS) **5 Unit(s)**
SCIE 115 - Weather and Climate (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 (D) (HF) **3 Unit(s)**
HLTH 130 - Health & Wellness (HF) **3 Unit(s)**
HLTH 135 - Healthy Weight Control (HF) **2 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 144 - Technology Health/Fitness (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:

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

Anthropology

ANTH& 100 - Survey of Anthropology (D) (SS) **5 Unit(s)**

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

Art

ART& 100 - Art Appreciation (H)(D) **5 Unit(s)**

Communication Studies

CMST 104 - Racism, Sexism and the Media (D) (H) **3 Unit(s)**
CMST 250 - Intercultural Communications (D) (H) **5 Unit(s)**

English

ENGL 160 - Women's Literature (D) (H) **5 Unit(s)**
ENGL 233 - Children's Literature (D) (H) **5 Unit(s)**
ENGL& 245 - American Literature II (D)(H) **5 Unit(s)**
ENGL& 246 - American Literature III (D)(H) **Unit(s)**
ENGL 260 - Non-Western World Literature (H)(D) **5 Unit(s)**

Geography

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

Health

HLTH 120 - Women's Health Issues (D) (HF) **3 Unit(s)**
HLTH 141 - Global Health Issues (D) (HF) **3 Unit(s)**

History

HIST 110 - History of Intolerance (SS)(D) **3 Unit(s)**
HIST& 126 - World Civilization I (SS)(D) **5 Unit(s)**
HIST& 127 - World Civilization II (SS)(D) **5 Unit(s)**
ART 200 - Art History: Ancient (D) (H) **5 Unit(s)**
ART 201 - Art History: 15th-17th C (D) (H) **5 Unit(s)**
ART 202 - Art History: 18th-20th C (D)(H) **5 Unit(s)**

Chinese

CHIN& 121 - Chinese I (D) (H) **5 Unit(s)**
CHIN 270 - History & Culture of the Republic of China (D) (H) **5 Unit(s)**

HIST& 128 - World Civilization III (SS)(D) **5 Unit(s)**
HIST 210 - Introduction to Pacific Asian History (SS)(D) **5 Unit(s)**
HIST& 215 - Women In U.S. History (SS)(D) **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 101 - Music History (D) (H) **5 Unit(s)**
MUSC& 105 - Music Appreciation (D) (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)**

Political Science

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

Sociology

SOC& 101 - Introduction to Sociology (D)(SS) **5 Unit(s)**
SOC& 201 - Social Problems (D)(SS) **5 Unit(s)**
SOC 225 - Race & Ethnicity (D)(SS) **5 Unit(s)**

Spanish

SPAN 170 - Latin American Texts (D) (H) **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/

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

American Sign Language, Chinese, or Spanish, AA

Emphasis: American Sign Language, Chinese, or Spanish
Degree: Associate in Arts
Total Units: 93

AA Purpose: The degree plan is designed for transfer but is also appropriate for anyone who wishes a solid foundation in American Sign Language, Chinese, or Spanish. It will benefit students with personal reasons for speaking a foreign language as well as travelers and those planning a career in international business, teaching, social work, interpreting, translating, and the Foreign Service, to name just a few possibilities.

Suggested Order of Classes

Term 1

- ASL& 121 - Am Sign Language I (H) **5 Unit(s)**

OR

- CHIN& 121 - Chinese I (D) (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***

Term 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***

Term 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 (D) (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: ***15***

Term 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***

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

Total Units: ***16***

Term 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)**
- Science Distribution **5 Unit(s)**

Total Units: ***15***

Anthropology, AA

Emphasis: Anthropology
Degree: Associate in Arts
Total Units: 93

Purpose: The Associate of Arts degree with an emphasis in anthropology is for students wishing to transfer to a four-year college or university. A student acquiring the Associate in Arts degree in anthropology will achieve an understanding of the diversity of humans and human cultures past and present around our globe.

While preparing the student for further study and eventual employment in the field of anthropology, this educational plan also is relevant for students preparing for a broad range of jobs in both government and international agencies that focus on cross-cultural issues and involve working with people from different cultural backgrounds. These jobs, in addition to work in international and government agencies, might include working in agricultural development and educational reform or as a consultant, planner, market analyst, survey researcher, forensic scientist, or refugee coordinator.

For additional information concerning the anthropology major, feel free to consult the anthropology faculty advisor.

Suggested Order of Classes

Term 1
- ANTH& 100 - Survey of Anthropology (D) (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***

Term 2
- ANTH& 210 - Indians of North America (D) (SS) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: ***15***

Term 3
- ANTH& 215 - Bioanthropology w/Lab (NS) **5 Unit(s)**
- ANTH 235 - Myth, Ritual, and Magic (D) (SS) **Unit(s)**
- Quantitative Skills Distribution (M) **5 Unit(s)**

Total Units: ***15***

Term 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***

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

Total Units: ***15***

Term 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

Purpose: People who can effectively communicate their opinions, thoughts and ideas can often outperform people who might have higher intelligence quotients but lack solid communication skills. The study of communication - sending and receiving messages, both verbal and nonverbal - is more important than ever in today's fast-paced, collaborative, technology-driven society.

The Associate in Arts degree with an emphasis in Communication Studies is for students who want to complete a two-year program or transfer to a four-year college or university to pursue a Communications related bachelor's degree. Students who obtain a degree in Communications enjoy a wide range of employment opportunities because hiring managers place such a high priority on communication skills (National Association of College Employers, 2014, as cited by Forbes Magazine, 2014).

Suggested Order of Classes

Term 1

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

Total Units: ***15***

Term 2

- CMST 104 - Racism, Sexism and the Media (D) (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***

Term 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***

Term 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***

Term 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***

Term 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: 93
Class Type: Lecture, Lab, Hybrid

Purpose: The AA degree with Computer Science emphasis is for students interested in transferring to a four-year college or university to complete a bachelor's degree in computer science. If you are not well prepared in high school math at least through a second-year algebra course (following geometry), you should plan, with your advisor, a three-year program to prepare you for transfer to a four-year college or university. The emphasis in the first year should be on strengthening your math, basic science, communication, and reading skills. The given sequence begins with MATH& 141 - Pre-Calculus I (M). If possible, start with MATH& 151 - Calculus I (M). Except for the sequences of mathematics, physics, and English composition, the order in which courses are taken is not important.

It is extremely important that you, the student, identify the institution you intend to transfer to as soon as possible as some computer science programs have specific general education requirements and prerequisites.

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

- Script static web pages.
- Code dynamic web pages.
- Install and operate simple web servers.
- Install and configure routers in small-scale networks using RIP, OSPF and/or IGRP.
- Install and configure security programs.
- Install and configure TCP/IP protocols.

Suggested Order of Classes

Term 1

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- MATH& 141 - Pre-Calculus I (M) **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: ***18***

Term 2

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

Total Units: ***15***

Term 3

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

Total Units: ***15***

Term 4

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

Total Units: ***15***

Term 5

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

Total Units: ***15***

Term 6

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

Total Units: ***15***

Criminal Justice, AA

Emphasis: Criminal Justice
Degree: Associate in Arts
Total Units: 93
Class Type: Lecture, Lab, Hybrid

Purpose: This degree prepares students to transfer to a baccalaureate institution and major in criminal justice. A B.A. degree prepares students to work in criminal justice and government agencies (federal, state, or local) or the private sector. Graduates may enter careers in state and local law enforcement, community corrections, and Federal law enforcement or in the private sector.

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 in 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 Order of Classes

Term 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***

Term 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***

Term 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***

Term 4

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

Total Units: ***15***

Term 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***

Term 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

Purpose: The Associate of Arts degree with an emphasis in Dramatic Arts meets the needs of students interested in acting or technical theater work who intend either to complete a two-year program or to transfer to a four-year institution.

This course work can provide an important supplement to the work of those who plan to major in the humanities and social sciences. Dramatic experience brings insight into the complex motivation for human behavior.

For students who plan to become educators, particularly those interested in elementary and secondary school teaching, courses in drama can provide insight into methods of teaching and learning through "language arts." If you intend to transfer to a four-year program at a college or university in Washington State, you should see the drama advisor for information on special requirements, if any, for that school. This information may have a bearing on courses you choose to satisfy distribution requirements.

A maximum of 15 units in DRMA 100 level courses may be credited toward an Associate in Arts Degree. Up to 5 units in Drama may be used as Humanities distribution units.

Suggested Order of Classes

Term 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***

Term 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***

Term 3
- DRMA 108 - Introduction to Theater (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***

Term 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***

Term 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***

Term 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

Purpose: The Early Childhood Education AA degree transfers to a four-year school to complete work for a bachelor's degree. 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. Course expectations include tasks to provide a foundation and proficiency for work toward a four-year degree program in early childhood education.

Suggested Order of Classes

Term 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***

Term 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***

Term 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***

Term 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***

Term 5

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

Total Units: ***15***

Term 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

Purpose: The Associate in Arts degree with an emphasis on Education transfers to a four-year college or university for students planning a teaching career. Requirements of four-year colleges vary greatly, and individual programs need to be coordinated with the institution to which the prospective teacher plans to transfer. Future elementary teachers should also seriously consider involvement in music, art, or drama activities. See your advisor for additional information.

Suggested Order of Classes

Term 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***

Term 2

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

Total Units: ***15***

Term 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***

Term 4

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

Total Units: ***15***

Term 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***

Term 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

Purpose: The Associate in Arts degree with an emphasis in English provides introductory-level and survey courses within the parameters of an English major as that English major is defined at the baccalaureate degree-granting institution to which the student transfers. Most English departments at the baccalaureate level will accept 10-15 units of lower-level English courses as meeting minimum requirements toward a major in English. English units taken at Centralia College beyond the 10-15 acceptable units at the baccalaureate institution will be considered elective units at Centralia and may or may not fulfill English major requirements at the baccalaureate transfer institution.

Suggested Order of Classes

Term 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***

Term 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***

Term 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***

Term 4
- Literature Elective **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: ***15***

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

Total Units: ***15***

Term 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

Purpose: The Associate in Arts degree with an emphasis in Environmental Studies is intended for students who plan a career in an environmental field in areas such as environmental policy and law, urban planning, environmental ethics, and environmental advocacy.

Suggested Order of Classes

Term 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 **3 Unit(s)**

Total Units: ***16***

Term 2

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

Total Units: ***15***

Term 3

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

Total Units: ***15***

Term 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***

Term 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***

Term 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

Purpose: The Associate in Arts degree with an emphasis in Exercise Science is designed for students wanting to transfer to a four-year college or university to complete a bachelor's degree. This educational plan is well suited for students preparing for a career in exercise science.

Suggested Order of Classes

Term 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***

Term 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***

Term 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***

Term 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 - Introduction to Sociology (D)(SS) **5 Unit(s)**

Total Units: ***14***

Term 5

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

Total Units: ***13***

Term 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

Purpose: The Associate in Arts degree with a Fine Arts emphasis is for students who are interested in transferring to a four-year college or university to complete a bachelor's degree with a major in art. As well as providing a basic liberal arts foundation, this program gives the student a solid base in studio art and art history which is essential for those interested in entering a variety of art professions.

Suggested Order of Classes

Term 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***

Term 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***

Term 3

- ART 106 - Printmaking I (H) **5 Unit(s)**
- 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***

Term 4

- ART 200 - Art History: Ancient (D) (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***

Term 5

- ART 201 - Art History: 15th-17th C (D) (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***

Term 6

- ART 202 - Art History: 18th-20th C (D)(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***

Forestry, Fisheries, Wildlife Management, AA

Emphasis: Forestry, Fisheries, Wildlife Management
Degree: Associate in Arts
Total Units: 90

Purpose: This Associate of Arts in Natural Resource Management emphasis prepares students for transfer into Natural Resource Management professional programs typically with very specific coursework for a bachelor's degree. To prepare for a program in forestry, fisheries, or wildlife management students should take at least two quarters of Calculus and one quarter of Introduction to Statistics. Natural Science requirements vary among transfer institutions. Some require only 10 units of BIOL& 221, BIOL& 222, and BIOL& 223 while others also require CHEM& 131.

Please consult with your advisor as you plan your curriculum and coordinate your program with the requirements of the institution to which you plan to transfer.

Suggested Order of Classes

Term 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***

Term 2

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

Total Units: ***15***

Term 3

- BOTA 150 - Dendrology (NS) **5 Unit(s)**
- CHEM& 121 - Introduction to Chemistry (NS) **5 Unit(s)**
- GEOL& 208 - Geology of Pacific NW (NS) **5 Unit(s)**

Total Units: ***5***

Term 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***

Term 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***

Term 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***

Geology, AA

Emphasis: Geology
Degree: Associate in Arts
Total Units: 96-97

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.

Suggested Order of Classes

Term 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***

Term 2

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

Total Units: ***16***

Term 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***

Term 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***

Term 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***

Term 6

- CHEM& 163 - General Chemistry w/Lab III (NS) **6 Unit(s)**
- 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

Purpose: Graphic design is art that interests, informs, persuades, or sells. It has taken the traditional form of printed material and now includes computer imaging.

The Associate in Arts degree with emphasis in graphic design is for students who want to complete a two-year program or transfer to a four-year college or university. This educational plan gives students a solid base in studio art. A portfolio of artwork is required to demonstrate studio abilities upon completion of the program.

Suggested Order of Classes

Term 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***

Term 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***

Term 3
- ART 102 - Drawing I (H) **5 Unit(s)**
- ART 202 - Art History: 18th-20th C (D)(H) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**

Total Units: ***15***

Term 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***

Term 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***

Term 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

Purpose: The Associate in Arts with an emphasis in History is designed to prepare students to major in history when they transfer to a four-year college or university. Through the study of history students systematically examine the past and gain an opportunity to explore human nature and contemporary concerns. Historians work from the written records (cultural, economic, political, and scientific) of past generations to discover the kinds of lives led and problems faced.

The study of the trials and accomplishments, deeds, and aspirations of past generations is an excellent way to obtain the kind of broad education needed in our constantly changing world.

Suggested Order of Classes

Term 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***

Term 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***

Term 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***

Term 4

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

Total Units: ***15***

Term 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***

Term 6

- HIST& 128 - World Civilization III (SS)(D) **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

Purpose: The Associate in Arts degree with an emphasis in Humanities is designed for those planning to major in English, History, Political Science, or related academic areas after transferring to a four-year college or university.

The study of a foreign language is highly recommended.
This educational planner offers a possible course of study. You are urged to consult with your advisor before selecting electives. This will allow your advisor to coordinate the electives with your desired career goals.

Suggested Order of Classes

Term 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***

Term 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***

Term 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***

Term 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***

Term 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***

Term 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

Purpose: The Teacher Education plan is designed for students wanting to transfer to a four-year college or university to complete a bachelor's degree. The plan is well suited for students preparing for a career in education.

Suggested Order of Classes

Term 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***

Term 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***

Term 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***

Term 4
- BIOL& 241 - Human Anatomy and Physiology 1 (NS) **5 Unit(s)**
- HLTH 140 - Exercise & Nutrition (HF) **3 Unit(s)**
- SOC& 101 - Introduction to Sociology (D)(SS) **5 Unit(s)**

Total Units: ***13***

Term 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***

Term 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: 90

Purpose: The Associate in Arts degree with an emphasis in Mathematics is for students interested in transferring to a four-year college or university to complete a bachelor's degree in mathematics.

If you are not well prepared in high school math you should plan, with your advisor, a three-year program to prepare for transfer to a four-year college or university. The emphasis in the first year should be on strengthening your math, basic science, communication, and reading skills.

Most mathematicians need skills in other areas of science, so courses in physical sciences, in addition to physics, or life sciences should be considered.

Many transfer schools have language requirements; graduate work in mathematics may require a foreign language, probably German, French, or Russian. Careful planning with your advisor can help you avoid awkward decisions.

Except for the sequences of mathematics, and English composition courses, the order in which courses are taken is not important.

Suggested Order of Classes

Term 1

- MATH& 141 - Pre-Calculus I (M) **5 Unit(s)**

OR

- MATH& 142 - Pre-Calculus II (M) **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***

Term 2

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- MATH& 142 - Pre-Calculus II (M) **5 Unit(s)**

OR

- MATH& 151 - Calculus I (M) **5 Unit(s)**
- MATH 156 - Calculus I Lab (AE) **1 Unit(s)** ** If enrolled in MATH& 151
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: ***15-16***

Term 3

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

OR

- MATH& 152 - Calculus II (M) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: ***16***

Term 4

- MATH 118 - Linear Algebra (M) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

OR

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

Total Units: ***20***

Term 5

- MATH& 133 - Calculus III (AE) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: ***15***

Term 6

- MATH 212 - Elementary Differential Equations (AE) **5 Unit(s)**

OR

- MATH 254 - Calculus IV (AE) **3 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: ***14***

Music, AA

Emphasis: Music
Degree: Associate in Arts
Total Units: 90

Purpose: The Associate in Arts degree with a Music emphasis is for students who are interested in transferring to a four-year college or university to complete a Bachelor of Arts in Music degree, a Bachelor of Liberal Arts degree, or any Bachelor's degree with a music minor. This degree offers a liberal arts foundation as well as establishing college level skills in music needed to succeed in a variety of music professions.

Suggested Order of Classes

Term 1

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- MUSC 150 - Applied Flute (AE) **1 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: ***14***

Term 2

- ENGL& 102 - Composition II (C) **5 Unit(s)**
- MUSC 151 - Functional Piano I (AE) **1 Unit(s)**
- Ensemble (course number varies) **2 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: ***13***

Term 3

- MATH& 107 - Math in Society (M) **5 Unit(s)**
- MUSC 100 - Fundamentals of Music (H) **5 Unit(s)**
- MUSC 152 - Functional Piano II(Ae) **1 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: ***16***

Term 4

- MUSC& 141 - Music Theory I (H) **5 Unit(s)**
- Applied Music (course number varies) **1 Unit(s)**
- Ensemble (course number varies) **2 Unit(s)**
- Humanities Distribution (H) Non-music **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: ***18***

Term 5

- MUSC& 142 - Music Theory II (H) **5 Unit(s)**
- Applied Music (course number varies) **1 Unit(s)**
- Ensemble (course number varies) **2 Unit(s)**
- Social Science Distribution (SS) (D) **5 Unit(s)**

Total Units: ***13***

Term 6

- MUSC& 143 - Music Theory III **5 Unit(s)**
- Applied Music (course number varies) **1 Unit(s)**
- Humanities Distribution (H) Non-music **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: ***16***

Pre-Dental Hygiene, AA

Degree: Associate in Arts
Total Units: 91-93

Purpose: The Pre-Dental Hygiene program provides appropriate science and general education courses for persons transferring to either a two- or four-year dental hygiene program. You may prepare for the program by completing high school chemistry, biology, and algebra or BIOL& 100 and MATH 098. Since there may be differences in prerequisites or curricula for dental hygiene programs at various colleges, you need to contact your advisor or the institution to which you will apply for specific details. You may also be required to complete the Dental Hygiene Aptitude Test. Your advisor will help you set an educational plan to complete this program of study.

Suggested Order of Classes

Term 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***

Term 2

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

Total Units: ***16***

Term 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***

Term 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***

Term 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***

Term 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 Term Sequence

Term 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 **3 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

*Total Units: **16***

Term 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***

Term 3

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

OR

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

*Total Units: **15***

Term 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***

Term 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***

Term 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

Purpose: The Associate in Arts with an emphasis in psychology is for students interested in transferring to a four-year institution. This educational plan addresses issues of human behavior and thought, provides the opportunity to gain fuller understanding of one's self and others, and develops skills in human relations, communication, research, and analysis. Emphasis in psychology provides preparation for a variety of careers, and will benefit students majoring in education, nursing, physical and occupational therapy, business, law, medicine, or other disciplines that deal with people. Consult with psychology faculty for additional information.

Suggested Order of Classes

Term 1

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- PSYC& 100 - General Psychology (SS) **5 Unit(s)**
- CMST& 220 - Public Speaking (H) **5 Unit(s)**

Total Units: ***15***

Term 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***

Term 3

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

Total Units: ***15***

Term 4

- BIOL& 170 - Human Biology (NS) **5 Unit(s)**
- SOC& 101 - Introduction to Sociology (D)(SS) **5 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: ***16***

Term 5

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

Total Units: ***16***

Term 6

- Elective **7 Unit(s)**
- Health & Fitness Distribution (HF) **1 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: ***13***

Radiologic and Diagnostic Medical Sonography Technician, AA

Emphasis: Radiologic and Diagnostic Medical Sonography Technician
Degree: Associate in Arts
Total Units: Vary

Suggested Term Sequence

Term 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***

Term 2

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

Total Units: ***Vary***

Term 3

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

Total Units: ***Vary***

Term 4

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

Total Units: ***Vary***

Term 5

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

Total Units: ***Vary***

Term 6

Total Units: ***Vary***

Sociology, AA

Emphasis: Sociology
Degree: Associate in Arts
Total Units: 91

Purpose: The Associate in Arts of Sociology provides a better understanding of what makes people behave the way they do. The focus is on the kinds of groups that people create and on specific interactions that take place as part of the basic social processes. How group activities influence individual members are also analyzed. Some knowledge of sociology is generally regarded as a useful supplement to course work in most subject areas. The course of study for sociology majors is sufficiently flexible to provide study in areas of interest such as family, urban living, crime, and deviance.

To work as a sociologist usually requires graduate work. However, sociology provides courses used in training for careers in applied fields such as social welfare, city planning, and criminal justice.
By following this sociology educational plan at Centralia College students gain an adequate foundation to transfer to a four-year college or university. See the sociology faculty advisors for details.

Suggested Order of Classes

Term 1
- COLL 100 - College & Career Success **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- SOC& 101 - Introduction to Sociology (D)(SS) **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: ***16***

Term 2
- ENGL& 102 - Composition II (C) **5 Unit(s)**
- ANTH& 206 - Cultural Anthropology (D) (SS) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

Total Units: ***15***

Term 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***

Term 4
- CMST 250 - Intercultural Communications (D) (H) **5 Unit(s)**
- ENVS& 100 - Survey of Environmental Science (NS) **5 Unit(s)**
- SOC 125 - Sociology of the Family (D)(SS) **5 Unit(s)**

Total Units: ***15***

Term 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***

Term 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***

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 Order of Classes

Term 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 **3 Unit(s)**

Total Units: ***14***

Term 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

Term 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***

Term 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***

Term 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***

Term 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***

Term 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***

Term 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 Order of Classes

Term 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 **3 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: ***17***

Term 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***

Term 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***

Term 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***

Term 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***

Term 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 Order of Classes

Term 1

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

Total Units: ***14***

Term 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***

Term 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***

Term 4

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

OR

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

Total Units: ***16***

Term 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***

Term 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 Order of Classes

Term 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 **3 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: ***19***

Term 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***

Term 3

- CS& 131 - Computer Science I C++ **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***

Term 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***

Term 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***

Term 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 Order of Classes

Term 1

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

Total Units: ***17***

Term 2

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

Total Units: ***16***

Term 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***

Term 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***

Term 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

- MATH& 163 - Calculus III (AE) **5 Unit(s)**

Total Units: ***15***

Term 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 Order of Classes

Term 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***

Term 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 **3 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: ***17***

Term 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***

Term 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***

Term 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***

Term 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

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 Order of Classes

Term 1

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

Total Units: ***18***

Term 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***

Term 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***

Term 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***

Term 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***

Term 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 Order of Classes

Term 1
- CHEM& 161 - General Chemistry w/Lab I (NS) **6 Unit(s)**
- SCIE 100 - College & Career Success: STEM **3 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

Total Units: ***17***

Term 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***

Term 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***

Term 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***

Term 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***

Term 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 be tailored to meet individual needs. If you complete the courses recommended, 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

Term 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***

Term 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***

Term 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***

Term 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***

Term 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***

Term 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

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 Order of Classes

Term 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 **3 Unit(s)**

Total Units: ***19***

Term 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***

Term 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***

Term 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***

Term 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***

Term 6

- SOC& 101 - Introduction 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

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 Order of Classes

Term 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***

Term 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***

Term 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***

Term 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***

Term 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***

Term 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

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 Order of Classes

Term 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 **3 Unit(s)**

Total Units: ***19***

Term 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***

Term 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***

Term 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***

Term 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***

Term 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***

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 Order of Classes

Term 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***

Term 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***

Term 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***

Term 4

- ACCT 260 - Individual Income Taxes **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***

Term 5

- ACCT 240 - Business Entity Tax **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***

Term 6

- ACCT 210 - Introduction to Audit **5 Unit(s)**
- ACCT 220 - QuickBooks **4 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 Order of Classes

Term 1

- COLL 100 - College & Career Success **3 Unit(s)**
- I T 150 - Relational Databases **5 Unit(s)**
- CS& 131 - Computer Science I C++ **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***

Term 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***

Term 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 - Pre-Calculus I (M) **5 Unit(s)**

Total Units: ***15***

Term 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***

Term 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***

Term 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:****17-1***

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 Order of Classes

Term 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***

Term 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***

Term 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***

Term 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***

Term 5

- ACCT& 203 - Principles of Accounting III (AE) **5 Unit(s)**
- Business Elective **5 Unit(s)**
- Business Elective **5 Unit(s)**

*Total Units: **15***

Term 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 Order of Classes

Term 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***

Term 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***

Term 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**

Term 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***

Term 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***

Term 6
- CJ 204 - Reports, Forms and 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: 97-99
Class Type: Lecture, Lab, Hybrid

Purpose: The Diesel Equipment Technology program is designed to prepare students for immediate employment as a technician in the maintenance, repair or overhaul of heavy equipment (i.e. logging, construction, and mining), agriculture equipment, or trucking.

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 Order of Classes

Term 1

- DET 102 - Forklift Certification **1 Unit(s)**
- BTEC 214 - Excel 1 **5 Unit(s)**

OR

- I T 117 - Introduction to Windows OS **3 Unit(s)**
- TRDS 100 - Industrial Safety **5 Unit(s)**
- TRDS 101 - Career & College Success **3 Unit(s)**
- TRDS 120 - Mechanical Systems **5 Unit(s)**

Total Units: ***17-19***

Term 2

- HLTH 145 - Safety & Fitness (HF) **3 Unit(s)**
- DET 110 - Mobile Electrical Systems I **7 Unit(s)**
- DET 130 - Mobile Hydraulic Systems **7 Unit(s)**

Total Units: ***13***

Term 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)**
- Welding Elective **5 Unit(s)**

Total Units: ***18***

Term 4

- DET 200 - Mobile Electrical Systems II **7 Unit(s)**
- DET 220 - Internal Combustion Engines II **7 Unit(s)**
- Quantitative Skills Distribution (M) 5 Unit(s)

Total Units: ***19***

Term 5

- DET 210 - Power Transmission II **7 Unit(s)**
- DET 225 - Heavy-Duty Chassis Systems **7 Unit(s)**

Total Units: ***14***

Term 6

- DET 190 - Cooperative Work Experience **1 to 7 Unit(s)**

OR

- DET 230 - Practical Shop Application **7 Unit(s)**
- DET 235 - Mobile HVAC Systems **7 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 Order of Classes

Term 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***

Term 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***

Term 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***

Term 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***

Term 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***

Term 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 Order of Classes

Term 1

- BTEC 214 - Excel 1 **5 Unit(s)**

OR

- I T 117 - Introduction to Windows OS **3 Unit(s)**
- TRDS 100 - Industrial Safety **5 Unit(s)**
- TRDS 101 - College & Career Success: TRDS **3 Unit(s)**
- TRDS 120 - Mechanical Systems **5 Unit(s)**

Total Units: ***16-18***

Term 2

- DET 102 - Forklift Certification **1 Unit(s)**
- TRDS 140 - Fluid Systems **5 Unit(s)**
- TRDS 150 - Print Reading **2 Unit(s)**
- TRDS 160 - CAD for Industry **2 Unit(s)**
- TRDS 180 - Electrical Systems **5 Unit(s)**

Total Units: ***15***

Term 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***

Term 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)**
- MEC 270 - Industrial Robotics **5 Unit(s)**

Total Units: ***17***

Term 5

- ERA 230 - Robotics Controllers **4 Unit(s)**
- ERA 240 - Amplifiers **5 Unit(s)**
- MEC 260 - Allen Bradley Plcs **5 Unit(s)**

Total Units: ***14***

Term 6

- ERA 235 - Communication Systems **3 Unit(s)**
- ERA 276 - ERA Capstone **4 Unit(s)**
- MEC 220 - Sensors and Instruments **5 Unit(s)**
- ERA Elective **5 Unit(s)**

Total Units: ***1***

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 Order of Classes

Term 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***

Term 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***

Term 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***

Term 4

- M A 241 - M A Clinical Procedures **7 Unit(s)**
- M A 249 - MA Admin Procedures **8 Unit(s)**

Total Units: ***15***

Term 5

- M A 242 - Medical Administration **7 Unit(s)**
- M A 246 - MA Laboratory Procedures **10 Unit(s)**

Total Units: ***17***

Term 6

- M A 208 - MA Electrocardiography **2 Unit(s)**
- 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: ***1***

Medical Office Administration, AAS

Emphasis: Medical Administrative Assistant
Degree: Associate in Applied Science
Total Units: 91
Class Type: Lecture, Lab, Hybrid, Online

Purpose: These degree programs prepare 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 math, reading, English, 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
- Obtain a first aid and CPR certificate
- Use medical terms correctly
- Demonstrate an understanding of human biology
- Transcribe medical documents from recorded dictation
- Enter patient record information using electronic software
- Demonstrate an understanding of the Health Insurance Portability and Accountability Act
- Possess a basic understanding of medical office procedures using medical charts and records, electronic medical records, receiving visitors, scheduling appointments, and confidentially in a medical office.

Suggested Order of Classes

Term 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***

Term 2

- BTEC 210 - Word 1 **5 Unit(s)**
- HLTH 145 - Safety & Fitness (HF) **3 Unit(s)**
- WRT 105 - Writing In The Workplace **5 Unit(s)**

OR

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

Total Units: ***13***

Term 3

- BTEC 120 - Applied Business Math **5 Unit(s)**

OR

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- BTEC 220 - Ten-Key Calculator **1 Unit(s)**
- BTEC 266 - Medical Law and Ethics **3 Unit(s)**
- H R 110 - Human Relation-Workplace **5 Unit(s)**

Total Units: ***14***

Term 4

- ACCT& 201 - Principles of Accounting I (AE) **5 Unit(s)**
- BTEC 107 - Electronic Medical Records **4 Unit(s)**
- BTEC 214 - Excel 1 **5 Unit(s)**
- M A 139 - MA Medical Terminology **5 Unit(s)**

Total Units: ***16***

Term 5

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

OR

- BIOL& 175 - Human Biology w/Lab (NS) **5 Unit(s)**
- BTEC 205 - Outlook **1 Unit(s)**
- BTEC 255 - Insurance and Billing **5 Unit(s)**
- CMST& 220 - Public Speaking (H) **5 Unit(s)**

Total Units: ***16***

Term 6

- BTEC 190 - Cooperative Work Exp **1 to 5 Unit(s)**
- BTEC 191 - Work Experience Seminar **1 Unit(s)**
- BTEC 261 - Medical Office Procedures **5 Unit(s)**
- BTEC 263 - Medical Documentation **4 Unit(s)**

Total Units: ***15***

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 Order of Classes

Term 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***

Term 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***

Term 3

- BTEC 120 - Applied Business Math **5 Unit(s)**

OR

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

- BTEC 220 - Ten-Key Calculator **1 Unit(s)**
- BUS& 101 - Introduction to Business (AE) **5 Unit(s)**
- H R 110 - Human Relation-Workplace **5 Unit(s)**

Total Units: ***16***

Term 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***

Term 5

- BTEC 222 - Microsoft Office-Powerpoint Module **1 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***

Term 6

- ACCT 220 - QuickBooks **4 Unit(s)**
- BTEC 190 - Cooperative Work Exp **1 to 5 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 Order of Classes

Term 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***

Term 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***

Term 3

- BTEC 120 - Applied Business Math **5 Unit(s)**

OR

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- BTEC 219 - Word II **5 Unit(s)**
- BTEC 220 - Ten-Key Calculator **1 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: ***14***

Term 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***

Term 5

- BTEC 205 - Outlook **1 Unit(s)**
- BTEC 222 - Microsoft Office-Powerpoint Module **1 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***

Term 6

- ACCT 220 - QuickBooks **4 Unit(s)**
- BTEC 190 - Cooperative Work Exp **1 to 5 Unit(s)**
- BTEC 212 - Access **5 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 Order of Classes

Term 1

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

Term 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***

Term 3

- SUDP 130 - Drug & Alcohol Responses **5 Unit(s)**
- PSYC& 220 - Abnormal Psychology **5 Unit(s)**
- BTEC 120 - Applied Business Math **5 Unit(s)**

OR

- Quantitative Skills Distribution (M) **5 Unit(s)**

Total Units: ***15***

Term 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***

Term 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***

Term 6

- SOC& 101 - Introduction 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: 90-92
Class Type: Lecture, Lab, Hybrid

Purpose: The Welding Technology program prepares students to compete for employment as an entry-level welder in building trades, ship building, structural fabrication, automatic and semiautomatic welding, and in maintenance welding

The Welding Technology AAS 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 Order of Classes

Term 1

- BTEC 214 - Excel 1 **5 Unit(s)**

OR

- I T 117 - Introduction to Windows OS **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

OR

- WRT 105 - Writing In The Workplace **5 Unit(s)**
- TRDS 100 - Industrial Safety **5 Unit(s)**
- TRDS 101 - College & Career Success: TRDS **3 Unit(s)**

Total Units: ***16-18***

Term 2

- DET 102 - Forklift Certification **1 Unit(s)**
- HLTH 145 - Safety & Fitness (HF) **3 Unit(s)**
- TRDS 150 - Print Reading **2 Unit(s)**
- TRDS 160 - CAD for Industry **2 Unit(s)**
- Quantitative Skills Distribution (M) **5 Unit(s)**

Total Units: ***13***

Term 3

- BTEC 191 - Work Experience Seminar **1 Unit(s)**
- WELD 161 - SMAW I **6 Unit(s)**
- WELD 165 - SMAW Theory **2 Unit(s)**
- WELD 265 - SMAW II **6 Unit(s)**
- WELD 284 - Arc Certification Theory **1 Unit(s)**

Total Units: ***16***

Term 4

- WELD 164 - FCAW/GMAW I **6 Unit(s)**
- WELD 175 - FCAW/GMAW Theory **2 Unit(s)**
- WELD 267 - FCAW/GMAW II **6 Unit(s)**

OR

- WELD 190 - Cooperative Work Experience **1 to 12 Unit(s)**

Total Units: ***14***

Term 5

- 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***

Term 6

- WELD 285 - Arc Welding Certification **5 Unit(s)**
- WELD 270 - Advanced Arc Welding **6 Unit(s)**
- WELD 275 - SMAW III **6 Unit(s)**

OR

- WELD 190 - Cooperative Work Experience **1 to 12 Unit(s)**

Total Units: ***14***

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 Order of Classes

Term 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***

Term 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***

Term 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**

Term 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***

Term 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***

Term 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 **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 - Introduction 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 (D) (H) **5 Unit(s)** **
- Health & Fitness Distribution **3 Unit(s)** **

Nursing Courses

Term 1

- NURS 101 - Basic Nursing Care Concepts **8 Unit(s)**
- NURS 111 - Basic Nursing Care Concepts Practicum **4 Unit(s)**

Term 2

- NURS 102 - Common Alterations in Health I **7 Unit(s)**
- NURS 112 - Common Alterations in Health I Practicum **5 Unit(s)**

Term 3

- NURS 103 - Common Alterations in Health II **7 Unit(s)**
- NURS 113 - Common Alterations in Health II Practicum **5 Unit(s)**

Term 4

- NURS 201 - Mental Health and Lifespan **7 Unit(s)**
- NURS 211 - Mental Health and Lifespan Practicum **5 Unit(s)**

Term 5

- NURS 202 - Complex Alterations in Health **7 Unit(s)**
- NURS 212 - Complex Alterations in Health Practicum **5 Unit(s)**

Term 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.

Applied Management, BAS-AM

The Bachelor of Applied Science in Applied Management

This degree provides the knowledge, skills, and abilities needed to work in a variety of businesses or industries. Admission into the BAS-AM program 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. In order to be placed into the admissions pool, applicants must complete or submit the following:

- All BAS application materials
- Associate degree of 90 units at junior-level standing with at least a 2.5 cumulative GPA
- Completed English 101 - English Composition with at a least a 2.0 cumulative GPA
- Completed ECON& 201 or ECON& 202
- Completed MATH& 146 or MATH& 148 or MATH& 151

The following courses must be completed prior to a bachelor's degree obtainment. Some courses can be included in the two-year degree or be completed during the bachelor's program in addition to the required courses. Students must complete a total of 55 units of General Education courses carrying the following distributions prior to graduation. Courses that cannot be included in an associate degree are bolded.

General Education Requirements

Communications (C) 10 units

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- Elective **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 305 - Managerial Economics (SS) **5 Unit(s)**
- PSYC 320 - Leadership & Organizational Behavior (SS) **5 Unit(s)**
- ECON& 201 - Microeconomics (SS) **5 Unit(s)**

OR

- ECON& 202 - Macroeconomics (SS) **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& 148 - Business Calculus (M) **5 Unit(s)**

OR

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

Natural Science (NS) 10 units w/ 1 Lab

- ENVS 440 - Environmental Issues (NS) **5 Unit(s)**
- Elective **5 Unit(s)**

Emphasis: Applied Management
Degree: Bachelor of Applied Science
Total Units: 90
Class Type: Lecture, Hybrid, Online

Purpose: The program is designed to provide a rigorous educational experience to graduate individuals who are well-grounded in management knowledge and ethical values, who possess the requisite skills in communications, teamwork, and business fundamentals, and who are ready to provide leadership and effective decision-making to both existing and startup organizations.
Program Outcomes: Upon successful completion, students will have demonstrated the ability to:

Communication Skills

Recognize communications issues and be able to employ effective oral, written, and analytical communication appropriate to organizational settings including personnel situations and in large and small group discussions.

Decision-Making

Understand the differences in decision-making strategies and when to use various approaches. This includes the application of analytical tools, quality information systems. Design evaluation strategies that foster continuous improvement.

Diversity

Be able to articulate the key laws, ethical aspects, regulations and benefits associated with diverse populations. Analyze workplace scenarios and understand how the move from accommodation, to inclusion, to aggressive recruitment can create competitive advantages.

Finance and Analysis

Design statistical models and apply data analysis techniques to the decision-making process. Utilize financial information, recognizing the reliability and accuracy of various sources, and managerial accountings tools to develop and analyze capital and operating budgets and understand various financing options to best meet organizational needs.

Global Perspectives

Be able to apply a global perspective to recognize and understand what is required to mitigate and manage the impacts of global currency differences and fluctuations as related to the purchase of raw materials and commodities or the sale of products to offshore customers. Understand the implications of doing business across legal and cultural boundaries.

Leadership and Management

Understand the difference between management and leadership, the variety of styles and roles and when they are best used as well as knowing how to work collaboratively in a team setting and how to create and manage productive teams. Recognize the value of diversity and community in business ventures.

Legal Issues and Ethics

Understand the difference between the law and ethics which includes articulating a personal ethical philosophy and the application to the workplace, especially with regard to human resource issues. Evaluate the impact of state and federal laws on 135
organizational practices and management scenarios.

Operations Management

Know how to apply marketing principles and current technologies, including the development of marketing plans, to deliver goods and services with increasing levels of quality, efficiency and customer satisfaction to maximize the return from operations management.

Strategic Management

Be able to move from the theoretical understanding of how market, local, national and global issues impact strategic management of an organization which includes the ability to develop an actionable strategic plan with appropriate contingencies for an organization. Apply project management concepts to develop, manage and track a project.

Tax and Audit

Know how to report financial performance in accordance with accounting principles required in tax, commercial, or government conceptual frameworks. Be able to apply audit procedures necessary in creating reasonable assurance as it pertains to financial performance presentation.

Recommended Course Schedule

Term 1

- CMST 330 - Professional & Organizational Communication (H) **5 Unit(s)**
- HUM 315 - Ethics (H) **5 Unit(s)**
- PSYC 320 - Leadership & Organizational Behavior (SS) **5 Unit(s)**

Total Units: **15**

Term 2

- ACCT 310 - Accounting Principles for Mgrs **5 Unit(s)**

OR

- Accounting Elective **5 Unit(s)**
- MATH 350 - Managerial Statistics (M) **5 Unit(s)**
- MGMT 340 - Applied Financial Management **5 Unit(s)**

Total Units: **15**

Term 3

- ENVS 440 - Environmental Issues (NS) **5 Unit(s)**
- MGMT 420 - Management of Human Resources **5 Unit(s)**
- MGMT 380 - Marketing for Managers **5 Unit(s)**

OR

- Accounting Elective **5 Unit(s)**

Total Units: **15**

Term 4

- ECON 305 - Managerial Economics (SS) **5 Unit(s)**
- MGMT 370 - Practicum in Management **5 Unit(s)**
- Accounting or Management Elective **5 Unit(s)**

Total Units: **15**

Term 5

- MGMT 325 - Legal Issues **5 Unit(s)**
- MGMT 360 - Business Principles, Planning & Strategy **5 Unit(s)**
- Accounting or Management Elective **5 Unit(s)**

Total Units: **15**

Term 6

- MGMT 460 - Internship Seminar **2 Unit(s)**
- MGMT 470 - Management Internship **3 Unit(s)**
- MGMT 490 - Strategic Management **5 Unit(s)**
- Accounting or Management 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)**

Management Concentration

- MGMT 410 - Project Management
- MGMT 430 - Supply Chain Management
- MGMT 435 - Operations Management
- MGMT 440 - Quality Management Principles
- MGMT 445 - Warehouse Management

Behavioral Healthcare, BAS-BH

An applied bachelor's degree in Behavioral Healthcare (BAS-BH) provides the knowledge, skills and abilities needed to work in a variety of human service careers.
Admission into the BAS-BH program is 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. In order to be placed into the admissions pool, applicants must complete or submit the following:

Minimum Admission Requirements

1. BAS Application materials
2. Associate degree of 90 units at junior-level standing with at least a 2.5 cumulative GPA
3. English 101 English Composition I with at least a 2.0 minimum GPA
4. Completion of SUDP 100 Intro to SUDP (formerly CDP 100)

The following courses must be completed prior to earning a bachelor's degree. The courses can be included in the two-year degree or be completed during the bachelor's program in addition to program required courses. Students must complete a total of 50 units of General Education courses carrying the following distributions prior to graduation. Courses that cannot be included in an associate degree are bolded.

General Education Requirements

Communications (C) 10 units

- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- Elective **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)**
- PSYC& 220 - Abnormal Psychology **5 Unit(s)**
- SOC& 101 - Introduction to Sociology (D)(SS) **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& 170 - Human Biology (NS) **5 Unit(s)**
- BIOL 172 - Human Biology Lab (NS) **1 Unit(s)**

OR

- natural science w/lab **5 Unit(s)**

Distribution Electives (C) (H) (SS) (M) (NS) 5 units

- Elective **5 Unit(s)**

NOTE:
Students enroll full-time for a total of 15 units (three classes) per quarter for six quarters. There are no upper division summer courses offered.

Hybrid Evening Program
The evening hybrid program is a mix of online work (60 percent) and shortened class meetings (40 percent). The upper division classes meet two evenings per week - 5-8:50 p.m. Tuesdays and 6-7:50 p.m. Thursdays. Each class meets two hours per week and the remaining coursework is online.

Steps to Apply

1. If you are not a current or former Centralia College student, obtain a ctcLink ID number by applying to Centralia College online.
2. Complete the online BAS-BH Application Form. Priority applications will be accepted until July 30. Applications will be reviewed and applicants notified regarding admission by August 16.

After receiving the online BAS-BH Application Form, Enrollment Services will email you instructions for completing your admissions packet through Canvas.

Emphasis: Behavioral Healthcare
Degree: Bachelor of Applied Science
Total Units: 90-91
Class Type: Lecture, Lab, Hybrid

Purpose: The 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.

Recommended 2-year Course Plan

Term 1

- ENGL& 102 - Composition II (C) **5 Unit(s)**

OR

- General Education Distribution Requirement **5 Unit(s)**
- BASBH 300 - Intro to Behavioral Healthcare **5 Unit(s)**
- BASBH 320 - Social & Cultural Diversity BH **5 Unit(s)**

Total Units: **15**

Term 2

- BASBH 330 - Ethics in Behavioral Healthcare **5 Unit(s)**
- BASBH 350 - Neurobiology **5 Unit(s)**
- SUDP 110 - Counseling Techniques **4 Unit(s)**

OR

- General Education Distribution Requirement **4-5 Unit(s)**

Total Units: **14-15**

Term 3

- BASBH 400 - Case Management **5 Unit(s)**
- PSYC 209 - Research Methods (AE) **5 Unit(s)**
- SUDP 240 - Group Counseling **5 Unit(s)**

OR

- General Education Distribution Requirement **5 Unit(s)**

Total Units: **15**

Term 4

- BASBH 420 - Treatment of Mental Health Disorders **5 Unit(s)**
- BASBH 450 - Advanced Counseling Techniques **5 Unit(s)**
- BASBH 455 - Behavioral Healthcare in Primary Care **5 Unit(s)**

Total Units: **15**

Term 5

- BASBH 340 - Professional Development **5 Unit(s)**
- BASBH 430 - Trauma-Informed Care **5 Unit(s)**
- BASBH 440 - Family Counseling **5 Unit(s)**

Total Units: **15**

Term 6

- BASBH 325 - Sociology of Health & Healthcare **5 Unit(s)**
- BASBH 470 - Practicum in Management **5 Unit(s)**
- BASBH 471 - Capstone **5 Unit(s)**
- PSYC 409 - Positive Psychology, Health and Aging **5 Unit(s)**

Total Units: **15**

NOTE: SUDP 110 and SUDP 240 are required courses. Students who have not completed SUDP 110 and SUDP 240 prior to program admissions, must complete the courses as part of the program. Students who have completed SUDP 110 and SUDP 240 prior to program admission, must complete three general education requirements as part of the program. Students who have completed SUDP courses and all general education prior to program start, will take the following course(s) to reach a minimum of 90 units for this degree. (PSYC 210, PSYC 250, SOC 125, SOC& 201)

Alternative 3-year Course Plan

Term 1

- ENGL& 102 - Composition II (C) **5 Unit(s)**

OR

- General Education Distribution Requirement **5 Unit(s)**
- BASBH 300 - Intro to Behavioral Healthcare **5 Unit(s)**

Total Units: **10**

Term 2

- SUDP 110 - Counseling Techniques **4 Unit(s)**

OR

- General Education Distribution Requirement **4-5 Unit(s)**
- BASBH 330 - Ethics in Behavioral Healthcare **5 Unit(s)**

Total Units: **9-10**

Term 3

- SUDP 240 - Group Counseling **5 Unit(s)**

OR

- General Education Distribution Requirement **5 Unit(s)**
- PSYC 209 - Research Methods (AE) **5 Unit(s)**

Total Units: **10**

Term 4

- BASBH 320 - Social & Cultural Diversity BH **5 Unit(s)**
- BASBH 455 - Behavioral Healthcare in Primary Care **5 Unit(s)**

Total Units: **10**

Term 5

- BASBH 350 - Neurobiology **5 Unit(s)**
- BASBH 430 - Trauma-Informed Care **5 Unit(s)**

Total Units: **10**

Term 6

- BASBH 400 - Case Management **5 Unit(s)**
- PSYC 409 - Positive Psychology, Health & Aging **5 Unit(s)**

Total Units: **10**

Term 7

- BASBH 420 - Treatment of Mental Health Disorders **5 Unit(s)**
- BASBH 450 - Advanced Counseling Techniques **5 Unit(s)**

Total Units: **10**

Term 8

- BASBH 340 - Professional Development **5 Unit(s)**
- BASBH 440 - Family Counseling **5 Unit(s)**

Total Units: **10**

Term 9

- BASBH 325 - Sociology of Health & Healthcare **5 Unit(s)**
- BASBH 470 - Practicum **5 Unit(s)**

OR

- BASBH 471 - Capstone Project **5 Unit(s)**

Total Units: **10-11**

Diesel Technology, BAS-DT

Admission into the BAS-DT program is 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. In order to be placed into the admissions pool, applicants must complete or submit the following:

- BAS application materials
- Associate degree of 90 units at junior-level standing with at least a 2.5 cumulative GPA.
- 15 units in Diesel, Automotive, or related fields with at least a 2.0 GPA

The following courses must be completed prior to a bachelor's degree obtainment. Some courses can be included in the two-year degree or be completed during the bachelor's program in addition to the required courses.
Students must complete a total of 50 units of General Education courses carrying the following distributions prior to graduation. Courses that cannot be included in an associate degree are bolded.

General Education Requirements
Communications (C) 10 units

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

- Elective **5 Unit(s)**

Quantitative Skills (M) 5 units

- MATH& 107 - Math in Society (M) **5 Unit(s)**
- MATH& 141 - Pre-Calculus I (M) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)** or equivalent

Natural Science (NS) 10 units, One with Lab

- DET 325 - Material Science of Fluids **5 Unit(s)**
- Elective **5 Unit(s)**

Distribution Electives (C) (H) (SS) (M) (NS) 10 units

- Elective **5 Unit(s)**
- Elective **5 Unit(s)**

Emphasis: Diesel Technology
Degree: Bachelor of Applied Science
Total Units: 96
Class Type: Lecture, Lab, Hybrid

Purpose: The program is designed to provide a rigorous educational experience to graduate individuals who are well-grounded in management knowledge and ethical values, who possess the requisite skills in communications, teamwork, and business fundamentals, and who are ready to provide leadership and effective decision-making to both existing and startup organizations.

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

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.

Recommended Course Schedule

Fall Quarter, Junior Year

- 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, Junior Year

- DET 325 - Material Science of Fluids **5 Unit(s)** ** (NS) *
- DET 335 - Regulatory Issues **5 Unit(s)**
- Elective **5 Unit(s)**

Total Units: **15**

Spring Quarter, Junior Year

- 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: **18**

Fall Quarter, Senior Year

- CMST 330 - Professional & Organizational Communication (H) **5 Unit(s)** ** (HS) *
- DET 430 - Shop/Fleet Management **5 Unit(s)**
- DET 455 - Applied Failure Analysis **5 Unit(s)**

Total Units: **15**

Winter Quarter, Senior Year

- DET 435 - Hydraulics II **5 Unit(s)**
- DET 445 - Combustion Engine Fuels **5 Unit(s)**
- Elective **5 Unit(s)**

Total Units: **15**

Spring Quarter, Senior Year

- DET 415 - Electrical III **5 Unit(s)** *
- DET 465 - Power Generation Systems **5 Unit(s)**
- HUM 315 - Ethics (H) **5 Unit(s)** ** (H) *

Total Units: **15**

Software Engineering, BAS-SE

Admission into the BAS-SE program is 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. In order to be placed into the admissions pool, applicants must complete or submit the following:

- BAS application materials
- Associate degree of 90 units at junior-level standing with at least a 2.5 cumulative GPA
- Completion of 10 or more lower division units in current programming languages with a minimum 2.0 GPA

The following courses must be completed prior to a bachelor's degree obtainment. Some courses can be included in the two-year degree or be completed during the bachelor's program in addition to the required courses.
Students must complete a total of 50 units of General Education courses carrying the following distributions prior to graduation. Courses that cannot be included in an associate degree are bolded.

General Education Requirements
Communications (C) 10 units

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

- Elective **5 Unit(s)**

Quantitative Skills (M) 15 units

- MATH& 142 - Pre-Calculus II (M) **5 Unit(s)**

OR

- MATH 118 - Linear Algebra (M) **5 Unit(s)**

OR

- MATH 202 - Discrete Structures 1 (M) **5 Unit(s)**
- MATH 102 - Introduction to Discrete Structures **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

Natural Science w/Lab (NS) 5 units

- Elective **5 Unit(s)**

Distribution Electives (C) (H) (SS) (M) (NS) 5 units

- Elective **5 Unit(s)**

Emphasis: Software Engineering
Degree: Bachelor of Applied Science
Total Units: 90
Class Type: Lecture, Lab, Hybrid

Purpose: The program is designed to ensure graduates have a strong technical foundation in application and software development and will be prepared to work in teams, manage IT projects, and prepare software documentation. The program outcomes align with Centralia College Student Learning Competencies.

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

- Develop efficient code following best practices in data design and software development
- Communicate effectively with stakeholders
- Demonstrated ability to troubleshoot and problem-solve defect from identification to resolution

- Write and present technical documentation
- Project management skills, such as estimating work effort, assessing risk, analyzing data, and defining project scope
- Perform software assurance activities

Recommended Course Schedule

Term 1

- CMST 330 - Professional & Organizational Communication (H) **5 Unit(s)**
- I T 301 - Application Development Fundamentals **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

Total Units: **15**

Term 2

- I T 310 - Adv Web Applications **5 Unit(s)**
- I T 330 - Software Engineering I **5 Unit(s)**
- I T 350 - Advanced Database Design **5 Unit(s)**

Total Units: **15**

Term 3

- HUM 315 - Ethics (H) **5 Unit(s)**
- I T 340 - Software Engineering II **5 Unit(s)**
- Elective **5 Unit(s)**

Total Units: **15**

Term 4

- I T 415 - Data Structures and Algorithms **5 Unit(s)**
- I T 420 - Business Intelligence App **5 Unit(s)**
- MATH 102 - Introduction to Discrete Structures **5 Unit(s)**

Total Units: **15**

Term 5

- I T 435 - Current Topics in Computing **5 Unit(s)**
- Elective **5 Unit(s)**
- I T 410 - Advanced Data Access Techniques **5 Unit(s)**

Total Units: **15**

Term 6

- I T 430 - Info Security for Developers **5 Unit(s)**
- I T 440 - I T Internship **3 Unit(s)**

OR

- I T 460 - BAS-IT: AD Capstone **5 Unit(s)**
- Elective **5 Unit(s)**

Total Units: **15**

Teacher Education, BAS-TE

Admission into the BAS-TE program is 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. In order to be placed into the admissions pool, applicants must complete and submit the following:

Minimum Admission Requirements

1. BAS application materials
2. Associate degree of 90 units at junior-level standing with at least a 2.5 cumulative GPA
3. Successful completion of:

- English Composition I (5 units) with a 2.0 or better
- A college-level math course for which intermediate algebra is a prerequisite and contains quantitative skills distribution
- EDUC& 115 - Child Development (SS) or PSYC& 200 - Lifespan Psychology (SS)
- ECED& 180 - Language/Literacy Development
- A minimum of three additional units of education course work (ECED& 100 Child Care Basics) does not qualify for this requirement. Highly recommended courses include: EDUC& 130 - Guiding Behavior, ECED& 170 - Environments-Young Child; ECED& 190 - Observation & Assessment; EDUC& 204 - Exceptional Child; EDUC& 205 - Introduction to Education with Field Experience

The following courses must be completed prior to a bachelor's degree obtainment. Some courses can be included in the two-year degree or be completed during the bachelor's program in addition to the required courses.
Students must complete a total of 55 units of General Education courses carrying the following distributions prior to graduation. Courses that cannot be included in an associate degree are bolded.

Additional Admissions Requirements

- Completion of the WEST B Test
- Completion of FERPA release to share data with OSPI
- Completion of State of Washington required data sheet

Additional Requirements (Completed during the first quarter)

- Office of the Superintendent for Public Instruction (OSPI) Background Check
- Pre-residency clearance

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) 10 units

- Elective **5 Unit(s)**
- Elective **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)**
- History course highly recommended **5 Unit(s)**
- SST 365 - Social Studies for Teachers (SS) **5 Unit(s)**

Quantitative Skills (M) 10 units

- College Level Math **5 Unit(s)**
- MATH 315 - Teaching Math (M) **5 Unit(s)**

Natural Science (NS) 10 units w/ 1 Lab

- Physical Science *(Chemistry, Geology, Oceanography)* **5 Unit(s)**
- Life Science *(Biology, Environmental, Nutrition)* **5 Unit(s)**

Special Education Endorsement Coursework

- EDUC 370 - Support: Child & Family **3 Unit(s)** **
- EDUC 380 - Typical & Atypical Child Development **5 Unit(s)** **
- EDUC 385 - SPED Assessment **3 Unit(s)** **
- EDUC 410 - Exceptional Learners **5 Unit(s)** **
- EDUC 480 - SPED Seminar **1 Unit(s)** **

Emphasis: Elementary Education
Degree: Bachelor of Applied Science
Total Units: 91-101
Class Type: Lecture, Lab, Hybrid

Purpose: The program is designed to graduate individuals who are well-grounded in education and training and are prepared to obtain initial teaching certification (k-8) in the state of Washington with a primary endorsement in elementary education. Students can complete additional classes for a second endorsement in special education.

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.

Recommended Course Schedule

Term 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**

Term 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**

Term 3

- EDUC 345 - Language Arts and Development **3 Unit(s)**
- EDUC 365 - Intermediate Reading **3 Unit(s)**
- EDUC 380 - Typical & Atypical Child Development **5 Unit(s)**
- EDUC 400 - Education and the Law **3 Unit(s)**
- EDUC 410 - Exceptional Learners **5 Unit(s)**
- EDUC 421 - Classroom Management **6 Unit(s)**

Total Units: **15-19**

Term 4

- EDUC 320 - Social Emotional Teaching and Learning **5 Unit(s)**
- EDUC 480 - SPED Seminar **1 Unit(s)**
- MATH 315 - Teaching Math (M) **5 Unit(s)**
- SST 365 - Social Studies for Teachers (SS) **5 Unit(s)**

Total Units: **17**

Term 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: **13-16**

Term 6

- EDUC 335 - Teaching Art & Movement **3 Unit(s)**
- EDUC 480 - SPED Seminar **1 Unit(s)** **
- EDUC 490 - Student Teaching SPED **10 Unit(s)** **
- EDUC 498 - Student Teaching Elementary 2 **10 Unit(s)**

Total Units: **14-15**

NOTE:
**Courses are only required for students completing both the Elementary Education and Special Education endorsements.

Associate in Biology

Emphasis: Biology, Botany, Ecology, Zoology
Degree: Associate in Biology-DTA/MRP
Total Units: 96

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

This program assumes that a student is prepared to start college-level math and English courses. Students who are not prepared to begin at this level may require additional quarters.
To ensure optimal course selection, plan your program of study with your advisor and with the specific requirements of your likely transfer institution.

Suggested Order of Classes

Term 1

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

OR

- Humanities Distribution (H) 5 Unit(s)
- SCIE 100 - College & Career Success: STEM **3 Unit(s)**

Total Units: ***19***

Term 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 - Pre-Calculus II (M) **5 Unit(s)**

OR

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

Total Units: ***16***

Term 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***

Term 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***

Term 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***

Term 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

Purpose: The Associate in Business is designed for students who plan to transfer to a four-year college or university to complete a bachelor's degree in business.

Suggested Order of Classes

Term 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***

Term 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***

Term 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***

Term 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***

Term 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***

Term 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 transfer 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 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 Order of Classes

Term 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***

Term 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***

Term 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***

Term 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***

Term 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***

Term 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 Order of Classes

Term 1
- ENGL& 101 - English Composition I (C) **5 Unit(s)**
- MATH& 141 - Pre-Calculus I (M) **5 Unit(s)**

OR
- MATH& 142 - Pre-Calculus II (M) **5 Unit(s)** Based on placement
- Humanities Distribution (H) **5 Unit(s)**

Total Units: ***15***

Term 2
- CMST& 220 - Public Speaking (H) **5 Unit(s)**
- ENGL& 102 - Composition II (C) **5 Unit(s)**
- MATH& 142 - Pre-Calculus II (M) **5 Unit(s)**

OR
- MATH& 151 - Calculus I (M) **5 Unit(s)**

Total Units: ***15***

Term 3
- MATH& 151 - Calculus I (M) **5 Unit(s)**

OR
- MATH& 152 - Calculus II (M) **5 Unit(s)**
- PSYC& 100 - General Psychology (SS) **5 Unit(s)**
- Humanities Distribution (H) **5 Unit(s)**

Total Units: ***15***

Term 4
- MATH 118 - Linear Algebra (M) **5 Unit(s)**
- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**

OR
- MATH& 152 - Calculus II (M) **5 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: ***20***

Term 5
- EDUC& 201 - Introduction to Education (AE) **3 Unit(s)**
- MATH& 163 - Calculus III (AE) **5 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**
- Social Science Distribution (SS) **5 Unit(s)**

Total Units: ***16***

Term 6
- EDUC 202 - Classroom Observation **2 Unit(s)**
- MATH 212 - Elementary Differential Equations (AE) **5 Unit(s)**

OR
- MATH 264 - Calculus IV (AE) **3 Unit(s)**
- Natural Science Distribution (NS) **5 Unit(s)**

Total Units: ***15***

NOTE:
Physics, Chemistry, Geology or Biology; at least one lab science required.

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 Order of Classes

Term 1

- COLL 100 - College & Career Success **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***

Term 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***

Term 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***

Term 4

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

Total Units: ***15***

Term 5

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

Total Units: ***15***

Term 6

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

Total Units: ***15***

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 Order of Classes

Term 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***

Term 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***

Term 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: ***14***

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 a 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 Order of Classes

Term 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 Order of Classes

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, Initial State Certificate-Early Childhood Ed

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: 52
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 Order of Classes

Term 1

- ECED& 105 - Introduction Early Child Education (SS) **5 Unit(s)**
- ECED& 132 - Infant/Toddler Care **3 Unit(s)**

OR

- ECED& 134 - Family Child Care **3 Unit(s)**

OR

- ECED& 138 - Home Visiting & Family Engagement **3 Unit(s)**

OR

Total Units: **16**

Term 2

- ECED& 120 - Practicum-Nurturing Relationships **2 Unit(s)**
- ECED& 170 - Environments-Young Child **3 Unit(s)**
- ECED& 190 - Observation & Assessment **3 Unit(s)**
- BTEC 120 - Applied Business Math **5 Unit(s)**

OR

- Quantitative Skills Distribution **5 Unit(s)**

Total Units: ***13***

- ECED& 139 - Administration of Early Childhood Education **3 Unit(s)**

OR

- EDUC& 130 - Guiding Behavior **3 Unit(s)**

OR

- EDUC& 136 - School Age Care **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)**

Term 3

- ECED& 160 - Curriculum Development **5 Unit(s)**
- ECED& 180 - Language/Literacy Development **3 Unit(s)**
- H R 110 - Human Relation-Workplace **5 Unit(s)**

Total Units: ***13***

Term 4

- ECED& 107 - Health/Safety/Nutrition **5 Unit(s)**
- EDUC& 115 - Child Development (SS) **5 Unit(s)**

Total Units: ***10***

Industrial Trades, Certificate of Proficiency

Emphasis: Industrial Trades
Degree: Certificate of Proficiency
Total Units: 48-55

Purpose: Provides students with training in the Industrial Trades and workplace competencies necessary to compete for entry-level employment.

- Solve basic industrial math problems.
- Analyze and calculate data using spreadsheet software.
- Demonstrate the ability to apply acquired skills in the workplace.
- Perform repair procedures using proper tools while abiding by safety and environmental regulations.
- Identify, diagnose, and repair electrical and hydraulic circuits.
- Identify, diagnose, and repair industrial equipment.
- Identify, diagnose, and repair HVAC systems.
- Maintain proper workplace documentation in a professional manner.
- Conduct behavior that is consistent with the professionalism standards of the industry.
- Safely operate equipment and demonstrate practices that promote workplace safety.
- Work as a member of a team in an office or industrial setting and recognize the need to pursue results that exceed the minimum standards whenever possible.
- Embrace the inevitability of change in technology and pursue opportunities to improve skills with an attitude of "Life-long Learning".
- Diagnose, troubleshoot, maintain, and repair electrical components and systems.
- Design, implement and maintain automated systems including programmable logic controllers and industrial sensors.
- Diagnose, troubleshoot, and repair mechanical, hydraulic, and pneumatic components and systems.
- Independently analyze system errors and implement solutions.

Suggested Order of Classes

Term 1

- TRDS 100 - Industrial Safety **5 Unit(s)**
- TRDS 101 - College & Career Success: TRDS **3 Unit(s)**
- TRDS 120 - Mechanical Systems **5 Unit(s)**
- BTEC 214 - Excel 1 **5 Unit(s)**

OR

- I T 117 - Introduction to Windows OS **3 Unit(s)**
- ENGL& 101 - English Composition I (C) **5 Unit(s)**

OR

- WRT 105 - Writing In The Workplace **5 Unit(s)**

Total Units: ***21-23***

Term 2

- DET 102 - Forklift Certification **1 Unit(s)**
- HLTH 145 - Safety & Fitness (HF) **3 Unit(s)**
- TRDS 140 - Fluid Systems **5 Unit(s)**
- TRDS 150 - Print Reading **2 Unit(s)**
- TRDS 160 - CAD for Industry **2 Unit(s)**
- TRDS 180 - Electrical Systems **5 Unit(s)**
- Quantitative Skills Distribution (M) **5 Unit(s)**

Total Units: ***23***

Term 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)**
- HLTH 145 - Safety & Fitness (HF) **3 Unit(s)**
- Program Electives **3-12 Unit(s)**
- Quantitative Skills Distribution (M) **5 Unit(s)**

Total Units: ***17-26***

Medical Office Assistant, Certificate of Proficiency

Emphasis: Medical Office Assistant
Degree: Certificate of Proficiency
Total Units: 50
Class Type: Lecture, Lab, Hybrid, Online

Purpose: The Medical Office Assistant Certificate program combines general office skills with studies in medical terminology, human biology, medical office procedures, and medical machine transcription.

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 apply acquired skills in the workplace
- Demonstrate the ability to relate effectively with others in the classroom
- Demonstrate human relations skills and professional behavior necessary for successful job performance
- Use medical terms correctly
- Obtain a first aid certificate
- Demonstrate an understanding of human biology
- Possess a basic understanding of medical office procedures using medical charts and records, electronic records, receiving visitors, scheduling appointments, and confidentiality in a medical office

Suggested Order of Classes

Term 1

- BTEC 107 - Electronic Medical Records **4 Unit(s)**
- BUS 100 - College & Career Success: BUS **3 Unit(s)**
- I T 117 - Introduction to Windows OS **3 Unit(s)**
- M A 139 - MA Medical Terminology **5 Unit(s)**

Total Units: ***15***

Term 2

- BTEC 102 - Intermediate Keyboarding **3 Unit(s)**
- BTEC 210 - Word 1 **5 Unit(s)**
- BTEC 255 - Insurance and Billing **5 Unit(s)**
- WRT 105 - Writing In The Workplace **5 Unit(s)**

Total Units: ***18***

Term 3

- BTEC 120 - Applied Business Math **5 Unit(s)**
- BTEC 261 - Medical Office Procedures **5 Unit(s)**
- BTEC 266 - Medical Law and Ethics **3 Unit(s)**
- HLTH 145 - Safety & Fitness (HF) **3 Unit(s)**
- BTEC 191 - Work Experience Seminar **1 Unit(s)**

Total Units: ***17***

Medical Scribe, Certificate of Proficiency

Emphasis: Medical Scribe
Degree: Certificate of Proficiency
Total Units: 49
Class Type: Lecture, Lab, Hybrid

Purpose: The Medical Office Scribe Certificate program combines general office skills with studies in medical terminology, human biology, medical office procedures, and medical machine transcription. The intended occupational path is that of a scribe assisting a provider in a medical setting such as a clinic or hospital.

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

- Demonstrate the ability to keyboard with speed and accuracy
- 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
- Demonstrate the ability to apply acquired skills in the workplace
- Demonstrate the ability to relate effectively with others in the classroom
- Demonstrate human relations skills and professional behavior necessary for successful job performance
- Use medical terms correctly
- Obtain a first aid certificate
- Demonstrate an understanding of human biology

Suggested Order of Classes

Term 1

- BTEC 102 - Intermediate Keyboarding **3 Unit(s)**
- BTEC 107 - Electronic Medical Records **4 Unit(s)**
- BTEC 210 - Word 1 **5 Unit(s)**
- BUS 100 - College & Career Success: BUS **3 Unit(s)**

Total Units: ***15***

Term 2

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

OR

- BIOL& 175 - Human Biology w/Lab (NS) **5 Unit(s)**
- BTEC 203 - Advanced Keyboarding **3 Unit(s)**
- M A 130 - Medical Math **5 Unit(s)**
- WRT 105 - Writing In The Workplace **5 Unit(s)**

Total Units: ***18***

Term 3

- BTEC 191 - Work Experience Seminar **1 Unit(s)**
- BTEC 263 - Medical Documentation **4 Unit(s)**
- BTEC 266 - Medical Law and Ethics **3 Unit(s)**
- HLTH 145 - Safety & Fitness (HF) **3 Unit(s)**
- M A 130 - Medical Math **5 Unit(s)**

Total Units: ***16***

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 the 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 Order of Classes

Term 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: 49
Class Type: Lecture, Lab, Hybrid, Online

Purpose: The Office Assistant Certificate program prepares students for entry-level employment as office assistants. Prerequisites include demonstrated proficiency in math, reading, English, and basic keyboarding skills.

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 apply acquired skills in the workplace
- 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
- Develop effective presentations using presentation software
- Develop effective communications skills using electronic software
- Possess a basic understanding of receiving office visitors, using the telephone, scheduling appointments, customer service, and confidentiality skills in an office.

Suggested Order of Classes

Term 1

- ACCT& 201 - Principles of Accounting I (AE) **5 Unit(s)**
- BTEC 102 - Intermediate Keyboarding **3 Unit(s)**
- BTEC 214 - Excel 1 **5 Unit(s)**
- BTEC 233 - Records Management **5 Unit(s)**

Total Units: ***18***

Term 2

- BTEC 205 - Outlook **1 Unit(s)**
- BTEC 210 - Word 1 **5 Unit(s)**
- BTEC 221 - Business Communications **5 Unit(s)**
- BTEC 222 - Microsoft Office-Powerpoint Module **1 Unit(s)**
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: ***15***

Term 3

- BTEC 120 - Applied Business Math **5 Unit(s)**
- BTEC 220 - Ten-Key Calculator **1 Unit(s)**
- BTEC 224 - General Office Procedures **5 Unit(s)**
- H R 110 - Human Relation-Workplace **5 Unit(s)**

Total Units: ***16***

Phlebotomy, Certificate of Completion

Emphasis: Phlebotomy
Degree: Certificate of Completion
Total Units: 14
Class Type: Lecture, Lab

Purpose: This certificate is for existing healthcare workers desiring certification in Phlebotomy. Laboratory procedures and regulations as set forth by federal standards will be the focus of this course. Students will be taught how to perform clinical laboratory testing that is within their scope of practice. Phlebotomy training will be a major emphasis in this program with hands on practice and dexterity for successful and safe venipuncture. Other common lab tests performed in clinical settings will be learned.

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

- Competency in collecting blood via venipuncture, syringe, butterfly draws as well as other biological specimens and substances.
- Recognize the legal and ethical standards in the laboratory setting.
- Understand factors that can affect procedures and results of specimen testing.
- Know laboratory safety and take appropriate actions on safety.
- Display professionalism and interpersonal skills with patients, laboratory personnel as well as other health care providers.
- Recognize the responsibilities of a phlebotomist in the working laboratory.

Suggested Order of Classes

Term 1

- PHLE 201 - Phlebotomy for Healthcare 1 **6 Unit(s)**
- PHLE 202 - Phlebotomy for Healthcare 2 **8 Unit(s)**

Total Units: ***14***

Phlebotomy, Certificate of Proficiency

Emphasis: Phlebotomy
Degree: Certificate of Proficiency
Total Units: 46
Class Type: Lecture, Lab

Purpose: Laboratory procedures and regulations as set forth by federal standards will be the focus of this course. Students will be taught how to perform clinical laboratory testing that is within their scope of practice. Phlebotomy training will be a major emphasis in this program with hands-on practice and dexterity for successful and safe venipuncture. Other common lab tests performed in clinical settings will be learned.

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

- Competency in collecting blood via venipuncture, syringe, butterfly, and arterial draws as well as other biological specimens and substances.
- Recognize the legal and ethical standards in the laboratory setting.
- Understand factors that can affect procedures and results of specimen testing.
- Know laboratory safety and take appropriate actions on safety.
- Display professionalism and interpersonal skills with patients, laboratory personnel as well as other health care providers.
- Recognize the responsibilities of a phlebotomist in the working laboratory.

Suggested Order of Classes

Fall Quarter, First Year

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

OR

- WRT 105 - Writing In The Workplace **5 Unit(s)**
- M A 139 - MA Medical Terminology **5 Unit(s)**
- BTEC 101 - Beginning Keyboarding **3 Unit(s)**

OR

- BTEC 102 - Intermediate Keyboarding **3 Unit(s)**

Total Units: ***13***

Winter Quarter, First Year

- BIOL& 170 - Human Biology (NS) **5 Unit(s)**
- M A 130 - Medical Math **5 Unit(s)**

OR

- MATH& 146 - Introduction to Statistics (M) **5 Unit(s)**
- PHLE 131 - Intro to Phlebotomy **6 Unit(s)**

Total Units: ***16***

Spring Quarter, First Year

- H R 110 - Human Relation-Workplace **5 Unit(s)**
- HLSV 110 - Basic Life Support for Healthcare **1 Unit(s)**
- PHLE 132 - Advanced Phlebotomy **8 Unit(s)** **
- Health & Fitness Distribution (HF) **3 Unit(s)**

Total Units: ***17***

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.

Recommended Course Schedule

Term 1

- EDUC 300 - Introduction SPED **3 to 5 Unit(s)**
- EDUC 370 - Support: Child & Family **3 Unit(s)**

Total Units: ***6-8***

Term 2

- EDUC 385 - SPED Assessment **3 Unit(s)**

Total Units: ***3***

Term 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 Order of Classes

Term 1

- WELD 180 - Oxyfuel & GTAW **5 Unit(s)**

Term 2

- WELD 181 - Shielded Metal Arc Welding **5 Unit(s)**

Term 3

- WELD 182 - Gas Metal Arc Welding **5 Unit(s)**

Term 3

- WELD 285 - Arc Welding Certification **5 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 Order of Classes

Term 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***

Term 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***

Term 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***

Term 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 **5 Unit(s)**
- Quantitative Skills Distribution (M) **5 Unit(s)**

Total Units: ***18***

COURSE DESCRIPTIONS

ACCOUNTING

ACCT 190 - Cooperative Work Experience
1-12 Unit(s) Prerequisite(s) BTEC 191 (prior to or concurrent) or instructor permission. 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. Attainment of learning objectives and development of positive work habits are emphasized.

ACCT& 201 - Principles of Accounting I (AE)
5 Unit(s) Prerequisite(s) MATH 096 or equivalent or instructor permission. **ICRC Approved Elective.** 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.

ACCT& 202 - Principles of Accounting II (AE)
5 Unit(s) Prerequisite(s) ACCT& 201 or ACCT 110 and 120 or instructor permission. **ICRC Approved Elective.** 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.

ACCT& 203 - Principles of Accounting III (AE)
5 Unit(s) Prerequisite(s) ACCT& 201 or ACCT 110 and 120. **ICRC Approved Elective.** 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.

ACCT 210 - Introduction to Audit
5 Unit(s) Prerequisite(s) ACCT& 201 or ACCT 110 and 120. 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.

ACCT 220 - QuickBooks
4 Unit(s) Prerequisite(s) ACCT& 201 or ACCT 110 & ACCT 120. 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.

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) Prerequisite(s) ACCT& 201 or ACCT 110 & 120. 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; and preparing tax returns and schedules based on filing status, dependent identification and classification, the standard deduction, gross income inclusions and exclusions, tax deductions and credits, business expenses, and itemized deductions.

ACCT 270 - Payroll Accounting
5 Unit(s) Prerequisite(s) ACCT& 201 for AAS students. 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.

ACCT 270 - Payroll Accounting

5 Unit(s) Prerequisite(s) ACCT& 201 for AAS students. **Corequisite(s)** ACCT& 201 for certificate students. 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.

ACCT 285 - Bookkeeper Certification Course

5 Unit(s) Prerequisite(s) ACCT& 202, ACCT 260, ACCT 270. 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.

ACCT 301 - Intermediate Accounting I

5 Unit(s) Prerequisite(s) ACCT& 202 or instructor permission. 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 publicly traded and privately held.

ACCT 302 - Intermediate Accounting II

5 Unit(s) Prerequisite(s) BAS 301 or by permission. 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 publicly traded and privately held.

ACCT 310 - Accounting Principles for Managers

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) Prerequisite(s) ACCT& 202 or permission. 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.

ACCT 402 - Audit & Fraud

5 Unit(s) Prerequisite(s) ACCT& 202 or by permission. This course is designed to teach the audit environment of professional financial accounting and reporting as it applies to fraud and internal controls.

ACCT 403 - Federal Tax Compliance and Planning

5 Unit(s) Prerequisite(s) ACCT& 202 or instructor permission. 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.

ACCT 404 - Data Analytics for Accounting

5 Unit(s) Prerequisite(s) ACCT& 201, BTEC 214 or instructor permission. 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.

ADULT BASIC EDUCATION

ABE 001 - Orientation

1 to 5 Unit(s) Prerequisite(s) Placement testing or interview. Instruction in basic skills for the adult who is unable to read, write, and compute sufficiently to meet the requirements of adult life. Emphasis is placed on practical application of basic skills to consumer economics issues in daily living. Special course sections are available for students who are developmentally disabled or have severe learning disabilities.

ABE 018 - ABE Integrated Level 1

1 to 15 Unit(s) Prerequisite(s) CASAS appraisal score 0-200. Designed for students to learn and/or review beginning grammar, punctuation, spelling, sentence structure, paragraph development, reading

comprehension and math skills in preparation for passing of the GED exam.

ABE 020 - Adult Basic Education Level I Reading

1 to 15 Unit(s) Prerequisite(s) CASAS Reading Score 165-203. Course is designed to improve analysis, synthesis, evaluation, and application of text in reading.

ABE 021 - Adult Basic Education Level 2 Reading

1 to 15 Unit(s) Prerequisite(s) CASAS Reading Score 204-216. Course is designed to improve analysis, synthesis, evaluation, and application of text in reading.

ABE 022 - Adult Basic Education Level 2 Writing

1 to 15 Unit(s) Prerequisite(s) CASAS Reading score 204 – 216. Course is designed to improve analysis, synthesis, evaluation, and application of text through writing.

ABE 023 - Adult Basic Education Level 2 Math

1 to 15 Unit(s) Prerequisite(s) CASAS Reading score 194 – 203. Course is designed to improve analysis, synthesis, evaluation, and application skills through math.

ABE 025 - Workplace Literacy 1

3-5 Unit(s) Prerequisite(s) CASAS Reading score of 223-238. 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.

ABE 028 - ABE Integrated Level 2

1 to 15 Unit(s) Prerequisite(s) CASAS appraisal score 201 to 210. Designed for students to learn and/or review beginning grammar, punctuation, spelling, sentence structure, paragraph development, reading comprehension and math skills in preparation for passing of the GED exam.

ABE 030 - Adult Basic Education Level 1 Writing
1 to 15 Unit(s) Prerequisite(s) **CASAS Reading Score 165-203. Course is designed to improve analysis, synthesis, evaluation, and application of text through writing.**

ABE 031 - Adult Basic Education Level 3 Reading

1 to 15 Unit(s) Prerequisite(s) CASAS Reading score 217 – 227. Course is designed to improve analysis, synthesis, evaluation, and application of text in reading.

ABE 032A - ABE II Level 2 Writing

1 to 5 Unit(s) Prerequisite(s) CASAS and/or TABE testing. Class participants will build basic writing skills as a preparation for GED testing, more advanced writing classes, or family and work related goals. Emphasis is placed on identifying personal goals in writing, composing a variety of sentences and paragraphs, and applying these skills to life situations.

ABE 32B - Adult Basic Education Level 3 Writing

1 to 15 Unit(s) Prerequisite(s) CASAS Reading score 217 – 227. Course is designed to improve analysis, synthesis, evaluation, and application of text through writing.

ABE 033 - Adult Basic Education Level 3 Math

1 to 15 Unit(s) Prerequisite(s) CASAS Reading score 204 – 214. Course is designed to improve analysis, synthesis, evaluation, and application skills through math.

ABE 035 - Workplace Literacy 2

3-5 Unit(s) Prerequisite(s) CASAS Reading Score 239-248. 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.

ABE 036 - ABE Level 2 Writing

1 Unit(s) Prerequisite(s) ABE 022 or placement score between 4.0 and 6.9 on TABE. This course is designed to meet the needs of adults whose English skills are between the fourth and seventh grade level.

Assessment will determine each student's starting level. This course is not designed to be completed within one quarter's time span. Students will work only in those areas where they need assistance. Washington State Core Competencies including practical living applications will be emphasized.

ABE 038 - ABE Integrated Level 3

1 to 15 Unit(s) Prerequisite(s) CASAS appraisal score 211 to 220. Designed for students to learn and/or review intermediate grammar, punctuation, spelling, sentence structure, paragraph development, reading comprehension and math skills in preparation for passing of the GED exam.

ABE 039 - Capstone

1 to 5 Unit(s) Prerequisite(s) CASAS Math Score 178-193. Students will be ready to enter college or the workforce after exploring areas of professional development, resources, and college programs. Students will assess their personal strengths and apply them to college or an occupational environment.

ABE 040 - ABE Level 1 Math

1 to 15 Unit(s) Prerequisite(s) CASAS Math Score 178-193. Course is designed to improve analysis, synthesis, evaluation, and application skills through math.

ABE 041 - Adult Basic Education Level 4 Reading

1 to 15 Unit(s) Prerequisite(s) CASAS Reading score 228 – 238. Course is designed to improve analysis, synthesis, evaluation, and application of text in reading.

ABE 042 - Adult Basic Education Level 4 Writing

1 to 15 Unit(s) Prerequisite(s) CASAS Reading score 228 – 238. Course is designed to improve analysis, synthesis, evaluation, and application of text through writing.

ABE 043 - Adult Basic Education Level 4 Math

1 to 15 Unit(s) Prerequisite(s) CASAS Reading score 215 – 225. Course is designed to improve analysis, synthesis, evaluation, and application skills through math.

ABE 045 - Workplace Literacy 3

3-5 Unit(s) Prerequisite(s) CASAS Reading score of 249 or higher. 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.

ABE 046 - Written and Oral Communication

1 to 5 Unit(s) Prerequisite(s) CASAS minimum score 210. Class participants enhance written and oral communication skills through the introduction of computer skill development and introductory communication skills for the workplace.

ABE 048 - ABE Integrated Level 4

1 to 15 Unit(s) Prerequisite(s) CASAS appraisal score 221 to 235. Designed for students to learn and/or review advanced grammar, punctuation, spelling, sentence structure, paragraph development, reading comprehension and math skills in preparation for the GED exam.

ABE 051 - Adult Basic Education Level 5 Reading

1 to 15 Unit(s) Prerequisite(s) CASAS Reading score 239 – 248. Course is designed to improve analysis, synthesis, evaluation, and application of text in reading.

ABE 052 - Adult Basic Education Level 5 Writing

1 to 15 Unit(s) Prerequisite(s) CASAS Reading score 239 – 248. Course is designed to improve analysis, synthesis, evaluation, and application of text through writing.

ABE 053 - Adult Basic Education Level 5 Math

1 to 15 Unit(s) Prerequisite(s) CASAS Reading score 226 – 235. Course is designed to improve analysis, synthesis, evaluation, and application skills through math.

ABE 055 - GED Fast-Track Lab 1

1 to 15 Unit(s) Prerequisite(s) Reading CASAS score 239+ and/or Math CASAS score 226+. The

GED Fast-Track program is designed to maximize the opportunity for students to pass some or all GED tests.

ABE 056 - GED Fast-Track Lab 2

1 to 15 Unit(s) Prerequisite(s) Reading CASAS score 239+ and/or Math CASAS score 226+. The GED Fast-Track program is designed to maximize the opportunity for students to pass some or all GED tests.

ABE 057 - GED Fast-Track Lab 3

1 to 15 Unit(s) Prerequisite(s) Reading CASAS score 239+ and/or Math CASAS score 226+. The GED Fast-Track program is designed to maximize the opportunity for students to pass some or all GED tests.

ABE 058 - ABE Integrated Level 5

1 to 15 Unit(s) Prerequisite(s) CASAS appraisal score 236 to 245. Designed for students to learn and/or review advanced grammar, punctuation, spelling, sentence structure, paragraph development, reading comprehension and math skills in preparation for the GED exam.

ABE 060 - Key Skills for Success

1 to 10 Unit(s) Prerequisite(s) CASAS testing. This course will provide students with targeted skills in areas that will ease their transition into academic and vocational courses or into employment and training. Targeted skills include coursework that addresses personal management, interpersonal communication, career information, college resources, computer basics and help for success within vocational content areas. The instruction in these areas is pre-academic or pre-vocational with the purpose of creating a bridge for students to traditional college courses and services.

ABE 061 - Adult Basic Education Level 6 Reading

1 to 15 Unit(s) Prerequisite(s) CASAS score of 246+. Students will study Level 6 reading competencies mandated by the Washington State Basic Skills Competency Indicators and CASAS assessment in lab, lecture, or lecture/lab setting.

ABE 062 - Adult Basic Education Level 6 Writing

1 to 15 Unit(s) Prerequisite(s) CASAS Reading score 249 – 262. Course is designed to improve analysis, synthesis, evaluation, and application of text through writing.

ABE 063 - Adult Basic Education Level 6 Math

1 to 15 Unit(s) Prerequisite(s) CASAS Reading score 236 and above. Course is designed to improve analysis, synthesis, evaluation, and application skills through math.

ABE 065 - GED On-Track Lab 1

1 to 15 Unit(s) Prerequisite(s) Reading CASAS score 228-238 and/or Math CASAS score 215-225. The GED On-Track program is designed to maximize the opportunity for students to pass some or all GED tests.

ABE 066 - GED On-Track Lab 2

1 to 15 Unit(s) Prerequisite(s) Reading CASAS score 228-238 and/or Math CASAS score 215-225. The GED On-Track program is designed to maximize the opportunity for students to pass some or all GED tests.

ABE 067 - GED On-Track Lab 3

1 to 15 Unit(s) Prerequisite(s) Reading CASAS score 228-238 and/or Math CASAS score 215-225. The GED On-Track program is designed to maximize the opportunity for students to pass some or all GED tests.

ABE 068 - ABE Integrated Level 6

1 to 15 Unit(s) Prerequisite(s) ABE 058, completion of 3 GED tests or CASAS 246-255. Designed for students to learn and/or review advanced grammar, punctuation, spelling, sentence structure, paragraph development, reading comprehension and math skills in preparation for the GED exam.

ABE 071 - Aural/Written Lang 3

1 to 10 Unit(s) Prerequisite(s) Valid CASAS scores. In this Level 3 Aural/Written Language course, students will develop speaking, grammar, and composition skills needed to succeed in subsequent liberal arts and technical/occupational courses.

ABE 074 - Language Comprehension 3

1 to 10 Unit(s) Prerequisite(s) Valid CASAS scores. In this Level 3 Language Comprehension course, students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses.

ABE 076 - Language Comprehension 4

1 to 10 Unit(s) Prerequisite(s) Valid CASAS scores. In this Level 4 Language Comprehension course, students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses.

ABE 085 - Contemporary World Problems

1 to 5 Unit(s) Designed to improve analysis, synthesis, evaluation, and application of text in reading, writing, and thinking within the context of contemporary world problems.

ABE 086 - Pacific NW History

1 to 5 Unit(s) Designed to improve analysis, synthesis, evaluation, and application of text in reading, writing, and thinking within the context of the U.S. and Northwest history.

ABE 087 - US Government & Civics

1 to 5 Unit(s) Designed to improve analysis, synthesis, evaluation, and application of text in reading, writing, and thinking within the context of U.S. Civics.

ABE 088 - US History

1 to 5 Unit(s) Designed to improve analysis, synthesis, evaluation, and application of text in reading, writing, and thinking within the context of U.S. and Northwest history.

ABE 089 - Health and Nutrition

1 to 5 Unit(s) A review of nutrition and a healthy diet to enhance one's overall health.

ABE 090 - Health and Exercise

1 to 5 Unit(s) A review of nutrition and exercise to enhance one's overall health.

ABE 092 - Critical Reading/Writing

1 to 5 Unit(s) Course is designed to improve analysis, synthesis, evaluation, and application of text in reading, writing, and thinking.

ABE 093 - Fine Arts

1 to 5 Unit(s) Course is designed to improve analysis, synthesis, evaluation, and application of text in reading, writing, and thinking through exploration of the arts.

ABE 094 - Science Literacy

1 to 5 Unit(s) Course is designed to improve analysis, synthesis, evaluation, and application of text reading, writing, and thinking through exploration of the general fields in science.

ABE 095 - Occupational Education

1 to 5 Unit(s) Course is designed to improve analysis, synthesis, evaluation, and application of text in reading, writing, and thinking through exploration and implementation of career choices.

ABE 096 - Science Lit Laboratory

1 to 5 Unit(s) Course is designed to improve analysis, synthesis, evaluation, and application of scientific material/procedure through reading, writing, and exploration- using scientific methodology and evaluation of data.

AMERICAN SIGN LANGUAGE

ASL& 121 - Am Sign Language I (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

ASL& 122 - Am Sign Language II (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** A continuation of ASL 121, with emphasis on developing fluency in American Sign Language.

ASL& 123 - Am Sign Language III (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

ASL& 221 - American Sign Language IV

5 Unit(s) Prerequisite(s) ASL& 123 or instructor permission. 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.

ANTHROPOLOGY

ANTH 225 - Race & Ethnicity (D) (SS)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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.

ANTH 235 - Myth, Ritual, and Magic (D) (SS)

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.

ANTH 260 - Latin America Field Trip I (D)

5 Unit(s) Prerequisite(s) Instructor permission; **Distribution Requirement(s):** Diversity; **ICRC Approved Elective.** 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.

ANTH 261 - Latin America Field Trip II (D)

5 Unit(s) Prerequisite(s) Instructor permission; **Distribution Requirement(s):** Diversity; **ICRC Approved Elective.** 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.

ANTH 262 - Latin America Field Trip III (D)

5 Unit(s) Prerequisite(s) Instructor permission; **Distribution Requirement(s):** Diversity; **ICRC Approved Elective.** 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.

ANTH 263 - Latin America Field Trip IV (D)

5 Unit(s) Prerequisite(s) Instructor permission; **Distribution Requirement(s):** Diversity; **ICRC Approved Elective.** 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.

ANTH 275 - Ethnographic Survey of Taiwan (D) (SS)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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.

ANTH& 100 - Survey of Anthropology (D) (SS)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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.

ANTH& 204 - Archaeology (SS)

5 Unit(s) Distribution Requirement(s): Social Science; **ICRC Approved Elective.** 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.

ANTH& 205 - Biological Anthropology (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** Exploration of human biology, evolution, paleontology, taxonomy, primatology, genetics and human variation. A student

cannot receive credit for both ANTH& 205 and ANTH& 215.

ANTH& 206 - Cultural Anthropology (D) (SS)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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.

ANTH& 210 - Indians of North America (D) (SS)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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.

ANTH& 215 - Bioanthropology w/Lab (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** 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.

ANTH& 236 - Introduction to Forensic Anthropology (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** Students will explore forensic anthropology method and theory, forensic taphonomy theory and practice, research methods, and the processing, analysis, and identification of human remains.

ART

ART& 100 - Art Appreciation (H)(D)

5 Unit(s) Distribution Requirement(s): Humanities, Diversity; **ICRC Approved Elective.** 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.

ART 102 - Drawing I (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

ART 103 - Drawing II

5 Unit(s) Prerequisite(s) ART 102 or instructor permission; **ICRC Approved Elective.** 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.

ART 104 - Drawing III

5 Unit(s) Prerequisite(s) ART 102, 103 or instructor permission. 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.

ART 106 - Printmaking I (H)

5 Unit(s) Distribution Requirement(s): Humanities. 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.

ART 110 - 2D Design (H)

5 Unit(s) Distribution Requirement(s): Humanities. 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.

ART 111 - 3D Design (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

ART 112 - Color Theory (H)

5 Unit(s) Distribution Requirement(s): Humanities. 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.

ART 130 - Computer Graphics (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

ART 135 - Graphic Design Layout (H)

5 Unit(s) Prerequisite(s) ART 130 or instructor permission; **Distribution Requirement(s):** Humanities. Problem solving in basic type and graphic design. A sequence of studio projects demonstrate students' ability to create, design and prepare art for reproduction. Lab fee $50.

ART 136 - Graphic Design II

5 Unit(s) Prerequisite(s) ART 135 or instructor permission. Continued problem solving in basic graphic design. A sequence of studio projects demonstrates student's ability to create, design and prepare art for reproduction. Lectures explore graphic design as an art form and as a business. Lab fee $26.09.

ART 151 - Typography

5 Unit(s) Prerequisite(s) ART 110 or permission of instructor. This course covers the history of type, designing with type, reproduction of type. Type is the foundation for graphic design. Students will apply knowledge gained in a series of studio projects. Lab fee $26.09.

ART 160 - Introduction to Fibers (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** An introduction to fiber art history and techniques with an emphasis on traditional, hand-manipulated processes such as basketry, felting, dyeing and simple loom work. Lab fee $48.29.

ART 174 - Digital Photography (H)

5 Unit(s) Prerequisite(s) Basic Computer Experience; **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** 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.

ART 190 - Cooperative Work Experience

1 to 12 Unit(s) Prerequisite(s) Instructor permission. 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. Attainment of learning objectives and development of positive work habits are emphasized.

ART 200 - Art History: Ancient (D) (H)

5 Unit(s) Distribution Requirement(s): Humanities, Diversity; **ICRC Approved Elective.** 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.

ART 201 - Art History: 15th-17th C (D) (H)

5 Unit(s) Distribution Requirement(s): Humanities, Diversity; **ICRC Approved Elective.** 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.

ART 202 - Art History: 18th-20th C (D)(H)

5 Unit(s) Distribution Requirement(s): Humanities, Diversity; **ICRC Approved Elective.** 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.

ART 203 - History of American Art (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** A survey of American

painting, sculpture, and architecture from colonial times to the present.

ART 210 - Painting (AE)

4 Unit(s) ICRC Approved Elective. A painting course which uses the nude human form as a point of departure for creating art. Students will experiment with a variety of materials and techniques. Lab fee $26.87.

ART 211 - Painting (AE)

4 Unit(s) ICRC Approved Elective. A continuation of ART 210 with increased emphasis on development of individual styles. Lab fee $26.87.

ART 220 - 3D Modeling & Animation (H)

5 Unit(s) Prerequisite(s) ART 130 with 2.0 or higher or instructor permission; **Distribution Requirement(s):** Humanities. An introduction to 3D modeling, sculpting, motion-graphics, material, rendering and animation. Provides students with knowledge and insights about animation and 3D processes. Lab fee $85.

ART 269 - Portfolio

3 Unit(s) Prerequisite(s) Instructor permission. Development and presentation of an individual portfolio which meets professional standards of excellence for job potential. Open to art and photography students.

ASTRONOMY

ASTR 125 - The Solar System (NS)

3 Unit(s) Prerequisite(s) Completion of MATH 098 with a 2.0 or above; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** Brief overview of the history and scope of astronomy, followed by a study of our own solar system including its sun, planets, moons, asteroids, and comets, and its origin. Some writing and computation is expected.

ASTR 126 - Stars and Galaxies (NS)

3 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** Introduction to the astronomy of stars and galaxies including nuclear processes, spectroscopy, stellar evolution, black holes, quasars, and an introduction to cosmology. Some writing and computation are expected.

ASTR 127 - The Solar System & The Universe (NS)

5 Unit(s) Prerequisite(s) One year HS algebra or MATH 098; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** Brief overview of the history and scope of astronomy, followed by a systematic study of the solar system, stars, galaxies, and the universe.

ASTR 128 - Observational Astronomy (NS)

2 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** Introduces the night sky as seen with the naked eye and a telescope. Lectures, labs, and observations provide astronomical concepts and hands on applications of these concepts. Transportation to Onalaska's Observatory is the student's responsibility.

BACHELOR OF APPLIED SCIENCE BEHAVIORAL HEALTH

BASBH 300 - Intro to Behavioral Healthcare

5 Unit(s) Prerequisite(s) Admittance in BASBH program or administrative and instructor permission. 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.

BASBH 320 - Social & Cultural Diversity BH

5 Unit(s) Prerequisite(s) Admission in BASBH program or administrative and instructor permission. 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.

BASBH 325 - Sociology of Health & Healthcare

5 Unit(s) Prerequisite(s) Admission in BASBH program. 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.

BASBH 330 - Ethics in Behavioral Healthcare

5 Unit(s) Prerequisite(s) Admittance in BASBH program or administrative and instructor permission. 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.

BASBH 340 - Professional Development

5 Unit(s) Prerequisite(s) admission in BASBH program. 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.

BASBH 350 - Neurobiology

5 Unit(s) Prerequisite(s) admittance in BASBH program or administrative and instructor permission. 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.

BASBH 400 - Case Management

5 Unit(s) Prerequisite(s) Admittance in BASBH program or administrative and instructor permission. 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.

BASBH 420 - Treatment of Mental Health Disorders

5 Unit(s) Prerequisite(s) Admittance in BASBH program or administrative and instructor permission. 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.

BASBH 430 - Trauma-Informed Care

5 Unit(s) Prerequisite(s) Admission in BASBH program or administrative and instructor permission. 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.

BASBH 440 - Family Counseling

5 Unit(s) Prerequisite(s) admission in BASBH program. 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.

BASBH 450 - Advanced Counseling Techniques

5 Unit(s) Prerequisite(s) Admittance in BASBH program or administrative and instructor permission. Survey of the major contemporary theories of counseling and their implications for practice. Topics include: historical background, key concepts, the counseling process, counseling techniques and procedures, multicultural perspectives, and evaluation of clients. Case studies are used to determine appropriate counseling interventions, practice a variety of techniques commonly used in counseling practice.

BASBH 455 - Behavioral Healthcare in Primary Care

5 Unit(s) Prerequisite(s) Admittance in BASBH program or administrative and instructor permission. 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.

BASBH 470 - Practicum in Management

5 Unit(s) Prerequisite(s) Completion of 45 units of BASBH program coursework; **corequisite(s):** Enrollment into BASBH program. Through supervised clinical experience, the student begins hands-on training in a behavioral health/human service field. Skills focused upon are: intake interviewing, case management, assessment of client/consumer needs and intervention strategies to meet those needs, individual and group counseling, outreach activities, recording procedures, appropriate use of community referral and networking resources, staff relations, and inter-agency communication. One hundred sixty hours of recorded clinical experience are required.

BASBH 471 - Capstone

5 Unit(s) Prerequisite(s) Completion of 45 units of BASBH program coursework. **Corequisite(s):** Enrollment into BASBH program. 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.

BACHELOR OF APPLIED SCIENCE APPLIED MANAGEMENT

MGMT 301 - Fundamentals of Management

5 Unit(s) Prerequisite(s) Admittance into BAS program or administrator approval. Explores organizational theory and introduces the principles and concepts of effective management including the functions of planning, organizing, leading, and controlling. How a manager's personality and leadership style impacts the workplace will be explored.

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) Prerequisite(s) ACCT 310 or accounting elective with a 2.0 or higher. 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.

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.

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) Prerequisite(s) Admittance into BAS program or administrator approval. 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.

MGMT 435 - Operations Management

5 Unit(s) Prerequisite(s) enrollment in BAS-AM or by permission. 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.

MGMT 440 - Quality Management Principles

5 Unit(s) Prerequisite(s) Admittance into BAS program or administrator approval; MGMT 350 and MGMT 430 or MGMT 435. Acquire familiarity and a working knowledge of the principles and practice of quality management, quality control and process improvement.

MGMT 445 - Warehouse Management

5 Unit(s) Prerequisite(s) Admittance into BAS program or administrator approval; MGMT 430 or MGMT 435. 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.

MGMT 460 - Internship Seminar

2 Unit(s) Prerequisite(s) Admittance into BAS program or administrator approval. Discuss topics relevant to the workplace, such as professional image, business etiquette, resolving conflict, problem-solving, diversity, preparing for and securing employment.

MGMT 470 - Management Internship

3 Unit(s) Prerequisite(s) Admittance into BAS program or administrator approval; or co-enrolled in MGMT 460 and 60 units of BAS courses. 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.

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.

BASIC EDUCATION FOR ADULTS

BEDA 032 - L3-WA Hist/Fine Arts/Sci

1 to 15 Unit(s) Prerequisite(s) CASAS score: 211-220. Integration of language arts and thinking skills through exploration of Washington State: civics, economics, art, literature, music, history, industry, geography, settlement, and migration. Will also examine unique technological and innovational advancements within the state.

BEDA 034 - L3-US Hist/Fine Arts/Sci

1 to 15 Unit(s) Prerequisite(s) CASAS score: 211-220. Integration of language arts and thinking skills through exploration of Washington State: civics, economics, art, literature, music, history, industry, geography, settlement, and migration. Will also examine unique technological and innovational advancements within the state.

BEDA 035 - L3-CWP/Fine Arts/Science

1 to 15 Unit(s) Prerequisite(s) CASAS score: 211-220. Integration of language arts and thinking skills through exploration of contemporary world problems; politics, economics, art, literature, music, history, industry, geography, colonization, re-settlement, and migration. Will also examine technological, environmental, and innovational issues.

BEDA 041 - HSE/Span/La 1 (L4)

1 to 5 Unit(s) Prerequisite(s) Valid CASAS pre- or post-test scores below 236. First of two courses for bilingual English/Spanish language instruction in Language Arts for students who wish to obtain a high school equivalency certificate.

BEDA 042 - L4-WA Hist/Fine Arts/Sci

1 to 15 Unit(s) Prerequisite(s) CASAS score: 221-235. Integration of language arts and thinking skills through exploration of Washington State: civics, economics, art, literature, music, history, industry, geography, settlement, and migration. Will also examine unique technological and innovational advancements within the state.

BEDA 043 - HSE/Span/Math 1 L-1

1 to 5 Unit(s) Prerequisite(s) Valid CASAS pre-or-post test scores below 225. First of two courses for bilingual English/Spanish language instruction in Mathematic Reasoning for students who wish to obtain a high school equivalency certificate.

BEDA 044 - L4-US Hist/Fine Arts/Sci

1 to 15 Unit(s) Prerequisite(s) CASAS score: 221-235. Integration of language arts and thinking skills through exploration of Washington State: civics, economics, art, literature, music, history, industry, geography, settlement, and migration. Will also examine unique technological and innovational advancements within the state.

BEDA 045 - L4-CWP/Fine Arts/Science

1 to 15 Unit(s) Prerequisite(s) CASAS score: 221-235. Integration of language arts and thinking skills through exploration of contemporary world problems; politics, economics, art, literature, music, history, industry, geography, colonization, re-settlement, and migration. Will also examine technological, environmental, and innovational issues.

BEDA 046 - HSE/Span/La 2

1 to 5 Unit(s) Prerequisite(s) Valid CASAS pre-or post-test scores of <235. Second of two Language Arts courses. Bilingual English/Spanish language instruction in Language Arts for students who wish to obtain a high school equivalency certificate.

BEDA 047 - HSE/Span/Math 2 L-1

1 to 5 Unit(s) Prerequisite(s) Valid CASAS pre-or-post test scores below 225. Second of two courses for bilingual English/Spanish language instruction in Mathematic Reasoning for students who wish to obtain a high school equivalency certificate.

BEDA 048 - HSE/Span/Sci

1 to 5 Unit(s) Prerequisite(s) Valid CASAS pre- or post-test scores <238 in Reading and <235 in Math. Bilingual English/Spanish language instruction in Science for students who wish to obtain a high school equivalency certificate.

BEDA 051 - HSE/Span/La1 (L5)

1 to 5 Unit(s) Prerequisite(s) Valid CASAS pre- or post-test with scores between 236 and 245. First of two courses. Bilingual English/Spanish language instruction in Language Arts for students who wish to obtain a high school equivalency certificate.

BEDA 052 - L5-WA Hist/Fine Arts/Sci

1 to 15 Unit(s) Prerequisite(s) CASAS score: 236-245. Integration of language arts and thinking skills through exploration of Washington State: civics, economics, art, literature, music, history, industry, geography, settlement, and migration. Will also examine unique technological and innovational advancements within the state.

BEDA 053 - HSE/Span/Math 1 L-2

1 to 5 Unit(s) Prerequisite(s) Valid CASAS pre-or-post test scores between 226-235. First of two courses for bilingual English/Spanish language instruction in Mathematic Reasoning for students who wish to obtain a high school equivalency certificate.

BEDA 054 - L5-US Hist/Fine Arts/Sci

1 to 15 Unit(s) Prerequisite(s) CASAS score: 236-245. Integration of language arts and thinking skills through exploration of United States history: civics, economics, art, literature, music, history, industry,

geography, settlement, and migration. Will also examine unique technological and innovational advancements within America.

BEDA 055 - L5-CWP/Fine Arts/Science

1 to 15 Unit(s) Prerequisite(s) CASAS score: 236-245. Integration of language arts and thinking skills through exploration of contemporary world problems; politics, economics, art, literature, music, history, industry, geography, colonization, re-settlement, and migration. Will also examine technological, environmental, and innovational issues.

BEDA 056 - HSE/Span/La 2

1 to 5 Unit(s) Prerequisite(s) Valid CASAS pre-or post-test scores between 236 and 245. Second of two Language Arts courses. Bilingual English/Spanish language instruction in Language Arts for students who wish to obtain a high school equivalency certificate.

BEDA 057 - HSE/Span/Math 2 L-2

1 to 5 Unit(s) Prerequisite(s) Valid CASAS pre-or-post test scores between 226-235. Second of two courses for bilingual English/Spanish language instruction in Mathematic Reasoning for students who wish to obtain a high school equivalency certificate.

BEDA 061 - HSE/Span/La1 (L6)

1 to 5 Unit(s) Prerequisite(s) Valid CASAS pre- or post-test scores between 246 and 255. First of two courses. Bilingual English/Spanish language instruction in Language Arts for students who wish to obtain a high school equivalency certificate.

BEDA 062 - L6-WA Hist/Fine Arts/Sci

1 to 15 Unit(s) Prerequisite(s) CASAS score: 246-255. Integration of language arts and thinking skills through exploration of Washington State: civics, economics, art, literature, music, history, industry, geography, settlement, and migration. Will also examine unique technological and innovational advancements within the state.

BEDA 063 - HSE/Span/Math 1 L-3

1 to 5 Unit(s) Prerequisite(s) Valid CASAS pre-or-post test scores above 236. First of two courses for bilingual English/Spanish language instruction in Mathematic Reasoning for students who wish to obtain a high school equivalency certificate.

BEDA 064 - L6-US Hist/Fine Arts/Sci

1 to 15 Unit(s) Prerequisite(s) CASAS score 246-255. Integration of language arts and thinking skills through exploration of United States history: civics, economics, art, literature, music, history, industry, geography, settlement, and migration. Will also examine unique technological and innovational advancements within America.

BEDA 065 - L6-CWP/Fine Arts/Science

1 to 15 Unit(s) Prerequisite(s) CASAS score 246-255. Integration of language arts and thinking skills through exploration of contemporary world problems; politics, economics, art, literature, music, history, industry, geography, colonization, re-settlement, and migration. Will also examine technological, environmental, and innovational issues.

BEDA 066 - HSE/Span/LA 2

1 to 5 Unit(s) Prerequisite(s) Valid CASAS pre-or post-test scores between 246 and 255. Second of two Language Arts courses. Bilingual English/Spanish language instruction in Language Arts for students who wish to obtain a high school equivalency certificate.

BEDA 067 - HSE/Span/Math 2 L-3

1 to 5 Unit(s) Prerequisite(s) Valid CASAS pre-or-post test scores above 236. Second of two courses for bilingual English/Spanish language instruction in Mathematic Reasoning for students who wish to obtain a high school equivalency certificate.

BEDA 099 - I-BEST Support

1 to 20 Unit(s) Prerequisite(s) Valid CASAS score of 211-256. BEdA support course for students who are currently working or preparing to work in a specific job area and who are enrolled in an I-BEST program.

BIOLOGY

BIOL& 160 - General Biology w/ Lab (NS)
5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** 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.

BIOL& 170 - Human Biology (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** 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.

BIOL 172 - Human Biology Lab (NS)

1 Unit(s) Corequisite(s): BIOL& 170 or instructor permission; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** Overview of the major visual anatomy of humans including tissues, organs, and ten of the organ systems (integumentary, skeletal, nervous, sensory, endocrine, cardiovascular, respiratory, digestive, urinary, and reproductive). Lab fee $18.46.

BIOL& 175 - Human Biology w/Lab (NS)

5 Unit(s) Distribution Requirement(s): Natural Science. 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.

BIOL 180 - Regional Biodiversity (AE)

5 Unit(s) Prerequisite(s) Instructor permission; **ICRC Approved Elective.** Explore the biological diversity of a region. Identify the dominant organisms, describe their interactions with their physical, chemical, and biological environments. Focus on field trips.

BIOL 190 - Cooperative Work Experience

1 to 5 Unit(s) Prerequisite(s) Work Experience Seminar (BTEC 191-194) is required of Co-op students. Instructor permission required. **ICRC Approved Elective.** Allows students to apply classroom learning to on-the-job settings. Credit for new and continued learning in the work environment. 60-360 hours on-on-job per quarter.

BIOL& 221 - Majors Ecology/Evolution (NS)

5 Unit(s) Prerequisite(s) HS biology or BIOL& 160 and MATH 098 or equivalent; **Distribution Requirement(s):** Natural Science. 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.

BIOL& 222 - Majors Cell/Molecular (NS)

5 Unit(s) Prerequisite(s) HS biology and chemistry or BIOL& 160; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** 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).

BIOL& 223 - Majors Organismal Physiology (NS)

5 Unit(s) Prerequisite(s) BIOL& 221 or 222 or instructor permission; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** Plant and animal comparative anatomy and physiology. Final course in a three-quarter series (BIOL& 221, 222, and 223). Lab fee $20.96.

BIOL& 241 - Human Anatomy and Physiology 1 (NS)

5 Unit(s) 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.** 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.

BIOL& 242 - Human Anatomy and Physiology 2 (NS)

5 Unit(s) Prerequisite(s) BIOL& 241 with a 2.0 grade or better or instructor permission; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** 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.

BIOL 243 - Adv Topics Human A & P (NS)

5 Unit(s) Prerequisite(s) BIOL& 242 or instructor permission; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** Investigate the inheritance of human characteristics and the regulation of gene expression. Trace the development of major organ systems in utero and fetal development. Trace the physiological and anatomical transformations in older individuals. Lab fee $18.46.

BIOL 250 - Introduction to Marine Biology (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** Introduction to physical and chemical factors affecting marine organisms: the various marine habitats, the animals and plants which inhabit them, and human exploitation of marine resources. Field trips to local marine habitats. Lab fee $26.49.

BIOL& 260 - Microbiology (NS)

5 Unit(s) Prerequisite(s) BIOL& 160, BIOL& 170, or BIOL& 175; and CHEM& 121; or instructor permission; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** Introductory microbiology focused on human health covering eukaryotes, prokaryotes, and viruses. Includes laboratory applications of lecture concepts. Lab fee $36.40.

BIOL 270 - Research in Biology (AE)

1 to 12 Unit(s) Prerequisite(s) Instructor permission; **ICRC Approved Elective.** 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.

BIOL 360 - Life Science Concepts (NS)

5 Unit(s) Prerequisite(s) Five credits of lower division Natural Science; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** Fundamentals of structure and function from subcellular to organismal levels. Sources of variation in traits and inheritance. Ecological and ecosystem dynamics. Evolution, natural selection, and adaptation. BAS-TE students will develop grade-appropriate lesson plans/activities. Lab fee $20.

BOTANY

BOTA 110 - Survey of Botany (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** 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.

BOTA 113 - Plant Identification & Classification (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** 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.

BOTA 150 - Dendrology (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** 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.

BUILDING MAINTENANCE TECHNOLOGY

BMT 120 - Interior/Exterior Repair (CCCC)

3 Unit(s) Basic interior and exterior repair and maintenance techniques used in the building maintenance trades. Students will learn roofing and door installation, painting techniques, sheetrock techniques, and other finishing techniques used in the building industry.

BMT 130 - Plumbing (CCCC)

4 Unit(s) This course is designed to teach students basic plumbing techniques used in the building maintenance trades. These techniques include drain clearing, underground sprinkler systems, and temporary repair methods.

BMT 140 - Electrical (CCCC)

4 Unit(s) This class teaches students basic electrical principles and techniques used in the building maintenance trades. Students will learn circuit application, service installation, and be able to identify electrical issues.

BMT 150 - HVAC (CCCC)

2 Unit(s) Students will learn basic heating, ventilation, and air conditioning techniques used in the building maintenance trades and will be able to identify and explain the different systems and how each system works.

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) ICRC Approved Elective. 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.

BUS 110 - Introversion in the Workplace

5 Unit(s) Exploration of the nature of introverts in the workplace and how they can effectively manage themselves and others.

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 $15.00.

BUS 190 - Cooperative Work Experience

1 to 12 Unit(s) Corequisite(s): BTEC 191. Students apply classroom learning to on-the-job settings. Credit earned for new and continued learning taking place in the work environment. Co-requisite; BTEC 191

BUS& 201 - Business Law (AE)

5 Unit(s) ICRC Approved Elective. 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.

BUS 203 - Human Resource Management

5 Unit(s) Prerequisite(s) BUS& 101, college level reading and writing. Introduction to fundamental concepts of human relations management. This course will focus on recruiting, employee selection and training, employee performance and compensation, and employee laws and labor.

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) Prerequisite(s) ACCT& 201 or ACCT 200 or permission. 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.

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) Prerequisite(s) ACCT& 201, 202. 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.

BUS 230 - Data Dashboards

5 Unit(s) Prerequisite(s) BTEC 214. Turn data into dashboards and reports focused on identifying business goals, trends and patterns that guide business decisions. Create interactive dashboards using Excel tools such as pivot tables, pivot charts, slicers and advanced formulas.

BUS 232 - Entrepreneurship

5 Unit(s) Prerequisite(s) BUS& 101 and ACCT 200, or instructor permission. 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.

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) Prerequisite(s) BUS& 101 or approval by instructor; **Corequisite(s):** BTEC 120 or MATH 097 or higher. 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.

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.

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) Prerequisite(s) I T 117 Intro to Windows OS. 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.

BTEC 102 - Intermediate Keyboarding

3 Unit(s) Prerequisite(s) recommended I T 117 and BTEC 101 or 30+ net wpm. 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. Lab fee $59.

BTEC 107 - Electronic Medical Records

4 Unit(s) Provides an overview of medical records as legal documents. Topics include the make-up of an electronic medical record, charting methods, patient scheduling, privacy, and administrative management.

BTEC 110 - Business English

5 Unit(s) Prerequisite(s) ENGL 098 with 2.0 or higher; placement of ENGL 099 or higher. This course is intended to provide a basis for producing office documents. Topics include editing skills including grammar, punctuation, proofreading, and spelling. Business English is a basis for medical documentation, business communications, and office procedures.

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.

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 Exp

1 to 5 Unit(s) Prerequisite(s) Instructor permission. **Corequisite(s):** Enrollment in a Work Experience Seminar is required of Co-op students. You may take the Work Experience Seminar before or in the same quarter as the Co-op course. 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 Faculty Coordinator, the student employee, and the worksite supervisor identify the learning objectives. 33-396 hours, on-the-job per quarter. Instructor's permission is required.

BTEC 191 - Work Experience Seminar

1 Unit(s) Prerequisite(s) Must be taken prior to or concurrently with Cooperative Work Experience. Discussion topics include professional image, business etiquette, sexual harassment, resolving conflict, and diversity in the workplace. Must be taken prior to or concurrently with Cooperative Work Experience.

BTEC 203 - Advanced Keyboarding

3 Unit(s) Prerequisite(s) BTEC 102 or 45+ nwpm. Achieve typing mastery. Perfect touch typing, embrace ergonomics, and craft polished business documents in Microsoft Word. Thrive in any professional context with precision, speed, and finesse. Aim for industry-standard speed and accuracy. Lab fee $59.

BTEC 205 - Outlook

1 Unit(s) Prerequisite(s) IT 117, typing speed of 35 WPM or instructor permission. 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.

BTEC 210 - Word 1

5 Unit(s) Prerequisite(s) IT 117, typing speed of 35 wpm, instructor permission. 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.

BTEC 212 - Access

5 Unit(s) Prerequisite(s) Keyboard speed of 30wpm, BTEC 210, BTEC 214, OR Instructor permission. An introduction to Microsoft Access. Students will learn basic concepts of database software and be able to integrate Access with Word and Excel.

BTEC 214 - Excel 1

5 Unit(s) Prerequisite(s) IT 117, typing speed of 35wpm, instructor permission. 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.

BTEC 218 - Desktop Publishing

4 Unit(s) Prerequisite(s) IT 117, BTEC 210, typing speed of 35 WPM or instructor permission. This course covers terminology, concepts, and tasks related to desktop publishing. Students will plan, create, and design publications for business and personal use.

BTEC 219 - Word II

5 Unit(s) Prerequisite(s) BTEC 210 Word I. The course covers advanced Microsoft Word features that allow users to develop more detailed, professional documents such as reports with navigable table of contents and indices, integrated data and charts, and fill-in forms. Students will learn to customize various tools to be more efficient in the workplace.

BTEC 220 - Ten-Key Calculator

1 Unit(s) Prerequisite(s) Business Math suggested. Touch control of the 10-key calculator with emphasis on speed and accuracy. Complete business calculations using the function keys. Lab fee $7.15.

BTEC 221 - Business Communications

5 Unit(s) Prerequisite(s) Placement into ENGL& 101 or a 2.0 in ENGL 099 or WRT 105. 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.

BTEC 222 - Microsoft Office-PowerPoint Module

1 Unit(s) Prerequisite(s) IT 117, typing speed of 35 wpm or instructor permission. Class covers PowerPoint in depth: presentations, formatting, graphics, charts, design, and appropriate visual elements for professional presentations.

BTEC 224 - General Office Procedures

5 Unit(s) Prerequisite(s) BTEC 110, BTEC 210, BTEC 233, BTEC 214. 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.

BTEC 233 - Records Management

5 Unit(s) Principles and procedures of effective records management for physical and electronic systems. Practice in indexing, coding, and filing for alphabetic, numeric, subject, and geographic systems. Introduction to laws, regulations, security risks and e-discovery.

BTEC 255 - Insurance and Billing

5 Unit(s) Prerequisite(s) BTEC 260. Introduction to major insurance program information and federal healthcare legislation. Exploration of health insurance guidelines and the knowledge and skills required for billing.

BTEC 260 - Medical Terminology

4 Unit(s) Development of a medical vocabulary with emphasis on definition and spelling. Upon completion of this course students should be able to recognize spoken medical terms, analyze word parts for meaning, and understand basic medical terminology.

BTEC 261 - Medical Office Procedures

5 Unit(s) Prerequisite(s) BTEC 107, BTEC 110, BTEC 233, BTEC 260. Culminating course for Medical Office students. Topics cover the expected skills for successful employment in a medical setting, such as professional image, medical ethics and law, appointment scheduling, office finances, and telephone procedures.

BTEC 263 - Medical Documentation

4 Unit(s) Prerequisite(s) BTEC 260, BTEC 210, BTEC 110. Medical documentation prepared through the transcription of chart notes, procedure notes, letters, and other medical documents using transcription or speech recognition files.

BTEC 266 - Medical Law and Ethics

3 Unit(s) Overview of medical law/ethics for healthcare professionals in various settings: billing/coding, transcription, phlebotomy, etc. Designed to explain ethical/legal obligations to the patient, employer, and health worker and clarify confidentiality requirements regarding patient records and history.

CHEMISTRY

CHEM& 110 - Chemical Concepts W/Lab (NS)

5 Unit(s) Prerequisite(s) MATH 96; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** 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.

CHEM& 121 - Introduction to Chemistry (NS)

5 Unit(s) Prerequisite(s) MATH 97 or MATH 98; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** 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.

CHEM& 131 - Introduction to Organic/Biochemistry (NS)

5 Unit(s) Prerequisite(s) CHEM& 121 with a 2.0 or better or instructor permission; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** 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.

CHEM& 139 - General Chemistry Preparation (NS)

5 Unit(s) Prerequisite(s) MATH 098 or instructor permission; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** 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.

CHEM 159 - Problem Solving in Chemistry

1 Unit(s) Corequisite(s): CHEM& 161; **ICRC Approved Elective.** 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.

CHEM& 161 - General Chemistry w/Lab I (NS)

6 Unit(s) Prerequisite(s) CHEM& 139 or CHEM& 121 (>2.0) and MATH 099 or equivalent or instructor permission; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** 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) Prerequisite(s) CHEM& 161 with a 2.0 or better or instructor permission; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** 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.

CHEM& 163 - General Chemistry w/Lab III (NS)

6 Unit(s) Prerequisite(s) CHEM& 162 with a 2.0 or better or instructor permission; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** 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.

CHEM& 261 - Organic Chemistry w/Lab I (NS)

6 Unit(s) Prerequisite(s) CHEM& 163 with 2.0 or greater or instructor permission; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** 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.

CHEM& 262 - Organic Chemistry w/Lab II (NS)

6 Unit(s) Prerequisite(s) CHEM& 261 with 2.0 or greater or instructor permission; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** Second course in the sequence. Topics covered include structure, nomenclature, reactions and properties of alkenes, alkynes, alcohols, eithers, and conjugated and aromatic systems. Spectroscopy topics include IR, NMR, and MS analysis, including structure elucidation. Lab fee $26.88.

CHEM& 263 - Organic Chemistry w/Lab III (NS)

6 Unit(s) Prerequisite(s) CHEM& 262 with 2.0 or greater or instructor permission; **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** 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.

CHEM 270 - Research in Chemistry (AE)

1 to 12 Unit(s) Prerequisite(s) Instructor permission; **ICRC Approved Elective.** 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.

CHINESE

CHIN& 121 - Chinese I (D) (H)
5 Unit(s) Distribution Requirement(s): Humanities, Diversity; **ICRC Approved Elective.** Learn the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture.

CHIN& 122 - Chinese II (H)

5 Unit(s) Prerequisite(s) CHIN& 121 or instructor permission; **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** Continued study of the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture.

CHIN& 123 - Chinese III (H)

5 Unit(s) Prerequisite(s) CHIN& 122 or instructor permission; **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** Continued study of the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture.

CHIN& 221 - Chinese IV (H)

5 Unit(s) Prerequisite(s) CHIN& 123 or instructor permission; **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** Continued study of the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture.

CHIN& 222 - Chinese V (H)

5 Unit(s) Prerequisite(s) CHIN& 221 or instructor permission; **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** Continued study of the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture.

CHIN& 223 - Chinese VI (H)

5 Unit(s) Prerequisite(s) CHIN& 222 or instructor permission; **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** Continued study of the fundamental skills of listening comprehension, speaking, reading and writing the Mandarin Chinese language. Develop an understanding and appreciation of the Chinese people and culture.

CHIN 270 - History & Culture of the Republic of China (D) (H)

5 Unit(s) Distribution Requirement(s): Humanities, Diversity; **ICRC Approved Elective.** One of three courses that comprise Centralia College's Study Abroad Program. Students will be introduced to the history and cultures of The Republic of China (Taiwan) by exploring the development of Taiwanese society and identity, as well as Taiwan's modern role in geopolitics, digital technologies and economics.

CIVICS

CIV 11 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post- tests of 190 and under. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 12 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post- tests of 190 and under. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 13 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post- tests of 190 and under. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 14 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post- tests of 190 and under. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 21 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests of 191 to 200. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 22 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests of 191 to 200. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 23 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests of 191 to 200. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 24 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests of 191 to 200. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 31 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests from 201 to 210. Students develop reading and comprehension skills focused on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 32 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests from 201 to 210. Students develop reading and comprehension skills focused on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 33 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests from 201 to 210. Students develop reading and comprehension skills focused on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 34 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests from 201 to 210. Students develop reading and comprehension skills focused on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 41 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests between 211 and 220. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 42 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests between 211 and 220. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 43 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests between 211 and 220. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 44 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests between 211 and 220. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 51 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests from 221-235. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 52 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests from 221-235. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 53 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests from 221-235. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 54 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests from 221-235. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 61 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests of 236 to 245. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 62 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests of 236 to 245. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 63 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests of 236 to 245. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

CIV 64 - Civics

1 to 3 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests of 236 to 245. Students develop reading and comprehension skills focusing on topics that will aid them in becoming better members of the community. Placement is based on CASAS reading scores.

COLLEGE & CAREER SUCCESS

COLL 100 - College & Career Success

3 Unit(s) Prepares students for college and career success through activities that enhance self-awareness an equip students with necessary skills and strategies. Students will learn to navigate college, value diversity, identify career goals, and develop essential skills in information literacy, critical thinking, effective communication, time management, and resource utilization and financial planning. Lab fee $15.

COMMERCIAL DRIVERS

CDL 100 - Commercial Truck Driving

12 Unit(s) 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. This course is designed to prepare students for Washington State tests necessary to

obtain a Commercial Driver License (A). Lab fee $3,350.

COMMUNICATION STUDIES

CMST& 102 - Introduction to Mass Media (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

CMST 104 - Racism, Sexism and the Media (D) (H)

3 Unit(s) Distribution Requirement(s): Humanities, Diversity; **ICRC Approved Elective.** Examine issues of race and gender in the media from both an historical and a current perspective.

CMST 110 - Social Media Communication (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

CMST 130 - Debate I (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** Students will learn to analyze, construct and deliver arguments on controversial topics using supportive evidence to respond to opposing viewpoints.

CMST& 220 - Public Speaking (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

CMST 240 - Advanced Public Speaking (H)

5 Unit(s) Prerequisite(s) CMST& 220 or instructor permission; **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** 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.

CMST 250 - Intercultural Communications (D) (H)

5 Unit(s) Distribution Requirement(s): Humanities, Diversity; **ICRC Approved Elective.** 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.

CMST 330 - Professional & Organizational Communication (H)

5 Unit(s) Prerequisite(s) Five credits of lower division Humanities; **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** 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.

COMMUNICATIONS

COMM 100 - Dragon NaturallySpeaking

2 Unit(s) Designed to assist students in the development of computer and English composition skills while using Dragon NaturallySpeaking (voice recognition) and text to speech software.

CTAP 120 - Construction Trades Math

3 Unit(s) This course will provide students with a solid foundation in mathematical principles needed for a variety of vocational trades.

CTAP 130 - Work Behavior & Safety

5 Unit(s) Provided instruction in health and safety needed for the trades. Topics included physical fitness, healthy eating habits, worksite assessment, identifying workplace hazards and hazard prevention and DOC safety training.

CTAP 140 - Tools and Blueprints

5 Unit(s) This course focuses on identification, maintenance and safe usage of tools and equipment in the trades.

CTAP 150 - Introduction to the Trades

5 Unit(s) This course will provide exposure to Masonry, Carpentry, Laborers, Plumbers and Pipefitters, Electricians, Ironworkers trades.

CTAP 160 - Capstone Project

2 Unit(s) In this capstone course, students will experience the link between theory and practicum through completing a relevant project.

COOPERATIVE WORK EXPERIENCE

COOP 190 - Cooperative Work Experience

1 to 12 Unit(s) Prerequisite(s) Instructor permission; **corequisite(s):** enrollment in a Work Experience Seminar is required of Co-op students. You may take the Work Experience Seminar before or in the same quarter as the Co-op course. 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 Faculty Coordinator, the student employee, and the worksite supervisor identify the learning objectives. 30-360 hours on-the-job per quarter. Instructor's permission is required.

CRIMINAL JUSTICE

CJ& 101 - Introduction to Criminal Justice (SS)

5 Unit(s) Distribution Requirement(s): Social Science Distribution. 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.

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) Prerequisite(s) CJ& 101 or instructor permission; **ICRC Approved Elective.** 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.

CJ& 105 - Introduction to Corrections (AE)

5 Unit(s) Prerequisite(s) CJ& 101 or instructor permission; **ICRC Approved Elective.** 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.

CJ& 106 - Juvenile Justice (D)(SS)

5 Unit(s) Distribution Requirement(s): Diversity Distribution, Social Science Distribution. 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.

CJ 107 - Criminal Procedures

5 Unit(s) Prerequisite(s) CJ& 101 or instructor permission. Examines state and federal laws of arrest, search and seizure, civil and criminal liability. The rules of evidence and courtroom proceedings are studied.

CJ 109 - Community Policing

5 Unit(s) Prerequisite(s) CJ& 101 or instructor permission. Focus on resolving community issues and concerns via Community Oriented Policing and Problem Solving (COPPS) skills and strategies.

CJ& 110 - Criminal Law (AE)

5 Unit(s) Prerequisite(s) CJ& 101 or instructor permission; **ICRC Approved Elective.** A broad survey of the common criminal laws and statutes of Washington and the other 49 United States.

CJ 111 - Criminal Justice Ethics

5 Unit(s) Prerequisite(s) CJ& 101 or instructor permission. Presents an in-depth analysis of the practical, theoretical, ethical and moral considerations found in the criminal justice system.

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) Prerequisite(s) CJ& 101 or instructor permission. Examines current issues, topics and trends in the criminal justice system. Explores the issues of racism and bigotry as related to criminal justice practitioners.

CJ 116 - Community Corrections

5 Unit(s) Prerequisite(s) CJ& 101 or instructor permission. Community corrections, alternative sentencing, probation and diversion concepts studied. Explores technology innovations pertaining to community supervision.

CJ 126 - Homicide

5 Unit(s) Prerequisite(s) CJ& 101 or instructor permission. Tactics, procedures, and forensic techniques of homicide investigation are examined. Various tools and processes systematically employed to identify, arrest, and convict perpetrators are studied.

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) Prerequisite(s) BTEC 191 (prior or concurrent) or instructor permission. 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.

CJ 204 - Reports, Forms and Affidavits

5 Unit(s) Investigative report writing including narratives, police reports, common forms, affidavits, and search warrants.

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) ICRC Approved Elective. 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.

DIESEL EQUIPMENT TECHNOLOGY

DET 100 - Shop Skills

7 Unit(s) Prerequisite(s) Placement for TMATH 116 or MATH 095 with 2.0 or higher. Theory and application of basic tools and practices as used in heavy equipment repair facilities.

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 110 - Mobile Electrical Systems I

7 Unit(s) Prerequisite(s) DET 100 or instructor permission. **Corequisite(s):** DET 130. The exploration and application of fundamental principles of direct current electrical systems found on mobile equipment. Lab fee $85.69.

DET 120 - Internal Combustion Engines I

7 Unit(s) Prerequisite(s) DET 110 or instructor permission. 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.

DET 125 - Power Transmission 1 Lab

7 Unit(s) Prerequisite(s) placement for TMATH116 or MATH 095 with 2.0 or higher. The theory and application of mechanical power transmitting devices and associated components as used in diesel powered equipment. Lab fee $65.69.

DET 130 - Mobile Hydraulic Systems

7 Unit(s) Prerequisite(s) DET 100 or instructor permission. **Corequisite(s):** DET 110. Students will be introduced to terminology, physical properties, and principles relating to mobile hydraulic equipment. Students will engage in practical exercises that will aid in the understanding of basic hydraulic systems. Lab fee $68.01

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 190 - Cooperative Work Experience

1 to 7 Unit(s) Corequisite(s): Cooperative Work Experience Seminar. 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. Positive work habits are emphasized.

DET 200 - Mobile Electrical Systems II

7 Unit(s) Prerequisite(s) DET 110 or instructor permission. Students will examine electrical components and electronic systems. This course will cover electronic control modules and advanced direct current troubleshooting. Lab fee $85.69.

DET 210 - Power Transmission II

7 Unit(s) Prerequisite(s) DET 125. The study of power shift and automatic transmissions as used in diesel powered equipment. Lab fee $85.69.

DET 220 - Internal Combustion Engines II

7 Unit(s) Prerequisite(s) DET 110 or instructor permission. This course will cover diesel engine analysis and testing for optimal performance and longevity. Students will perform live engine testing, troubleshooting, and repairs. Lab fee $85.69.

DET 225 - Heavy-Duty Chassis Systems

7 Unit(s) Prerequisite(s) Completion of 1st year diesel classes. The study and application of heavy duty chassis systems used in diesel powered equipment. Lab fee $68.01.

DET 230 - Practical Shop Application

7 Unit(s) The discussion and implementation of proper shop practices and repair procedures. Lab fee $104.01.

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 300 - Applied Management

5 Unit(s) Prerequisite(s) Enrollment in BAS-DT or instructor permission. Introduces the principles and concepts of effective management including human resource management, quality control, social responsibility, decision making, communication, conflict resolution and customer service.

DET 320 - Emissions Control

5 Unit(s) Prerequisite(s) Enrollment in BAS-DT or instructor permission. Course content will focus on the theory and application of diesel exhaust emissions reduction technology. Lab fee $75.

DET 325 - Material Science of Fluids

5 Unit(s) Prerequisite(s) Enrollment in BAS-DT or instructor permission. 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.

DET 335 - Regulatory Issues

5 Unit(s) Prerequisite(s) Enrollment in BAS-DT or instructor permission. 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.

DET 345 - Metalwork & Fabrication

5 Unit(s) Prerequisite(s) Enrollment in BAS-DT or instructor permission. Apply layout, blueprint, weld symbol interpretation, dimension conversations, welding, machine set-ups and fabrication skills to safely complete metal fabrication projects correctly.

DET 355 - Hybrid Drives Electric/Hydraulic

5 Unit(s) Prerequisite(s) Enrollment in BAS-DT or instructor permission. 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.

DET 365 - Diesel Internship

5 Unit(s) Prerequisite(s) Admittance into BAS program or administrator approval, or co-enrolled in MGMT 460 and 25 credits of BAS courses. **Corequisite(s):** Co-enrolled in MGMT 460 and 25 credits of BAS courses. 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.

DET 415 - Electrical III

5 Unit(s) Prerequisite(s) Enrollment in BAS-DT or instructor permission. Course content will focus on the theory and application of advanced electrical circuits, schematic reading, and proper troubleshooting techniques. Lab fee $75.

DET 430 - Shop/Fleet Management

5 Unit(s) Prerequisite(s) Enrollment in BAS-DT or instructor permission. 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, and budgeting. Lab fee $75.

DET 435 - Hydraulics II

5 Unit(s) Prerequisite(s) Enrollment in BAS-DT or instructor permission. The study and application of complex hydraulic systems with an emphasis on troubleshooting and system design. Lab fee $75.

DET 445 - Combustion Engine Fuels

5 Unit(s) Prerequisite(s) Enrollment in BAS-DT or instructor permission. 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.

DET 455 - Applied Failure Analysis

5 Unit(s) Prerequisite(s) Enrollment in BAS-DT or instructor permission. 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.

DET 465 - Power Generation Systems

5 Unit(s) Prerequisite(s) Enrollment in BAS-DT or instructor permission. 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.

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) ICRC Approved Elective. 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.

DRMA 103 - Set Design

3 Unit(s) ICRC Approved Elective. 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.

DRMA 105 - Theater History (H)

3 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** Survey of the major periods in Western drama through study of major representative plays and development of the physical theatre of those periods.

DRMA 106 - Introduction to Stagecraft (AE)

3 Unit(s) ICRC Approved Elective. 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. (Academic Elective)

DRMA 107 - Beginning Acting (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

DRMA 108 – Intermediate Acting (H)

5 Unit(s) Distribution Requirement(s): Humanities. Continuation of acting fundamentals with an emphasis on improvisational techniques and exercises, and advanced monologue and scene work. Students will be expected to attend two plays during the quarter at their own expense.

DRMA 110 - Stage Makeup (AE)

3 Unit(s) ICRC Approved Elective. Introduction to the types of theatrical makeup and the techniques of application. (Academic Elective) Lab fee $79.02.

DRMA 111 - Stage Lighting (AE)

3 Unit(s) ICRC Approved Elective. 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. (Academic Elective)

DRMA 115 - Dramatic Performance (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

DRMA 118 - Musical Theatre (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

DRMA 120 - Introduction to Playwriting (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

DRMA 130 - Directing (H)

5 Unit(s) Prerequisite(s) DRMA& 101, DRMA 107, DRMA 108; **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** 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.

DRMA 141 - Theater Speech (AE)

3 Unit(s) ICRC Approved Elective. 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. (Academic Elective)

DRMA 148 - Introduction to Dance (AE)

1 Unit(s) ICRC Approved Elective. 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.

DRMA 149 - Introduction to Movement for Theatre (AE)

1 Unit(s) ICRC Approved Elective. 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. (Academic Elective)

DRMA 150 - Introduction to Modern Dance (AE)

1 Unit(s) ICRC Approved Elective. 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. (Academic Elective)

DRMA 155 - Technical Production I

2 Unit(s) ICRC Approved Elective. This course is an introduction to the technical aspects and procedures specific to setting up and running live entertainment.

DRMA 201 - Advanced Acting (H)

5 Unit(s) Prerequisite(s) DRMA 108 or instructor permission; **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** 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.

DRMA 205 - Contemporary World Theatre (AE)

3 Unit(s) ICRC Approved Elective. 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. (Academic Elective)

DRMA 210 - Multicultural Theatre (D) (H)

5 Unit(s) Distribution Requirement(s): Humanities, Diversity; **ICRC Approved Elective.** 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.

DRMA 215 - Improvisational Theatre

3 Unit(s) ICRC Approved Elective. 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.

ECONOMICS

ECON& 201 - Microeconomics (SS)

5 Unit(s) Distribution Requirement(s): Social Science; **ICRC Approved Elective.** Microeconomics is the study of households and firms and how they interact in markets under varying degrees of competition.

ECON& 202 - Macroeconomics (SS)

5 Unit(s) Distribution Requirement(s): Social Science; **ICRC Approved Elective.** 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.

ECON 305 - Managerial Economics (SS)

5 Unit(s) Distribution Requirement(s): Social Science; **ICRC Approved Elective.** 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.

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) Prerequisite(s) Co-enrollment or previous enrollment in an ECE/EDUC course. **Distribution Requirement(s):** Social Science; **ICRC Approved Elective.** 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.

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) Prerequisite(s) Instructor permission. 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.

EDUC& 201 - Introduction to Education (AE)

3 Unit(s) ICRC Approved Elective. 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.

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

5 Unit(s) ICRC Approved Elective. 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.

EDUC 300 - Introduction SPED

3 to 5 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. This course provides an introduction to the terminology, identification, and issues when addressing the needs of diverse students with disabilities.

EDUC 315 - Teaching Science

5 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. 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: Admission in BAS-TE program or administrator approval

EDUC 320 - Social Emotional Teaching and Learning

5 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. 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.

EDUC 330 - Technology and Teaching

2 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. 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.

EDUC 335 - Teaching Art & Movement

3 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. 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.

EDUC 345 - Language Arts and Development

3 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. Examine the methods for teaching writing, reading, listening, and speaking strategies and skills, including vocabulary, grammar, usage, and language development.

EDUC 350 - Diversity in Students

3 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. 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.

EDUC 351 - Issues of Abuse

3 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. 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.

EDUC 355 - Emergent Reading

5 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. Explores reading, comprehension, and literacy as it pertains to beginning readers.

EDUC 360 - Assessment and Evaluation

6 Unit(s) Prerequisite(s) Admittance into BAS-TE program. 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.

EDUC 365 - Intermediate Reading

3 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. Explores reading, comprehension, and literacy as it pertains to intermediate readers.

EDUC 370 - Support: Child & Family

3 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. 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.

EDUC 380 - Typical & Atypical Child Development

5 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. 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.

EDUC 385 - SPED Assessment

3 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. This course provides potential special education teachers with knowledge and experience in assessment issues as they relate to students with disabilities.

EDUC 400 - Education and the Law

3 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. 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.

EDUC 410 - Exceptional Learners

5 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. 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.

EDUC 420 - Curriculum & Instruction

5 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. **Corequisite(s):** EDUC 481 Practicum 1. 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.

EDUC 421 - Classroom Management

6 Unit(s) Prerequisite(s) Admittance into BAS-TE program. 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.

EDUC 480 - SPED Seminar

1 Unit(s) Prerequisite(s) Admission in BAS-TE program or administrator approval. 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.

EDUC 482 - Practicum 2 (Field Experience Aligned to Assess/Evaluate)

2 Unit(s) Prerequisite(s) Admittance into BAS-TE program or administrator approval; EDUC 360. While participants spend 33 hours in the field, they will apply principles of sound formative and summative assessment using grade level expectations, best grading practices, technology platforms, and individual education plans as tools. Lab fee $73.19.

EDUC 483 - Practicum 3

2 Unit(s) Prerequisite(s) Admittance into BAS-TE program or administrator approval. **Corequisite(s):** EDUC 421 Classroom Management. Weekly classes 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 Classroom Management course. Lab fee $67.

EDUC 484 - Pre-Residency Clinical

2 Unit(s) Prerequisite(s) Admittance into BAS-TE program or administrator approval. 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.

EDUC 490 - Student Teaching SPED

10 Unit(s) Corequisite(s): EDUC 497 with a 2.0 or higher. 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.

EDUC 497 - Student Teaching Elem 1

10 Unit(s) Prerequisite(s) completion of 45 credits of upper division EDUC courses. 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 $73.19.

EDUC 498 - Student Teaching Elementary 2

10 Unit(s) Prerequisite(s) ENGL&102; 2.0 or higher in all prior EDUC courses. Supervised instructional experience to develop, implement, practice, and

evaluate theory and methods learned in BAS-TE program. Lab fee $67.

EDUCATION – EARLY CHILDHOOD

ECED& 100 - Child Care Basics

2 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 104 - Trauma Informed Care

2 Unit(s) Prerequisite(s) EQEL Year 1 or equivalent. This course is eligible for DCYF's Trauma Informed Care financial award to eligible providers through the Fair Start For Kids Act. 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.

ECED& 105 - Introduction Early Child Education (SS)

5 Unit(s) Distribution Requirement(s): Social Science. **ICRC Approved Elective.** 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.

ECED& 107 - Health/Safety/Nutrition

5 Unit(s) Introduction to implementation of equitable health, safety and nutrition standards for the growing child in group care. Develop skills necessary to keep children healthy, safe, report abuse and neglect, and connect families to 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& 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) Prerequisite(s) Must have completed at least 30 credits in ECE or have instructor permission. 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.

ELECTRONICS, ROBOTICS, AUTOMATION

ERA 101 - Electronics Assembly

5 Unit(s) Prerequisite(s) MATH 098, ENGL 099 or equivalents. 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).

ERA 117 - Adv AC/DC Electronics

4 Unit(s) Prerequisite(s) MEC 116 or ERA 116. 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.

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 $50.00.

ERA 170 - Solid State Devices

4 Unit(s) Prerequisite(s) ERA 115. 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.

ERA 212 - Digital Electronics

4 Unit(s) Prerequisite(s) MATH 115, ERA 115. 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.

ERA 276 - ERA Capstone

4 Unit(s) Prerequisite(s) Instructor permission. 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.

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& 111 - Engineering Graphics I (AE)

2 Unit(s) ICRC Approved Elective. Introduces the basic concepts of engineering graphics through freehand sketching and computer-aided drafting. Includes orthographic projection, section and auxiliary views, dimensioning and text. (Academic Elective)

ENGR& 112 - Engineering Graphics II (AE)

3 Unit(s) Prerequisite(s) ENGR& 111 or equivalent, MATH 111, or permission of instructor; **ICRC**

Approved Elective. 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.

ENGR 203 - Applied Numerical Methods (AE)

5 Unit(s) Prerequisite(s) MATH& 152 (MATH 118 recommended) or instructor permission; **ICRC Approved Elective.** 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.

ENGR& 204 - Electrical Circuits (AE)

5 Unit(s) Prerequisite(s) MATH& 152 and PHYS& 222; **ICRC Approved Elective.** 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.

ENGR& 214 - Statics (AE)

5 Unit(s) Corequisite(s): MATH& 151; **ICRC Approved Elective.** 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. (Academic Electives)

ENGR& 215 - Dynamics (AE)

5 Unit(s) Prerequisite(s) MATH& 152; **ICRC Approved Elective.** 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.

ENGR& 225 - Mechanics of Materials (AE)

5 Unit(s) Prerequisite(s) ENGR& 214; **ICRC Approved Elective.** 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.

ENGR 270 - Research In Engineering (AE)

12 Unit(s) Prerequisite(s) Instructor permission; **ICRC Approved Elective.** 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.

ENGLISH

ENGL 98 - Fundamentals of English 1

5 Unit(s) Prerequisite(s) Students must meet mandatory placement requirements to enroll. Study fundamentals of writing, such as grammar, sentence structure, punctuation, and development while also learning about the writing process and developing resourcefulness.

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) Prerequisite(s) Placement into ENGL& 101 or 2.0+ in 5 credits of ENGL 99 , WRT 105, or BTEC 221. **Distribution Requirement(s):** Communication; **ICRC Approved Elective.** 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.

ENGL& 102 - Composition II (C)

5 Unit(s) Prerequisite(s) Completion of ENGL& 101 with a minimum grade of 2.0. **Distribution Requirement(s):** Communication; **ICRC Approved Elective.** A course in argumentative and persuasive writing, methods of research, development and preparation of original source-based papers and projects.

ENGL& 111 - Introduction to Literature (H)

5 Unit(s) Distribution Requirement(s): Humanities 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.

ENGL& 113 - Introduction to Poetry (H)

5 Unit(s) Prerequisite(s) ENGL& 101. **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** An introduction to modern poetry (mid-19th c. to present) through the study of major English language poets: their lives, influences, and works.

ENGL& 114 - Introduction to Dramatic Literature (H)

5 Unit(s) Distribution Requirement(s): Humanities. **ICRC Approved Elective.** 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.

ENGL 160 - Women'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 099 with 2.0+ OR completion of ENGL& 111 with 2.0+. **Distribution Requirement(s):** Humanities, Diversity. 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.

ENGL 180 - Short Fiction (H)

5 Unit(s) 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. 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.

ENGL 204 - Introduction to Shakespeare (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

ENGL 208 - Introduction to Creative Writing (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

ENGL 209 - The Hero's Quest: Survey of English Literature, 7th Century to 1616 (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

ENGL 210 - The Crisis of Faith: Survey of English Literature, 1616-1798 (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

ENGL 211 - Survey of English Literature: 1798 - Present (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

ENGL 222 - Screenwriting (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

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 20+ 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 249 - The Great American Novel (H)

5 Unit(s) Prerequisite(s) ENGL& 101 with 2.0 or better or instructor permission. **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.**
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.

ENGL 250 - Literary Themes (AE)

3 to 5 Unit(s) ICRC Approved Elective. A major theme is followed through important works of fiction, poetry, and drama. Themes vary depending on the instructor and the quarter in which it is offered.

ENGL 251 - Science Fiction (H)

5 Unit(s) 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.** 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.

ENGL 260 - Non-Western World Literature (H)(D)

5 Unit(s) Prerequisite(s) ENGL& 101 with 2.0 or better or instructor permission. **Distribution Requirement(s):** Humanities, Diversity; **ICRC Approved Elective.** 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.

ENGL 271 - Intermediate Creative Writing (H)

5 Unit(s) Prerequisite(s) ENGL& 101 and ENGL 208 or instructor approval. **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** Students will hone and focus their creative invention, workshopping, revision, and editing skills while working on a single fiction or creative nonfiction project.

ENGL 272 - Advanced Creative Writing (AE)

3 Unit(s) Prerequisite(s) ENGL 271 and instructor permission. **ICRC Approved Elective.** For serious students who wish to prepare a manuscript for publication and/or writing program admission. Emphasis on workshopping, and revising of an individual project.

ENGL& 235 - Technical Writing (C)

5 Unit(s) Prerequisite(s) Completion of ENGL& 101 with a minimum grade of 2.0. **Distribution Requirement(s):** Communication; **ICRC Approved Elective.** An alternative to ENGL& 102 for science and engineering majors, focused on writing with clarity, objectivity, audience awareness, proper formats as well as research techniques, problem-solving, critical thinking and development of source-based writing.

ENGL& 244 - American Literature I (H)

5 Unit(s) Prerequisite(s) ENGL& 101 with 2.0 or better or instructor permission. **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** 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.

ENGL& 245 - American Literature II (D)(H)

5 Unit(s) Prerequisite(s) ENGL& 101 w/2.0 or better or instructor permission. **Distribution Requirement(s):** Humanities, Diversity; **ICRC**

Approved Elective. 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.

ENGL& 246 - American Literature III (D)(H)
Surveys development and diversification of American literature from Roaring 1920's to the present, including modernist innovations in poetry/prose, the Beats, Harlem Renaissance, Latino/a, Asian American, Native American, feminist, environmental, science, and dystopian fictions. Prerequisite: ENGL& 101 with 2.0 or better or instructor permission.

WRT 105 - Writing In The Workplace

5 Unit(s) Prerequisite(s) 5 units of ENGL 98 or higher with 2.0+ or minimum placement score for ENGL 099/WRT 105. Study a variety of workplace communications, along with proper use of grammar, sentence structure, mechanics and vocabulary within those communications.

ENGLISH FOR WORK LITERACY

ELA 011, 012, 013, 014 - English for Work

1 to 15 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests lower than 181. Introduces beginning non-native speakers of English to career pathways in Business, Health, Academic Transfer and Industry. Students learn listening, speaking, reading, writing and math skills through the use of contextualized instruction and technology.

ELA 021, 023, 024 - English for Work

1 to 15 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests between 181-190. Introduces beginning non-native speakers of English to career pathways in business, health, academic transfer and industry. Students learn listening, speaking, reading, writing and math skills through the use of contextualized instruction and technology.

ELA 031, 032, 033, 034 - English for Work

1 to 15 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests between 191-200. Introduces beginning non-native speakers of English to career pathways in Business, Health, Academic Transfer and Industry. Students learn listening, speaking, reading, writing and math skills through the use of contextualized instruction and technology.

ELA 041, 042, 043, 044 - English for Work

1 to 15 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests between 201-210. Introduces beginning non-native speakers of English to career pathways in Business, Health, Academic Transfer and Industry. Students learn listening, speaking, reading, writing and math skills through the use of contextualized instruction and technology.

ELA 70 - Language Comprehension 1

1 to 10 Unit(s) Prerequisite(s) Valid CASAS scores. In this Level 1 Language Comprehension course, students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses.

ELA 71 - Aural/Written Language 1

1 to 10 Unit(s) Prerequisite(s) Valid CASAS scores. In this Level 1 Aural/Written Language course, students will develop speaking, grammar, and composition skills needed to succeed in subsequent liberal arts and technical/occupational courses.

ELA 72 - Language Comprehension 2

1 to 10 Unit(s) Prerequisite(s) Valid CASAS scores. In this Level 2 Language Comprehension course, students will develop listening and reading comprehension skills needed to succeed in subsequent liberal arts and technical/occupational courses.

ELA 81 - Aural/Written Lang 2

1 to 10 Unit(s) Prerequisite(s) Valid CASAS scores. In this Level 2 Aural/Written Language course, students will develop speaking, grammar, and composition skills needed to succeed in subsequent liberal arts and technical/occupational courses.

ELA 252 - English for Work-ELA 22

1 to 15 Unit(s) Prerequisite(s) Valid scaled scores from CASAS pre- or post-tests between 181-190. Introduces beginning non-native speakers of English to career pathways in Business, Health, Academic Transfer and Industry. Students learn listening, speaking, reading, writing and math skills through the use of contextualized instruction and technology.

ENVIRONMENTAL SCIENCE

ENVS 100 - Intro to Environmental Science Lab (NS)

1 Unit(s) ICRC Approved Elective. Field experience in environmental science. Visit local environments, both natural and human-dominated, ranging from old growth forests to floodplain restoration sites to recycling, forestry and organic farming operations. Includes two Saturday field trips. Lab fee $10.87

ENVS& 100 - Survey of Environmental Science (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& 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 120 - Watersheds: Connecting Mountains to The Sea (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** Investigate interconnections among geology, hydrology, biological diversity, ecology, human impacts and development along local rivers from headwaters to the ocean. General concepts presented in lectures are illustrated during day-long weekend field trips over rough terrain. Lab fee $31.84.

ENVS 121 - Fire and Ice, Rain and Rocks (AE)

1 Unit(s) ICRC Approved Elective. Examine the geologic and hydrologic characteristics and history of a river from its headwaters to its delta-how earthquakes, faulting, folding, climate, glaciers, volcanism, and man have affected the river. Includes a day-long field trip over rough terrain. Lab fee $6.36.

ENVS 122 - Plants, People, and Watershed Health (AE)

1 Unit(s) ICRC Approved Elective. Investigate the role of upland forests and riparian vegetation on the health of watersheds and people. During a day-long field trip over rough terrain, identify plant species, measure ecosystem characteristics, observe healthy and impacted sites, and investigate the compatibility of forestry, agriculture and watersheds. Lab fee $6.36.

ENVS 123 - Let The Bugs Speak: Biological Communities (AE)

1 Unit(s) ICRC Approved Elective. Investigate biological communities found in local streams and rivers, focusing on aquatic insects and aquatic vertebrates. Apply stream survey techniques to assess stream health. Includes a day-long field trip over rough terrain.

ENVS 124 - Life In The Mud: Where The River Meets The (AE)

1 Unit(s) ICRC Approved Elective. Estuaries, important and yet impacted ecosystems, are critical nursery habitats for many marine species, including endangered salmon and important overwintering habitat for migratory birds. Investigate the impacts of anthropogenic modification to the local estuaries and recent attempts at habitat restoration. Includes a day-long field trip over rough terrain. Lab fee $6.36.

ENVS 125 - Life On The Edge: Surviving The Intertidal (AE)

1 Unit(s) ICRC Approved Elective. Investigate the flora and fauna living in the intertidal zones of sandy and rocky habitats in Puget Sound and the Straits of Juan de Fuca. Explore the physical and biological factors that regulate intertidal communities in the Pacific Northwest. Includes field trips over rough terrain. Lab fee $6.36.

ENVS 126 - Our River's Keepers: Pollution & Remediation(AE)

1 Unit(s) ICRC Approved Elective. Examines pollution within the Chehalis River watershed, including pollutant types, sources, impacts, environmental fates and methods of remediation. Asses water quality, examine potential sources of pollutants, and visit restoration/remediation projects. Includes a day-long field trip over rough terrain.

ENVS 127 - Fishes & Rivers In Northwest: Intro to The 4(AE)

1 Unit(s) ICRC Approved Elective. Investigate fish communities found in local streams and rivers. Examine the impacts of habitat loss, hydropower and dams, hatcheries, and overharvesting on local fish populations. Includes a day-long trip over rough terrain.

ENVS 170 - Natural Resources Management (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** 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.

ENVS 440 - Environmental Issues (NS)

5 Unit(s) Prerequisite(s) Enrollment in BAS-AM or by permission. **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** 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.

GEOLOGY

GEOL& 103 - Historical Geology W/Lab (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** 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.

GEOL& 101 - Introduction Physical Geology (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** Explore and recognize earth materials, processes and structures within a plate tectonics framework; origin and structure of the Earth, rocks and minerals, geologic time, earthquakes and volcanoes, ocean basins, formation of landscapes, special topics. Lab fee $28.36.

GEOL 102 - Earth Surface Processes (NS)

5 Unit(s) Corequisite(s): MATH 098. **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** 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. Geology

GEOL 106 - Survey of Earth Sciences (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** 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.

GEOL 108 - Natural Hazards & Catastrophes (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** 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.

GEOL 180 - Cascade and Plateau Geology (NS)

3 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** Students will explore the geology of a selected area of interest, for example, Hawaii, Grand Canyon, Rocky Mountains, Cascades, Yellowstone, Tetons, Southwest Deserts, etc. Lab fee $82.69.

GEOG 201 - Introduction to Physical Geography (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** Explore the characteristics of and relationships between Earth's natural system: lithosphere, hydrosphere, atmosphere, and biosphere. Introduction to landforms, climates, vegetation, soils, mineral and water resources, plate tectonics, and maps. Course work will include some college level writing and math.

GEOG& 200 - Human Geography (D) (SS)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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.

GEOL& 208 - Geology of Pacific NW (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** Examines the geology and geologic history of the Pacific Northwest and geologic processes important to its evolution. Topics include volcanoes, earthquakes, plate tectonics, rock and minerals, faults and folds, mountain building, landforms, glaciation, and surface processes. Lab fee $28.36.

GEOL 270 - Research in Geology (AE)

1 to 12 Unit(s) Prerequisite(s) Instructor permission; **ICRC Approved Elective.** 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. (Academic Elective)

HEALTH

HLTH 120 - Women's Health Issues (D) (HF)

3 Unit(s) Distribution Requirement(s): Health & Fitness, Diversity. An opportunity to examine current women's health and well-being issues. Lab fee $3.10.

HLTH 125 - Exploring Healthcare Professions

3 Unit(s) An opportunity for investigating the many career opportunities in the health sciences.

HLTH 130 - Health & Wellness (HF)

3 Unit(s) Distribution Requirement(s): Health & Fitness. 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.

HLTH 135 - Healthy Weight Control (HF)

2 Unit(s) Distribution Requirement(s): Health & Fitness. An introduction to healthy eating that focuses on a balance of foods, including a variety of lifestyle change strategies that will enhance the maintenance of a healthy weight. Lab fee $3.10.

HLTH 140 - Exercise & Nutrition (HF)

3 Unit(s) Distribution Requirement(s): Health & Fitness. 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.

HLTH 141 - Global Health Issues (D) (HF)

3 Unit(s) Distribution Requirement(s): Health & Fitness, Diversity. 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.

HLTH 143 - Stress Management (HF)

2 Unit(s) Distribution Requirement(s): Health & Fitness. 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.

HLTH 144 - Technology Health/Fitness (HF)

2 Unit(s) Distribution Requirement(s): Health & Fitness. Explore current uses of technology for adherence, motivation and monitoring of health and fitness behaviors. Areas covered will be digital coaching, fitness monitors and trackers, downloadable applications and peer to peer or social apps.

HLTH 145 - Safety & Fitness (HF)

3 Unit(s) Distribution Requirement(s): Health & Fitness. 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.

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) Prerequisite(s) CASAS score 236-245. 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.

HSE 002 - CWP, Environmental Science, English Level 5

1 to 10 Unit(s) Prerequisite(s) CASAS score 236-245. 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.

HSE 003 - Life Science & English Level 5

1 to 10 Unit(s) Prerequisite(s) CASAS score 236-245. 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.

HSE 004 - Occupational Education & English Level 5

1 to 10 Unit(s) Prerequisite(s) CASAS score 236-245. 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.

HSE 005 - US History, Government, Fine Arts, English Level 5

1 to 10 Unit(s) Prerequisite(s) CASAS score 236-245. 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.

HSE 006 - WA State History & English Level 5

1 to 10 Unit(s) Prerequisite(s) CASAS score 236-245. 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.

HSE 007 - Health, Fitness and English Level 5

1 to 10 Unit(s) Prerequisite(s) CASAS score 236-245. 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.

HSE 008 - Algebra 1 - Level 5

1 to 5 Unit(s) Prerequisite(s) CASAS score 236-245. SBCTC High School 21 degree for Algebra 1--fulfillment of one's high school degree competencies or GED.

HSE 009 - Algebra 2 - Level 5

1 to 5 Unit(s) Prerequisite(s) CASAS score 236-245. SBCTC High School 21 degree for Algebra 2--fulfillment of one's high school degree competencies or GED.

HSE 010 - Geometry - Level 5

1 to 5 Unit(s) Prerequisite(s) CASAS score 236-245. SBCTC High School 21 degree for Geometry--in fulfillment of one's high school degree competencies or GED.

HSE 011 - Portfolio & English Level 6

1 to 10 Unit(s) Prerequisite(s) CASAS score 246- or higher (ASE 2). 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.

HSE 012 - CWP, Environmental Science, English Level 6

1 to 10 Unit(s) Prerequisite(s) CASAS score 246- or higher (ASE 2). 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.

HSE 013 - Life Science & English Level 6

1 to 10 Unit(s) Prerequisite(s) CASAS score 246- or higher (ASE 2). 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.

HSE 014 - Occupational Education & English Level 6

1 to 10 Unit(s) Prerequisite(s) CASAS score 246- or higher (ASE 2). 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.

HSE 015 - US History, Government, Fine Arts, English Level 6

1 to 10 Unit(s) Prerequisite(s) CASAS score 246- or higher (ASE 2). SBCTC High School 21 degree integrated reading writing class demonstrating English competency through the study of US History, Government and Fine Arts-in fulfillment of one's high school degree competencies or GED.

HSE 016 - WA State History, English Level 6

1 to 10 Unit(s) Prerequisite(s) CASAS score 246- or higher (ASE 2). 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.

HSE 017 - Health, Fitness, English Level 6

1 to 10 Unit(s) Prerequisite(s) CASAS score 246- or higher (ASE 2). 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.

HSE 018 - Algebra 1 - Level 6

1 to 5 Unit(s) Prerequisite(s) CASAS score 246- or higher (ASE 2). SBCTC High School 21 degree for Algebra 1-in fulfillment of one's high school degree competencies or GED.

HSE 019 - Algebra 2 - Level 6

1 to 5 Unit(s) Prerequisite(s) CASAS score 246- or higher (ASE 2). SBCTC High School 21 degree for Algebra 2-in fulfillment of one's high school degree competencies or GED. Prerequisite: CASAS score 246 or higher (ASE 2).

HSE 020 - Geometry - Level 6

1 to 5 Unit(s) Prerequisite(s) CASAS score 246- or higher (ASE 2). SBCTC High School 21 degree for Geometry-in fulfillment of one's high school degree competencies or GED.

HSE 021 - Math Fundamentals

1 to 5 Unit(s) This course reviews basic math fundamentals. Concepts include whole numbers, fractions, mixed numbers, decimals, percent, ratio, rates, proportions, measurements, signed numbers, and basic geometry. Course equals one (1) high school math credit for certain pathways and graduation cohorts.

HSE 052 - L5-Wa Hist/Fine Arts/Sci

1 to 15 Unit(s) Prerequisite(s) CASAS score: 236-245. Integration of language arts and thinking skills through exploration of Washington State: civics, economics, art, literature, music, history, industry, geography, settlement, and migration. Will also examine unique technological and innovational advancements within the state.

HSE 054 - L5-US Hist/Fine Arts/Sci

1 to 15 Unit(s) Prerequisite(s) CASAS score: 236-245. Integration of language arts and thinking skills through exploration of United States history: civics, economics, art, literature, music, history, industry, geography, settlement, and migration. Will also examine unique technological and innovational advancements within American.

HSE 055 - L5-CWP/Fine Arts/Science

1 to 15 Unit(s) Prerequisite(s) CASAS score: 236-245. Integration of language arts and thinking skills

through exploration of contemporary world problems; politics, economics, art, literature, music, history, industry, geography, colonization, re-settlement, and migration. Will also examine technological, environmental, and innovational issues.

HSE 062 - L6-WA Hist/Fine Arts/Sci

1 to 15 Unit(s) Prerequisite(s) CASAS score: 246-255. Integration of language arts and thinking skills through exploration of Washington State: civics, economics, art, literature, music, history, industry, geography, settlement, and migration. Will also examine unique technological and innovational advancements within the state.

HSE 064 - L6-US Hist/Fine Arts/Sci

1 to 15 Unit(s) Prerequisite(s) CASAS score: 246-255. Integration of language arts and thinking skills through exploration of United States history: civics, economics, art, literature, music, hi, industry, geography, settlement, and migration. Will also examine unique technological and innovational advancements within America.

HSE 065 - L6-CWP/Fine Arts/Science

1 to 15 Unit(s) Prerequisite(s) CASAS score: 246-255. Integration of language arts and thinking skills through exploration of contemporary world problems; politics, economics, art, literature, music, history, industry, geography, colonization, re-settlement, and migration. Will also examine technological, environmental, and innovational issues.

HSE 085 - Contemporary World Problems

1 to 5 Unit(s) Prerequisite(s) CASAS score of 236 or instructor permission. This is an introductory course which satisfies the Washington State Board of Education's requirements for competency in Contemporary World Problems. Students earn (1) high school credit in Washington State History upon successful completion.

HSE 086 - Washington State History

1 to 5 Unit(s) Prerequisite(s) CASAS score of 236 or instructor permission. This is an introductory course which satisfies the Washington State Board of Education's requirements for competency in Washington State History. Students earn (1) high school credit in Washington State History upon successful completion of 5 college units.

HSE 088 - US History

1 to 5 Unit(s) Prerequisite(s) CASAS score of 236 or instructor permission. This is an introductory course which satisfies the Washington State Board of Education's requirements for competency in US History. Students earn (1) high school credit in Washington State History upon successful completion of 5 college units.

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).

HSE 092 - English

1 to 5 Unit(s) Prerequisite(s) CASAS score of 236 or instructor permission. This is an introductory course which satisfies the Washington State Board of Education's requirements for competency in English, focusing on communication skills. Students earn high school credit in English.

HSE 093 - Fine Arts

1 to 5 Unit(s) Prerequisite(s) CASAS score of 236 or instructor permission. This is an introductory course which satisfies the Washington State Board of Education's requirements for competency in Fine Arts, focusing on communication skills and how art influences and reflects culture and civilization. Students earn high school credit in Art (1).

HSE 094 - General Science

1 to 5 Unit(s) Prerequisite(s) CASAS score of 236 or instructor permission. This is an introductory course which satisfies the Washington State Board of Education's requirements for competency in general Science, focusing on life science and the scientific method. Students earn high school credit in Science.

HISTORY

HIST 110 - History of Intolerance (SS)(D)

3 Unit(s) Distribution Requirement(s): Social Science, Diversity. **ICRC Approved Elective.** 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.

HIST& 116 - Western Civilization I (SS)

5 Unit(s) Distribution Requirement(s): Social Science; **ICRC Approved Elective.** Analysis of the development of major political, economic, social and cultural characteristics of Antiquity and Medieval Europe.

HIST& 117 - Western Civilization II (SS)

5 Unit(s) Distribution Requirement(s): Social Science; **ICRC Approved Elective.** Analysis of the modern state with emphasis on the Renaissance, the Reformation, Absolutism, Scientific and Political Revolutions.

HIST& 118 - Western Civilization III (SS)

5 Unit(s) Distribution Requirement(s): Social Science; **ICRC Approved Elective.** Analysis of the late 19th and 20th centuries with special attention paid to the development of political, social and economic trends and events.

HIST& 126 - World Civilization I (SS)(D)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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. (SS)(D)

HIST& 127 - World Civilization II (SS)(D)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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. (SS)(D)

HIST& 128 - World Civilization III (SS)(D)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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. (SS)(D)

HIST& 146 - US History I (SS)

5 Unit(s) Distribution Requirement(s): Social Science; **ICRC Approved Elective.** Analysis of American history from the pre-invasion to the Antebellum Era. Emphasis will be on the political, social, and economic changes.

HIST& 147 - US History II (SS)

5 Unit(s) Distribution Requirement(s): Social Science; **ICRC Approved Elective.** Analysis of American history from Antebellum Era to the Progressive Era. Emphasis will be on the political, social, and economic changes.

HIST& 148 - US History III (SS)

5 Unit(s) Distribution Requirement(s): Social Science; **ICRC Approved Elective.** Analysis of American history from World War One to the present. Emphasis will be on the political, social, and economic changes.

HIST 210 - Introduction to Pacific Asian History (SS)(D)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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.

HIST& 214 - Pacific NW History (SS)

5 Unit(s) Distribution Requirement(s): Social Science; **ICRC Approved Elective.** 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.

HIST& 215 - Women In U.S. History (SS)(D)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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. (SS)(D)

HIST& 220 - African American History (SS)(D)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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.

HIST 275 - America In Vietnam (AE)

5 Unit(s) ICRC Approved Elective. 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.

HIST 280 - History of American Foreign Relations (SS)

5 Unit(s) Distribution Requirement(s): Social Science; **ICRC Approved Elective.** 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.

HORTICULTURE

HORT 101 - Horticulture Science

3 Unit(s) Prerequisite(s) GED. Overview of horticulture, landscape and botany. Classroom and lab.

HORT 102 - Plant Pest Management

4 Unit(s) Prerequisite(s) HORT 101. Students learn to detect, identify, and control weeds and diseases. Classroom and lab.

HORT 103 - Plant Propagation

3 Unit(s) Students learn multiple methods of reproducing plants primarily in a greenhouse setting.

HORT 104 - Pruning Practices

4 Unit(s) Students learn basic methods of pruning different types of plants. Classroom and lab.

HORT 105 - Landscape Equipment

3 Unit(s) Landscape development and maintenance. Focus on power equipment. Classroom and lab.

HORT 106 - Landscape Management

3 Unit(s) Students will learn tree and lawn care, primarily using hand tools. Classroom and lab.

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) Prerequisite(s) HR 101 or instructor permission. 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.

HUMANITIES

HUM 110 - Ethics &Cultural Values (H)(D)

5 Unit(s) Distribution Requirement(s): Humanities, Diversity; **ICRC Approved Elective.** An interdisciplinary course involving the study of philosophy, literature, history and religion within the context of Western and Oriental ethical systems of thought, focusing on cultural values through a study of virtue, duty, utility, and rights.

HUM& 116 - Humanities I (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** A survey of the major movements in art, architecture, music, philosophy and literature in a historical context, from pre-history to 1400 C.E.

HUM& 117 - Humanities II (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

HUM& 118 - Humanities III (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** A survey of the major movements in art, architecture, music, philosophy, and literature in a historical context, from 1800 C.E. to the present.

HUM 270 - Survey of Film Studies (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** An examination of the social, historical, technical, and artistic aspects of film through viewing, studying and discussing notable motion pictures.

HUM 281 - Lyceum I (AE)

1 Unit(s) ICRC Approved Elective. The Lyceum offers a variety of lectures on topics of current interest across a wide variety of disciplines. The theme may vary from quarter to quarter.

HUM 282 - Lyceum II (AE)

1 Unit(s) ICRC Approved Elective. The Lyceum offers a variety of lectures on topics of current interest across a wide variety of disciplines. The theme may vary from quarter to quarter.

HUM 283 - Lyceum III (AE)

1 Unit(s) ICRC Approved Elective. The Lyceum offers a variety of lectures on topics of current interest across a wide variety of disciplines. The theme may vary from quarter to quarter.

HUM 284 - Lyceum IV (AE)

1 Unit(s) ICRC Approved Elective. The Lyceum offers a variety of lectures on topics of current interest across a wide variety of disciplines. The theme may vary from quarter to quarter.

HUM 285 - Lyceum V (AE)

1 Unit(s) ICRC Approved Elective. The Lyceum offers a variety of lectures on topics of current interest across a wide variety of disciplines. The theme may vary from quarter to quarter.

HUM 286 - Lyceum VI (AE)

1 Unit(s) ICRC Approved Elective. The Lyceum offers a variety of lectures on topics of current interest across a wide variety of disciplines. The theme may vary from quarter to quarter. (Academic Elective)

HUM 315 - Ethics (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

INFORMATION TECHNOLOGY

CS& 131 - Computer Science I C++

5 Unit(s) ICRC Approved Elective. 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) Prerequisite(s) MATH 99 or equivalent. **ICRC Approved Elective.** 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.

I T 101 - Intro to Programming (AE)

5 Unit(s) ICRC Approved Elective. 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.

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) Prerequisite(s) I T 101 or permission. 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.

I T 112 - Programming II

5 Unit(s) Prerequisite(s) I T 111 or instructor permission. 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.

I T 113 - Programming III

5 Unit(s) Prerequisite(s) I T 112 or instructor permission. 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.

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) Prerequisite(s) IT 119
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.

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) Prerequisite(s) I T 123 or I T 125. 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.

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 $50.0

I T 130 - IT Apps Internship

2 Unit(s) Prerequisite(s) I T 101 and I T 119. 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.

I T 140 - IT Support Internship

2 Unit(s) Prerequisite(s) I T 123 and I T 124. 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.

I T 144 - Microsoft Office for IT

5 Unit(s) Prerequisite(s) I T 123 and I T 124. 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.

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 201 - Network Technology 1

5 Unit(s) Prerequisite(s) MATH 98. This course is based on CompTIA Network+ certification materials. Material covered includes Fundamental Concepts, Terminology, LANs, WANs, Internetworking, VLANs, Routing Basics and Wireless Networking.

I T 202 - Advanced Networking

5 Unit(s) Prerequisite(s) I T 201. 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.

I T 203 - Network Security

5 Unit(s) Prerequisite(s) I T 201 and I T 202. Course concentrates on materials commonly associated with Security+ certification. Coverage includes risk identification, intrusion detection, encrypted communication, firewalls and basic forensics. Lab fee $50.

I T 205 - PHP/SQL

4 Unit(s) Prerequisite(s) I T 121. 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.

I T 212 - Web Development II

5 Unit(s) Prerequisite(s) I T 121 and I T 150. Students will learn to develop live services for web-based applications using server-side architectures. This course builds on previous experience in web development.

I T 213 - Web Development III

5 Unit(s) Prerequisite(s) I T 112 and I T 212. 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 $50.00.

I T 218 - Server OS 1

5 Unit(s) Prerequisite(s) I T 123. 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.

I T 219 - Server OS 2

4 Unit(s) Prerequisite(s) I T 218. 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.

I T 220 - Software Development I

5 Unit(s) Prerequisite(s) I T 112 or permission. 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.

I T 221 - Software Development II

5 Unit(s) Prerequisite(s) I T 220. 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.

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) Prerequisite(s) I T 224. 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) Prerequisite(s) I T 224. 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.

I T 235 - Cisco Networking

5 Unit(s) Prerequisite(s) I T 201 and I T 202. 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.

I T 240 - Mobile Device OS

3 Unit(s) Prerequisite(s) I T 123. 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.

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 build on previous experience in web development. Lab fee $50.

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.

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.

I T 280 - Application Development Capstone

5 Unit(s) Prerequisite(s) I T 212, I T 220, or instructor permission. Students will deliver a comprehensive software project that demonstrates mastery of the concepts introduced in the Application Development program. Lab fee $50.

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.

I T 301 - Application Development Fundamentals

5 Unit(s) This class focuses on object-oriented programming techniques using classes, polymorphism, inheritance, abstraction and interfaces. Application design will be emphasized. Additional topics include UML diagramming architectural frameworks such as MVC. Prior basic understanding of OOP recommended. Lab fee $50.

I T 310 - Adv Web Applications

5 Unit(s) An advanced course in web development. This course covers the full web development stack including client side(HTML, CSS, JavaScript), server side (ASP.NET), database layer (MSSQL), using frameworks (MVC). Lab fee $50.

I T 320 - Development Methodologies

5 Unit(s) Students are introduced to formal software engineering methodologies. Various well known methodologies are covered through examination of case studies and in project work. Team development practices are emphasized. Lab fee $50.

I T 330 - Software Engineering I

5 Unit(s) Prerequisite(s) BAS-IT:AD admission or approval. An introduction course in software engineering. Software modeling using Unified Markup Language (UML) diagramming, systems (business) analysis, requirements gathering, analysis, and design are the focus of this course. Lab fee $50.

I T 340 - Software Engineering II

5 Unit(s) Prerequisite(s) BAS-IT:AD admission or approval. A second course in Application/Software Engineering. Introduces test-driven development. Coding exercises include building unit tests and application code based on the requirements documentation of a project. Lab fee $50.

I T 350 - Advanced Database Design

5 Unit(s) Class will focus on data models, entities, normalization/denormalization, SQL, stored procedures, and general design. MS SQL Server is used for the class. Includes survey of other modern database systems such as NOSQL and Postgres. Lab fee $50.

I T 410 - Advanced Data Access Techniques

5 Unit(s) This course examines utilization of advanced database systems such as NOSQL systems, dimensional cubes and hypercubes (OLAP), ODBC connections, and relational database systems for data analysis and development of data driven applications. Lab fee $50.

I T 415 - Data Structures and Algorithms

5 Unit(s) Prerequisite(s) BAS-IT: AD admission or approval. Introduction to data structures and analysis of algorithms. Topics include abstract data types, specification, and implementation of advanced data structures, and theoretical and empirical analysis of recursive and iterative algorithms.

I T 420 - Business Intelligence App

5 Unit(s) Prerequisite(s) BAS-IT:AD admittance or permission of the instructor. Students gain practical experience and skills to develop business intelligence solutions. Students will create reports, dashboards, setup and perform statistical analysis, data mining, and classification/clustering of data using both programming and tools. Lab fee $50.

I T 430 - Info Security for Developers

5 Unit(s) Students will examine information system security. Students will develop protocols and controls to harden information systems, and learn how vulnerabilities in information systems can be exploited using common, easy to access tools and techniques. Lab fee $50.

I T 435 - Current Topics in Computing

5 Unit(s) Prerequisite(s) BAS-IT: AD admission or approval. Selected topics in emerging areas of computing. Potential topics include software development processes, web development, artificial intelligence cloud-based processes, human-computer interaction, and computer security. Lab fee $50.

I T 440 - I T Internship

3 Unit(s) Prerequisite(s) Admittance into BAS program or administrator approval or co-enrolled in MGMT 460 and 45 credits of BAS courses. 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 $50.

I T 450 - Internship 2

5 Unit(s) Prerequisite(s) BAS-IT:AD admittance or permission of the instructor. Students enrolled in this internship will have opportunities to serve on a software development team in some capacity, gaining practical experience in the software development life cycle, stakeholder communication, collaboration, and software development. Lab fee $50.

I T 460 - BAS-IT: AD Capstone

5 Unit(s) Students will deliver a working software project, and all associated documentation to demonstrate mastery of the software development life cycle, and of modern software development methodologies.

JOURNALISIM

JOUR 106 - Introduction to News Writing I (H)

5 Unit(s) Distribution Requirement(s): Humanities. Learn the difference between news writing and other types of writing. Practice writing a variety of kinds of news articles.

LINGUISTICS

LING 101 - Intro to Linguistics (SS)

5 Unit(s) Distribution Requirement(s): Social Science. Learn how languages take a collection of sounds and create meaning from them using many different techniques. This course studies the different levels of language composition by looking at data from many different languages. (SS)

LING 102 - World Languages Survey (D)(SS)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity. Similar to a family tree, the thousands of languages of the world are also related in complex ways. Learn how the history of human migration and culture can be seen in the world's languages.

MATH

MATH 95 - Basic Mathematics

1 to 5 Unit(s) For students who need to review basic math concepts such as whole number, fraction and decimal operations. Appropriate placement test scores.

MATH 96 - Pre-Algebra

1 to 5 Unit(s) Prerequisite(s) MATH 095 or appropriate test score placement. Covers percents, proportions, unit conversions, geometry, simplifying algebraic expressions and solving simple first degree linear equations.

MATH 97 - Algebra for Statistics

5 Unit(s) Prerequisite(s) MATH 096 or Compass score of 78+. An algebra course for students intending to enroll in MATH& 146, Introduction to Stats. This course does not meet the algebra prerequisite for other quantitative skills courses or for transfer to the University of Washington.

MATH 98 - Non-STEM Algebraic Literacy

1 to 5 Unit(s) Prerequisite(s) MATH 96 or equivalent. 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.

MATH 99 - STEM Algebraic Literacy

1 to 5 Unit(s) Prerequisite(s) MATH 98 or equivalent. 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.

MATH 102 - Introduction to Discrete Structures

5 Unit(s) Prerequisite(s) MATH 98 or instructor permission. This class is designed to introduce mathematical concepts in computer science. Topics include logic, set theory, graphs and trees, recursion, and basic modular arithmetic.

MATH& 107 - Math in Society (M)

5 Unit(s) Prerequisite(s) MATH 099 or equivalent. **Distribution Requirement(s):** Quantitative Skill; **ICRC Approved Elective.** Designed to enhance math proficiency of liberal arts students as they meet

personal and professional demands. Includes mathematics in management, statistics, probability, art, and other practical applications in society. Not preparation for calculus.

MATH 118 - Linear Algebra (M)

5 Unit(s) Prerequisite(s) MATH& 142 or equivalent placement. **Distribution Requirement(s):** Quantitative Skill; **ICRC Approved Elective.** 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.

MATH& 131 - Math for Elem Educ 1 (M)

5 Unit(s) Prerequisite(s) MATH 099 or equivalent ASSET/COMPASS score. **Distribution Requirement(s):** Quantitative Skill; **ICRC Approved Elective.** Designed to provide the conceptual framework for teaching mathematics from kindergarten through eighth grade.

MATH& 132 - Math for Elementary Education 2 (M)

5 Unit(s) Prerequisite(s) MATH& 131. **Distribution Requirement(s):** Quantitative Skill; **ICRC Approved Elective.** The second of two courses designed to provide the conceptual framework for teaching mathematics from kindergarten through eighth grade.

MATH 135 - Pre-Calculus Refresher (M)

5 Unit(s) Prerequisite(s) High school pre-calculus equivalent or instructor approval. **Distribution Requirement(s):** Quantitative Skill; **ICRC Approved Elective.** Designed as a refresher course for students who have previously had a Pre-Calculus course. Content includes everything covered in MATH 141 and MATH 142.

MATH 140 - Pre-Calculus 1 Seminar

1 Unit(s) Corequisite(s): MATH& 141. **ICRC Approved Elective.** 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.

MATH& 141 - Pre-Calculus I (M)

5 Unit(s) Prerequisite(s) MATH 099 or equivalent placement. **Distribution Requirement(s):** Quantitative Skill; **ICRC Approved Elective.** Study of elementary functions (polynomial, exponential, logarithmic), systems of equations, matrix algebra. Modeling and problem solving techniques are emphasized from a graphic, symbolic and numeric perspective.

MATH& 142 - Pre-Calculus II (M)

5 Unit(s) Prerequisite(s) MATH& 141. **Distribution Requirement(s):** Quantitative Skill; **ICRC Approved Elective.** Graphical, numerical, symbolic development of trigonometric functions and their inverses as defined on the unit circle and right triangles; identities, equations, and applications; complex numbers, polar coordinates, parametric equations, vectors, conics, and sequences and series.

MATH 145 - Statistics Prep Seminar

1 Unit(s) Prerequisite(s) MATH 097, 099 or equivalent, or instructor permission. **ICRC Approved Elective.** Refreshes and enhances the necessary prerequisite skills for a college-level statistics course. Topics include algebra for statistics, spreadsheet software skills, and probabilistic reasoning.

MATH& 146 - Introduction to Statistics (M)

5 Unit(s) Prerequisite(s) MATH 097, MATH 099 or equivalent. **Distribution Requirement(s):** Quantitative Skill; **ICRC Approved Elective.** 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.

MATH 147 - Finite Math for Business (M)

5 Unit(s) Prerequisite(s) MATH 099 or equivalent. **Distribution Requirement(s):** Quantitative Skill; **ICRC Approved Elective.** Linear, polynomial and rational function models. Exponential and logarithmic functions. Mathematics of finance, matrices, linear programming, set operations and probability.

MATH& 148 - Business Calculus (M)

5 Unit(s) Prerequisite(s) MATH 147 or MATH& 141 or equivalent. **Distribution Requirement(s):** Quantitative Skill; **ICRC Approved Elective.** An introduction to calculus concepts needed for business applications. Topics discussed are limits, derivative, integrals, and partial derivatives. Business applications are stressed.

MATH& 151 - Calculus I (M)

5 Unit(s) Prerequisite(s) MATH& 142 or instructor permission. **Distribution Requirement(s):** Quantitative Skill; **ICRC Approved Elective.** 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.

MATH& 152 - Calculus II (M)

5 Unit(s) Prerequisite(s) MATH& 151 or equivalent. **Distribution Requirement(s):** Quantitative Skill; **CRC Approved Elective.** The second in a four-quarter sequence. Covers the calculus of transcendental functions (exponential, logarithm, inverse circular, hyperbolic), techniques of integration, sequences, series, and power series.

MATH& 153 - Calculus III

5 Unit(s) Prerequisite(s) MATH& 152. **ICRC Approved Elective.** 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.

MATH 156 - Calculus I Lab (AE)

1 Unit(s) Corequisite(s): MATH& 151. **ICRC Approved Elective.** Analyze concepts from Calculus I using algebra-based computer software. For students currently enrolled in Calculus I or who have instructor permission.

MATH& 163 - Calculus III (AE)

5 Unit(s) Prerequisite(s) MATH& 152 or equivalent. **ICRC Approved Elective.** Third in a four-quarter sequence. Polar coordinates, parametric equations, vectors, and vector fields, the analytic geometry of three-space, partial derivatives, and multiple integrals.

MATH 202 - Discrete Structures 1 (M)

5 Unit(s) Prerequisite(s) MATH& 141 or MATH 102 and MATH 99 or instructor permission. **Distribution Requirement(s):** Quantitative Skill Distribution. Students will learn set theory, relations, functions, formal logic, constructing proofs, computing with base n numbers, combinatorics, and discrete probability with applications.

MATH 212 - Elementary Differential Equations (AE)

5 Unit(s) Prerequisite(s) MATH& 163; **ICRC Approved Elective.** 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.

MATH 245 - Statistical Programming (M)

5 Unit(s) Prerequisite(s) MATH& 146 or equivalent, or instructor permission. **Distribution Requirement(s):** Quantitative Skill; **ICRC Approved Elective.** 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.

MATH 246 - Intermediate Statistics (M)

5 Unit(s) Prerequisite(s) MATH 245 or instructor permission. **Distribution Requirement(s):** Quantitative Skill; **ICRC Approved Elective.** 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.

MATH& 254 - Calculus IV

5 Unit(s) Prerequisite(s) MATH& 163. **ICRC Approved Elective.** 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.

MATH 264 - Calculus IV (AE)

3 Unit(s) Prerequisite(s) MATH& 163 or equivalent. **ICRC Approved Elective.** Fourth in a four-quarter sequence. Optimization of 2 and 3 variable functions, Lagrange Multipliers, applications and techniques of multiple integration, Green's Theorem, Stokes Theorem, and line and surface integrals.

MATH 315 - Teaching Math (M)

5 Unit(s) Distribution Requirement(s): Quantitative Skill; **ICRC Approved Elective.** 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.

MATH 350 - Managerial Statistics (M)

5 Unit(s) Prerequisite(s) Lower division Quantitative Skills course. **Distribution Requirement(s):** Quantitative Skill; **ICRC Approved Elective.** 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.

TMATH 110 - Technical Math II

3 Unit(s) Prerequisite(s) TMATH 100. Course emphasizes trigonometric functions used to solve engineering, electronics, and mechanics application problems.

TMATH 116 - Industrial Math

5 Unit(s) Prerequisite(s) MATH 95. 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.

TMATH 121 - Electronics Math 1

5 Unit(s) Prerequisite(s) MATH 98. 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.

TMATH 122 - Electronics Math 2

4 Unit(s) Prerequisite(s) TMATH 121. 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.

MECHATRONICS

MEC 105 - Industrial Computer Operations

2 Unit(s) Best practices for computer operations in an industrial environment. Topics include Microsoft Windows operating system navigation, hardware maintenance and various industrial software interfaces. Lab fee $33.50.

MEC 116 - AC/DC Electronics

4 Unit(s) Prerequisite(s) MATH 098 or equivalent. Basic analysis and troubleshooting of Direct and Alternating current circuits including Ohm's Law, Watt's Law, and Kirchoff's Laws; devices such as resistors, capacitors, and transformers are studied. Lab fee $67.

MEC 120 - Machine Tool Operation

6 Unit(s) Introduction to machining operations. Emphasis on safe application of the most common machining procedures and machines used by multi-skilled industrial maintenance technicians. Lab fee $100.50.

MEC 151 - Mechanical Systems

5 Unit(s) Introduction to mechanical system components and safe operation of mechanical drive systems. Simple machines, basic drive systems and operation of various tools will be studied. Lab fee $83.75.

MEC 152 - Power Transmission

3 Unit(s) Prerequisite(s) MEC 151. Continuation of MEC 151, course includes study of power transmission components including bearings, brakes and gear systems. Concepts will also include vibration analysis, heat control and maintenance, and gear/cam systems. Lab fee $50.25.

MEC 153 - Hydraulic Systems

5 Unit(s) Introduction to fluid power - hydraulics and pneumatics. Safe operation of fluid systems will be

emphasized. Course covers fluid characteristics, component symbols, control valves, pumps and reservoirs. Lab fee $83.75.

MEC 154 - Electro hydraulics

4 Unit(s) Prerequisite(s) MEC 153. Continuation of MEC 153. Fluid power transfer and electrohydraulic fluid systems. Components studied will include pipes and hoses, pressure regulators, pressure and flow sensors, and electrical control systems. Heavy emphasis on troubleshooting. Lab fee $67.

MEC 155 - Preventative Maintenance

3 Unit(s) Prerequisite(s) MEC 151. Basic preventive and predictive maintenance procedures. Topics include facility upkeep, safety monitoring and risk management, teardown and inspection techniques, and technologies used in PM procedures. Lab fee $50.25.

MEC 190 - Coop Work Experience

1 to 12 Unit(s) Prerequisite(s) Instructor permission and Coop Work Experience Seminar. Education through experience in an industrial automated facility. Students will learn safe work habits and proper workplace procedures and interaction strategies under the instruction of workplace supervisor.

MEC 220 - Sensors and Instruments

5 Unit(s) Prerequisite(s) MEC 151. Examination of sensors and diagnostic tools used in industrial environments. Electrical and mechanical measurement instruments will be studied and troubleshooting steps performed to prove competency. Control systems will also be studied. Prerequisite MEC 151. Lab fee $83.75.

MEC 250 - Industrial Electronics

2 Unit(s) Prerequisite(s) MEC 116 or equivalent knowledge of AC electricity. Study of electricity in an industrial facility. Topics covered will focus on 3-phase power analysis and motion control devices including motors, motor drivers and controls. Lab fee $33.50.

MEC 260 - Allen Bradley Plcs

5 Unit(s) Study of Allen Bradley programmable logic controllers. Input and output modules will communicate with peripheral devices such as sensors, motors, lights and relays. Heavy emphasis on ladder logic, safety, troubleshooting and efficiency. Lab fee $83.75.

MEC 261 - Siemens PLCS

3 Unit(s) Prerequisite(s) MEC 260. Study of Siemens programmable logic controllers. Siemens SIMATIC equipment and STEP7 software will be used to construct basic PLC systems. Heavy emphasis on Siemens ladder logic, safety, troubleshooting and efficiency. Lab fee $50.25.

MEC 270 - Industrial Robotics

5 Unit(s) Survey of robotics used in industry. Heavy emphasis on safe handling and work cell safety. Programming features include teaching points, program structure and device interfaces. Course includes Fanuc Corporation Certified Education Robot Training (CERT) Certification. Lab fee $83.75.

MEDICAL ASSISTANT

M A 130 - Medical Math

5 Unit(s) Prerequisite(s) MATH 96 or equivalent. 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.

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) Prerequisite(s) Acceptance into 2nd year MA program. 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.

M A 241 - M A Clinical Procedures

7 Unit(s) Prerequisite(s) Acceptance into a 2nd year MA. 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.

M A 242 - Medical Administration

7 Unit(s) Prerequisite(s) Acceptance into a 2nd year MA program. An overview of pharmacology and medication administration as it applies to the medical assistant's responsibilities in ambulatory care. Lab fee $65.

M A 243 - MA Clinical Procedure II

6 Unit(s) Prerequisite(s) MA 242, MA 246 with a 2.5GPA or higher. 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.

M A 244 - MA Externship Seminar

1 Unit(s) Prerequisite(s) MA 242, MA 246 with a 2.5 GPA or higher. 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.

M A 245 - MA Clinical Externship

6 Unit(s) Prerequisite(s) MA 242, MA 246 with a 2.5 GPA or higher. 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 $17.35.

M A 246 - MA Laboratory Procedures

10 Unit(s) Prerequisite(s) Acceptance into 2nd year MA program. Overview of laboratory procedures and regulations for the ambulatory health care setting, including phlebotomy training. Lab fee $53.16.

M A 249 - MA Admin Procedures

8 Unit(s) Prerequisite(s) Acceptance into 2nd year MA program. 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.

MUSIC

MUSC 100 - Fundamentals of Music (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** Introduction to the elements of music theory, including scales, intervals, keys, triads, elementary ear training, notation, meter and rhythm.

MUSC 101 - Music History (D) (H)

5 Unit(s) Distribution Requirement(s): Humanities, Diversity; **ICRC Approved Elective.** 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.

MUSC& 105 - Music Appreciation (D) (H)

5 Unit(s) Distribution Requirement(s): Humanities, Diversity; **ICRC Approved Elective.** Developing an understanding of music through the study of musical elements and cultural contexts.

MUSC 118 - Musical Theatre (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

MUSC 124 - Jazz Ensemble I (AE)

2 Unit(s) ICRC Approved Elective. 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.

MUSC 125 - Jazz Ensemble II (AE)

2 Unit(s) Prerequisite(s) MUSC 124. **ICRC Approved Elective.** 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. (Academic Elective) Lab fee $17.49.

MUSC 126 - Jazz Ensemble III (AE)

2 Unit(s) Prerequisite(s) MUSC 125. **ICRC Approved Elective.** 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.

MUSC 127 - Jazz Ensemble IV (AE)

2 Unit(s) Prerequisite(s) MUSC 126. **ICRC Approved Elective.** 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.

MUSC 128 - Jazz Ensemble V (AE)

2 Unit(s) Prerequisite(s) MUSC 127. **ICRC Approved Elective.** 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.

MUSC 129 - Jazz Ensemble VI (AE)

2 Unit(s) Prerequisite(s) MUSC 128. **ICRC Approved Elective.** 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.

MUSC 135 - Beginning Guitar (AE)

2 Unit(s) ICRC Approved Elective. Presents the basic skills for reading and techniques needed to play the guitar. Intended for students with little or no background in guitar performance. Students must supply their own acoustic guitar.

MUSC 139 - Music of The World (D)(H)

5 Unit(s) Prerequisite(s) Proficiency in reading, grammar skills. **Distribution Requirement(s):** Humanities, Diversity; **ICRC Approved Elective.** 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.

MUSC 140 - History of American Music (D) (H)

5 Unit(s) Distribution Requirement(s): Humanities, Diversity; **ICRC Approved Elective.** This course offers students a thorough and general study of American Music from Tin Pan Alley to the first part of the 21st Century.

MUSC& 141 - Music Theory I (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

MUSC& 142 - Music Theory II (H)

5 Unit(s) Prerequisite(s) MUSC& 141. **Distribution Requirement(s):** Humanities. 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.

MUSC& 143 - Music Theory III

5 Unit(s) Prerequisite(s) MUSC& 142. 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.

MUSC 144 - Concert Choir I (AE)

2 Unit(s) ICRC Approved Elective. A vocal ensemble performing both sacred and secular music literature. Availability for up to two evening performances is required. Lab fee $17.49.

MUSC 145 - Concert Choir II (AE)

2 Unit(s) ICRC Approved Elective. A vocal ensemble performing both sacred and secular music literature. Availability for up to two evening

performances is required. (Academic Elective) Lab fee $17.49.

MUSC 146 - Concert Choir III (AE)

2 Unit(s) ICRC Approved Elective. A vocal ensemble performing both sacred and secular music literature. Availability for up to two evening performances is required.(Academic Elective) Lab fee $17.49.

MUSC 147 - Concert Choir IV (AE)

2 Unit(s) ICRC Approved Elective. A vocal ensemble performing both sacred and secular music literature. Availability for up to two evening performances is required. (Academic Elective) Lab fee $17.49.

MUSC 148 - Concert Choir V (AE)

2 Unit(s) ICRC Approved Elective. A vocal ensemble performing both sacred and secular music literature. Availability for up to two evening performances is required. (Academic Elective) Lab fee $17.49.

MUSC 149 - Concert Choir VI (AE)

2 Unit(s) ICRC Approved Elective. A vocal ensemble performing both sacred and secular music literature. Availability for up to two evening performances is required. (Academic Elective) Lab fee $17.49.

MUSC 150 - Applied Flute (AE)

1 Unit(s) Corequisite(s): Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 151 - Functional Piano I (AE)

1 Unit(s) Corequisite(s): Simultaneous enrollment in music theory class. **ICRC Approved Elective.** Functional piano study/skill for music majors. A practical course to accompany the music theory courses.

MUSC 152 - Functional Piano II(AE)

1 Unit(s) Prerequisite(s) MUSC 151 or instructor permission. **Corequisite(s):** Simultaneous enrollment in music theory class. **ICRC Approved Elective.** Functional piano study/skill for music majors. A practical course to accompany the music theory courses.

MUSC 153 - Functional Piano III (AE)

1 Unit(s) Prerequisite(s) MUSC 152 or instructor permission. **Corequisite(s):** Simultaneous enrollment in music theory class. **ICRC Approved Elective.** Functional piano study/skill for music majors. A practical course to accompany the music theory courses. (Academic Elective)

MUSC 154 - Applied French Horn (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 155 - Applied Trumpet (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 156 - Applied Trombone (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 157 - Applied Tuba (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 158 - Applied Euphonium (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 159 - Applied Percussion (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 160 - Applied Piano (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 161 - Applied Violin (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 162 - Applied Viola (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 163 - Applied Cello (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 164 - Applied Double Bass (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 165 - Applied Guitar (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.**
This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission

and/or audition required. (Academic Elective) Lab fee $300.

MUSC 166 - Applied Saxophone (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 167 - Applied Voice (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 168 - Applied Composition (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 169 - Applied Clarinet (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 170 - Applied Oboe (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 171 - Applied Bassoon (AE)

1 Unit(s) Prerequisite(s) Instructor permission and/or audition required. **Corequisite(s):** Ensemble and/or music theory. **ICRC Approved Elective.** This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Instructor's permission and/or audition required. (Academic Elective) Lab fee $300.

MUSC 172 - Applied Harp (AE)

1 Unit(s) Prerequisite(s) Ensemble and/or music theory, and instructor permission.
ICRC Approved Elective.

This course teaches performance skills to students majoring in music. Musical literature from various style periods and composers will be selected to acquaint the student with a wide range of repertoire written for the instrument. Lab fee $300.

MUSC 175 - Community Band I (AE)

2 Unit(s) ICRC Approved Elective. 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.

MUSC 176 - Community Band II (AE)

2 Unit(s) ICRC Approved Elective. 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.

MUSC 177 - Community Band III (AE)

2 Unit(s) ICRC Approved Elective. 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.

MUSC 178 - Community Band IV (AE)

2 Unit(s) ICRC Approved Elective. 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.

MUSC 179 - Community Band V (AE)

2 Unit(s) ICRC Approved Elective. 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.

MUSC 180 - Community Band VI (AE)

2 Unit(s) ICRC Approved Elective. 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.

MUSC 185 - Community Orchestra I (AE)

2 Unit(s) ICRC Approved Elective. 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.

MUSC 186 - Community Orchestra II (AE)

2 Unit(s) ICRC Approved Elective. 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.

MUSC 187 - Community Orchestra III (AE)

2 Unit(s) ICRC Approved Elective. 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.

MUSC 188 - Community Orchestra IV (AE)

2 Unit(s) ICRC Approved Elective. 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.

MUSC 189 - Community Orchestra V (AE)

2 Unit(s) ICRC Approved Elective. 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.

MUSC 190 - Community Orchestra VI (AE)

2 Unit(s) ICRC Approved Elective. 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.

MUSC 220 - Applied French Horn II

1 Unit(s) Prerequisite(s) MUSC 154. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. Musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 221 - Applied Flute II

1 Unit(s) Prerequisite(s) MUSC 150. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 222 - Applied Trumpet II

1 Unit(s) Prerequisite(s) MUSC 155. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 223 - Applied Trombone II

1 Unit(s) Prerequisite(s) MUSC 156. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 224 - Applied Tuba II

1 Unit(s) Prerequisite(s) MUSC 157. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 225 - Applied Euphonium II

1 Unit(s) Prerequisite(s) MUSC 158. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 226 - Applied Percussion

1 Unit(s) Prerequisite(s) MUSC 159. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 227 - Applied Piano II

1 Unit(s) Prerequisite(s) MUSC 160. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 228 - Applied Violin II

1 Unit(s) Prerequisite(s) MUSC 161. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 229 - Applied Viola II

1 Unit(s) Prerequisite(s) MUSC 162. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 230 - Applied Cello II

1 Unit(s) Prerequisite(s) MUSC 163. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 231 - Applied Double Bass II

1 Unit(s) Prerequisite(s) MUSC 164. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 232 - Applied Guitar II

1 Unit(s) Prerequisite(s) MUSC 165. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 233 - Applied Saxophone II

1 Unit(s) Prerequisite(s) MUSC 166. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 234 - Applied Voice II

1 Unit(s) Prerequisite(s) MUSC 167. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 235 - Applied Composition II

1 Unit(s) Prerequisite(s) MUSC 168. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 236 - Applied Clarinet II

1 Unit(s) Prerequisite(s) MUSC 169. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 237 - Applied Oboe II

1 Unit(s) Prerequisite(s) MUSC 170. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 238 - Applied Bassoon II

1 Unit(s) Prerequisite(s) MUSC 171. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC 239 - Applied Harp II

1 Unit(s) Prerequisite(s) MUSC 172. **ICRC Approved Elective.** This course teaches second-year level performance skills to majors. musical literature from various style periods and composers will acquaint students with a wide range of repertoire for the instrument. Instructor permission and/or audition required. Lab fee $300.

MUSC& 241 - Music Theory IV (H)

5 Unit(s) Prerequisite(s) MUSC& 143. **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** A study of musical concepts, such as modulation, binary and ternary forms, and contrapuntal genres, including fugues and inventions.

MUSC& 242 - Music Theory V (H)

5 Unit(s) Prerequisite(s) MUSC& 241. **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** A study of musical concepts, such as mode mixture, Neapolitan and Augmented Sixth chords, chromatic modulation, popular music and song forms, variation, Sonata and Rondo form.

MUSC& 243 - Music Theory VI (H)

5 Unit(s) Prerequisite(s) MUSC& 242. **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** A study of musical concepts, focused on techniques and methods of the 20th and 21st century.

MUSC 244 - Performance Ensemble I (AE)

1 Unit(s) Prerequisite(s) By audition only. **ICRC Approved Elective.** An ensemble is for the advanced performer (Instrumentalists or Vocalists). Music reading is imperative. Will perform many styles of music. Concert performances will be both on and off campus and/or tour. By audition ONLY.

MUSC 245 - Performance Ensemble II (AE)

1 Unit(s) Prerequisite(s) By audition only. **ICRC Approved Elective.** An ensemble is for the advanced performer (Instrumentalists or Vocalists). Music reading is imperative. Will perform many styles of

music. Concert performances will be both on and off campus and/or tour. By audition ONLY.

MUSC 246 - Performance Ensemble III (AE)

1 Unit(s) Prerequisite(s) By audition only. **ICRC Approved Elective.** An ensemble is for the advanced performer (Instrumentalists or Vocalists). Music reading is imperative. Will perform many styles of music. Concert performances will be both on and off campus and/or tour. By audition ONLY.

MUSC 247 - Performance Ensemble IV (AE)

1 Unit(s) Prerequisite(s) By audition only. **ICRC Approved Elective.** An ensemble is for the advanced performer (Instrumentalists or Vocalists). Music reading is imperative. Will perform many styles of music. Concert performances will be both on and off campus and/or tour. By audition ONLY.

MUSC 248 - Performance Ensemble V (AE)

1 Unit(s) Prerequisite(s) By audition only. **ICRC Approved Elective.** An ensemble is for the advanced performer (Instrumentalists or Vocalists). Music reading is imperative. Will perform many styles of music. Concert performances will be both on and off campus and/or tour. By audition ONLY.

MUSC 249 - Performance Ensemble VI (AE)

1 Unit(s) Prerequisite(s) By audition only. **ICRC Approved Elective.** An ensemble is for the advanced performer (Instrumentalists or Vocalists). Music reading is imperative. Will perform many styles of music. Concert performances will be both on and off campus and/or tour. By Audition ONLY.

MUSC 250 - Musical Theatre Production I (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

MUSC 251 - Musical Theatre Production II (AE)

5 Unit(s) Prerequisite(s) By audition only. **ICRC Approved Elective.** The student will continue to study the audition process, the effect of musical choreography, the historical setting of work chosen, musical score and dialogue.

MUSC 254 - Vocal Ensemble I (AE)

2 Unit(s) Prerequisite(s) By audition only. **ICRC Approved Elective.** A small vocal ensemble that prepares and performs chamber works, and contemporary vocal literature. Placement is by audition only. Auditions will take place during the first scheduled class. (Academic Elective)

MUSC 255 - Vocal Ensemble II(AE)

2 Unit(s) Prerequisite(s) By audition only. **ICRC Approved Elective.** A small vocal ensemble that prepares and performs chamber works, and contemporary vocal literature. Placement is by audition only. Auditions will take place during the first scheduled class.

MUSC 256 - Vocal Ensemble III (AE)

2 Unit(s) Prerequisite(s) By audition only. **ICRC Approved Elective.** A small vocal ensemble that prepares and performs chamber works, and contemporary vocal literature. Placement is by audition only. Auditions will take place during the first scheduled class.

MUSC 257 - Vocal Ensemble IV (AE)

2 Unit(s) Prerequisite(s) By audition only. **ICRC Approved Elective.** A small vocal ensemble that prepares and performs chamber works, and contemporary vocal literature. Placement is by audition only. Auditions will take place during the first scheduled class.

MUSC 258 - Vocal Ensemble V (AE)

2 Unit(s) Prerequisite(s) By audition only. **ICRC Approved Elective.** A small vocal ensemble that prepares and performs chamber works, and contemporary vocal literature. Placement is by audition only. Auditions will take place during the first scheduled class.

MUSC 259 - Vocal Ensemble VI (AE)

2 Unit(s) Prerequisite(s) By audition only. **ICRC Approved Elective.** A small vocal ensemble that prepares and performs chamber works, and contemporary vocal literature. Placement is by audition only. Auditions will take place during the first scheduled class.

MUSC 276 - Computer Music (AE)

3 Unit(s) ICRC Approved Elective. A course focused on the creation of music using digital software on computers and/or other electronic devices. Lab fee $75.

MUSC 281 - Instrumental Improvisation I (AE)

2 Unit(s) ICRC Approved Elective. An historical study of improvisation in instrumental styles: Dixieland, jazz, and contemporary popular music. Course will involve stylistic and chordal analysis as well as performance on the students major instrument. Lab fee $17.50.

MUSC 282 - Instrumental Improvisation II (AE)

2 Unit(s) ICRC Approved Elective. An historical study of improvisation in instrumental styles: Dixieland, jazz, and contemporary popular music. Course will involve stylistic and chordal analysis as well as performance on the students major instrument. Lab fee $17.50.

MUSC 283 - Instrumental Improvisation III (AE)

2 Unit(s) ICRC Approved Elective. An historical study of improvisation in instrumental styles: Dixieland, jazz, and contemporary popular music. Course will involve stylistic and chordal analysis as well as performance on the students major instrument. Lab fee $17.50.

MUSC 284 - Instrumental Improvisation IV (AE)

2 Unit(s) ICRC Approved Elective. An historical study of improvisation in instrumental styles: Dixieland, jazz, and contemporary popular music. Course will involve stylistic and chordal analysis as well as performance on the students major instrument. Lab fee $17.50.

MUSC 285 - Instrumental Improvisation V (AE)

2 Unit(s) ICRC Approved Elective. An historical study of improvisation in instrumental styles: Dixieland, jazz, and contemporary popular music. Course will involve stylistic and chordal analysis as well as performance on the students major instrument. Lab fee $17.50.

MUSC 286 - Instrumental Improvisation VI (AE)

2 Unit(s) ICRC Approved Elective. An historical study of improvisation in instrumental styles: Dixieland, jazz, and contemporary popular music. Course will involve stylistic and chordal analysis as well as performance on the students major instrument. Lab fee $14.50.

NURSING

NURS 101 - Basic Nursing Care Concepts

8 Unit(s) Prerequisite(s) Admission into Centralia College Nursing Program. **Corequisite(s):** NURS 111. Introduction to the role of the nurse, the nursing process, and continuum of care. Professional identity, nursing scope of practice, comprehensive health assessment, infection control, skin integrity, mobility, pain and comfort, and care management are addressed in depth. Lab fee $501.83.

NURS 102 - Common Alterations in Health I

7 Unit(s) Prerequisite(s) NURS 101, NURS 111. **Corequisite(s):** NURS 112. 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 $501.83.

NURS 103 - Common Alterations in Health II

7 Unit(s) Prerequisite(s) NURS 102 , NURS 112. **Corequisite(s):** NURS 113. 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 $501.83.

NURS 108 - Electrocardiography for Health Care Professional

2 Unit(s) Corequisite(s): RN, LPN, or nursing student or instructor permission. Review of cardiac anatomy and physiology; ECG equipment operation and supplies; patient preparation; ECG testing procedure; rhythm recognition and interpretation; cardiovascular disorders; pharmacology in ECG testing. Includes hands on ECG training and practice. Lab fee $10.87.

NURS 111 - Basic Nursing Care Concepts Practicum

4 Unit(s) Prerequisite(s) Admission into Centralia College Nursing Program. **Corequisite(s):** NURS 101. 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 $220.13.

NURS 112 - Common Alterations in Health I Practicum

5 Unit(s) Prerequisite(s) NURS 101 , NURS 111. **Corequisite(s):** NURS 102. 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.

NURS 113 - Common Alterations in Health II Practicum

5 Unit(s) Prerequisite(s) NURS 102 , NURS 112. **Corequisite(s):** NURS 103. 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.

NURS 200 - LPN to RN Transition

2 Unit(s) Explores LPN and RN roles and responsibilities. Centralia college Nursing Program philosophy, purpose, conceptual framework, and outcome criteria as presented in the Student-Faculty Handbook are reviewed. An orientation to clinical facilities and classroom, campus, and off-campus lab expectations are included. Lab fee $13.54.

NURS 201 - Mental Health and Lifespan

7 Unit(s) Prerequisite(s) Admission into Centralia College Nursing Program. **Corequisite(s):** NURS 211. 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.

NURS 202 - Complex Alterations in Health

7 Unit(s) Prerequisite(s) NURS 201 and NURS 211. **Corequisite(s):** NURS 212. 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.

NURS 203 - Complex Management

8 Unit(s) Prerequisite(s) NURS 202, NURS 212. **Corequisite(s):** NURS 222. 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

NURS 210 - Basic Life Support for Healthcare Providers

1 Unit(s) Prerequisite(s) Admission to the nursing program or instructor permission. 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 $36.52.

NURS 211 - Mental Health and Lifespan Practicum

5 Unit(s) Prerequisite(s) Admission into Centralia College Nursing Program. **Corequisite(s):** NURS 201. 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: $190.13.

NURS 212 - Complex Alterations in Health Practicum

5 Unit(s) Prerequisite(s) NURS 201 , NURS 211. **Corequisite(s):** NURS 202. 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.

NURS 220 - Management & Leadership

2 Unit(s) Prerequisite(s) NURS 101, 102 & 103 or equivalent. **Corequisite(s):** NURS 201. Expands on the program theme of the role of the nurse to provide a stronger theoretical foundation for assuming a management and leadership role in a variety of care settings. Lab fee $54.16.

NURS 222 - Transition to Practice

4 Unit(s) Prerequisite(s) NURS 202, NURS 212. **Corequisite(s):** NURS 203. 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.

NURSING ASSISTANT

HLSV 100 - Home Care Aide

7 Unit(s) Home Care Aides provide personal care for vulnerable individuals. Upon successful completion of the DSHS-approved course, graduates are eligible for the WA state HCA competency exam. HCA's must have a favorable background check. RCW 18.130.064. Lab fee $183.50.

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 122 - Calculation and Vocabulary for Healthcare Profess

4 Unit(s) Will use a team teaching approach to give students the basic calculations and vocabulary skills needed to enter the healthcare field including the abbreviations and formulas commonly used in the NAC profession. Lab fee $9.66.

HLSV 130 - Basic Fundamentals of Caregiving

2 Unit(s) Focus is on the requirements for basic caregiving. Topics include client rights, communication, problem solving skills, and protecting the health and safety of residents. Lab fee $12.74.

HLSV 131 - Nursing Assistant - Certified

12 Unit(s) Prerequisite(s) Favorable background check to participate in clinicals. **Corequisite(s):** HLSV 110. **Distribution Requirement(s):** Health & Fitness. 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.

HLSV 132 - Nurse Delegation

2 Unit(s) Class for Washington caregivers who work or will work with specific populations in community-based care settings. Course covers laws pertaining to delegation and hands-on skills. Lab fee $45.

HLSV 133 - Mental Health 1

1 Unit(s) Course identifies types of mental illness and common signs and symptoms. Learn capable caregiving for mental wellness. A DSHS curriculum that meets population specific training requirements. Lab fee $15.

HLSV 134 - Dementia 1

1 Unit(s) Learn how dementia affects a person's body and mind. This basic understanding is the foundation on which to build skills needed to provide the best care for people with dementia. Lab fee $15.

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) Prerequisite(s) Healthcare provider CPR or instructor permission. 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 $985.

HLSV 163 - Emergency Medical Responder

5 Unit(s) Prerequisite(s) 18 years old, affiliated with Lewis County EMS, valid driver's license. This course prepares students for certification as an Emergency Medical Responder in the State of Washington. Both lecture and practical training are used to teach important aspects of basic pre-hospital care. Lab fee $48.17.

NUTRITION

NUTR& 101 - Nutrition (NS)

5 Unit(s) Prerequisite(s) High school-level biology or chemistry. **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** An exploration of human nutrition with an emphasis on metabolism, digestion, dietary planning and analysis, and weight control.

NUTR 103 - Introduction Food Science w/Lab (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** Introduction to the biology, chemistry, microbiology, ethics, history, preparation, and production of food. Includes independent laboratories and field trips. Lab fee $18.46.

NUTR 202 - Nutritional Laboratory (AE)

1 Unit(s) Prerequisite(s) NUTR 201, HLTH 140 or permission of instructor. **ICRC Approved Elective.** Consumer-oriented labs will teach students how to analyze their diet, apply nutrition knowledge to menu planning and reading food and supplement labels.

NUTR 203 - Issues In Nutrition (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** Examines the interrelationship between diet and individual lifestyles with regard to health risks during all stages of life.

OCEANOGRAPHY

OCEA& 101 - General Oceanography (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** 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. Lab fee $17.94.

OPEN DOOR

OD 001 - Portfolio & English

1 to 10 Unit(s) Prerequisite(s) Acceptance into program. 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. Course requisite: Acceptance into program.

OD 002 - CWP, Environmental Science, English

1 to 10 Unit(s) Prerequisite(s) Acceptance into program. 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. Course requisite: Acceptance into program.

OD 003 - Life Science & English

1 to 10 Unit(s) Prerequisite(s) Acceptance into program. 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. Course requisite: Acceptance into program.

OD 004 - OCC Education & English

1 to 10 Unit(s) Prerequisite(s) Acceptance into program. 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. Course requisite: Acceptance in program.

OD 005 - US History, Government, FA, English

1 to 10 Unit(s) Prerequisite(s) Acceptance into program. 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. Course requisite: Acceptance into program.

OD 006 - WA State History, English

1 to 10 Unit(s) Prerequisite(s) Acceptance into program. 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. Course requisite: Acceptance into program.

OD 007 - Health, Fitness & English

1 to 10 Unit(s) Prerequisite(s) Acceptance into program. 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. Course requisite: Acceptance into program.

OD 008 - Algebra I

1 to 5 Unit(s) Prerequisite(s) Acceptance into program. High School course in Algebra 1 which students complete in fulfillment of one's high school diploma competencies and graduation requirements. Course requisite: Acceptance into program.

OD 009 - Algebra 2

1 to 5 Unit(s) Prerequisite(s) Acceptance into program. High School course in Algebra 2 which students complete in fulfillment of one's high school diploma competencies and graduation requirements. Course requisite: Acceptance into program.

OD 010 - Geometry

1 to 5 Unit(s) Prerequisite(s) Acceptance into program.
High School course in Geometry which students complete in fulfillment of one's high school diploma competencies and graduation requirements. Course requisite: Acceptance into program.

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) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** Investigate the assumptions philosophers have made about reality, knowledge, truth, God, morality, social construction, freedom and paternalism.

PHIL 103 - Introduction to Ethics (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** Focus on choices made in concrete circumstances. Study traditional ethical theories and present-day moral dilemmas.

PHLEBOTOMY

PHLE 131 - Intro to Phlebotomy

6 Unit(s) Prerequisite(s) M A 139 Medical Terminology, BIOL& 170 Human Biology. 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.

PHLE 132 - Advanced Phlebotomy

8 Unit(s) Prerequisite(s) PHLE 131 with a 2.5 GPA or higher. 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.

PHLE 201 - Phlebotomy for Healthcare 1

6 Unit(s) Prerequisite(s) Healthcare provider license MA, RN, NA-C. 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.

PHLE 202 - Phlebotomy for Healthcare 2

8 Unit(s) Prerequisite(s) PHLE 201 with a 2.5 GPA or higher and healthcare license. 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.

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 103 - Basketball

1 Unit(s) This course will cover the basic skills and techniques of basketball. Includes team defense and team offense. Lab fee $3.10.

P E 107 - Cycling Basics (HF)

2 Unit(s) Distribution Requirement(s): Health & Fitness. 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.

P E 108 - Soccer Fundamentals

1 Unit(s) This course will cover the basic skills and techniques of soccer. Includes team defense and team offense. Lab fee $3.10.

P E 109 - Golf

1 Unit(s) Instructions for beginners, fundamentals, rules, and etiquette. Off campus but first class will meet in MSG 103. Lab fee $49.47.

P E 110 - Physical Fitness (HF)

1 Unit(s) Distribution Requirement(s): Health & Fitness. 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.

P E 111 - Fitness In The Workplace (HF)

1 to 2 Unit(s) Distribution Requirement(s): Health & Fitness. Course will increase cardiovascular endurance, flexibility, and increase strength. Students will develop and conduct their own personal fitness program. Lab fee $3.10.

P E 113 - Beginning Tennis

1 Unit(s) Instruction for beginners in fundamentals of the game. Rules and court etiquette. Lab fee $3.10.

P E 115 - Volleyball

1 Unit(s) This course will cover the fundamental skills and techniques of beginning volleyball. Includes basic rules, scoring and strategy. Lab fee $3.10.

P E 120 - Lifestyle Management & Exercise (HF)

2 Unit(s) Distribution Requirement(s): Health & Fitness. Designed to assist individual in making lifestyle changes associated with health and fitness. Lab fee $3.10.

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) Distribution Requirement(s): Health & Fitness. 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.

P E 130 - Basketball Applications

3 Unit(s) Prerequisite(s) PE 103, 167 or instructor permission. A course designed to provide experience in advanced strategies, fundamental skills, and team concepts of basketball. Lab fee $3.10.

P E 140 - Boot Camp Basics (HF)

1 Unit(s) Distribution Requirement(s): Health & Fitness. A high-impact exercise class designed to improve muscle strength, endurance, flexibility and aerobic capacity. lab fee $3.10.

P E 141 - Elite Fitness

1 Unit(s) Prerequisite(s) Instructor permission. 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.

P E 142 - Cardio Conditioning (HF)

1 Unit(s) Distribution Requirement(s): Health & Fitness. 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.

P E 150 - Yoga (HF)

1 Unit(s) Distribution Requirement(s): Health & Fitness. 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.

P E 151 - Aerobic Fitness/Walking (HF)

1 Unit(s) Distribution Requirement(s): Health & Fitness. A fitness program emphasizing aerobic activities only. Designed to develop cardiovascular endurance, flexibility and body composition. Lab fee $3.10.

P E 152 - Pilates/Core (HF)

1 Unit(s) Distribution Requirement(s): Health & Fitness. An exercise class designed to teach breathing with movement, body mechanics, balance, coordination, spatial awareness, strength and flexibility. Lab fee $3.10.

P E 153 - Tai Chi Basics (HF)

1 Unit(s) Distribution Requirement(s): Health & Fitness. 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.

P E 158 - Beginning Tae Kwon Do (HF)

2 Unit(s) Distribution Requirement(s): Health & Fitness Distribution. 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.

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 162 - Softball Fundamentals

1 Unit(s) A mental and physical approach to the fundamentals of fastpitch softball. An emphasis will be placed on the basic skills and concepts needed to play the game effectively. Lab fee $3.10.

P E 165 - Softball Applications I

3 Unit(s) Learn how to apply the fundamentals of softball in game like situations. Lab fee $3.10.

P E 166 - Baseball Fundamentals

1 Unit(s) On-the-field practice in development of the basic fundamentals of baseball. Emphasis on basic skills and conditioning. Lab fee $15.65.

P E 167 - Basketball Fundamentals

1 Unit(s) This course will implement basic fundamentals with theory of various phases of the game. Conditioning for a lifetime activity is an important aspect of the course. Lab fee $3.10.

P E 168 - Lifetime Fitness (HF)

2 Unit(s) Distribution Requirement(s): Health & Fitness. 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.

P E 208 - Advanced Soccer Fundamentals

1 Unit(s) Prerequisite(s) PE 108 or instructor permission. This course will review basic skills and techniques of soccer. Included in the course will be advanced skills and techniques along with game strategies, team offense and team defense.

P E 209 - Advanced Golf

1 Unit(s) Prerequisite(s) PE 109 or instructor permission. The course is designed to help the individual develop more advanced skills and strategies of golf. First class meets in Gym. Lab fee $49.47.

P E 210 - Advanced Physical Fitness (HF)

1 Unit(s) Prerequisite(s) PE 110 or instructor permission. **Distribution Requirement(s):** Health & Fitness. 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.

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.

P E 213 - Advanced Tennis

1 Unit(s) For students who are more advanced than the beginning level in tennis. First class will meet in the gym classroom. Borst Court will be used. Lab fee $3.10.

P E 215 - Advanced Volleyball

1 Unit(s) Prerequisite(s) PE 115 or instructor permission. Advanced techniques and skills included in competitive volleyball. Advanced offensive and defensive tactics and strategy will be covered. Lab fee $3.10.

P E 223 - Advanced Weight Training (HF)

1 Unit(s) Prerequisite(s) P E 123. **Distribution Requirement(s):** Health & Fitness. Advanced weight training methods and programs including Olympic lifting and power lifting programs. Lab fee $3.10.

P E 229 - Physical Fitness Concepts (HF)

3 Unit(s) Distribution Requirement(s): Health & Fitness. 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.

P E 230 - Advanced Basketball Applications

3 Unit(s) Prerequisite(s) P E 130 or instructor permission. A course designed to provide experiences in advanced strategies, advanced fundamental skills, and advanced team concepts of basketball. Lab fee $3.10.

P E 231 - Baseball Application II

3 Unit(s) Prerequisite(s) P E 131 or instructor permission. Learn advanced techniques and strategies in a practice or game situation with an advanced emphasis on fundamentals, conditioning, team concept and sportsmanship. Lab fee $18.75.

P E 239 - Advanced Volleyball Applications

3 Unit(s) Provides experiences in advanced techniques and tactics needed to execute advanced team concepts of volleyball. Lab fee $3.10.

P E 251 - Advanced Aerobic Fitness/Walking (HF)

1 Unit(s) Prerequisite(s) P E 151 or instructor permission. **Distribution Requirement(s):** Health & Fitness. Advanced aerobic conditioning class for the well-conditioned aerobic athlete. Lab fee $3.10.

P E 262 - Advanced Softball Fundamentals

1 Unit(s) Continuation of the physical and mental skills needed for playing fastpitch softball. Emphasis will be on a variety of strategies utilized in the game of softball. Lab fee $3.10.

P E 264 - Advanced Softball Theory

3 Unit(s) Prerequisite(s) P E 164. An advanced analysis of the mental approach to the game of softball. An emphasis will be placed on the theories and strategies of fastpitch. Lab fee $3.10.

P E 265 - Softball Applications II

3 Unit(s) Prerequisite(s) P E 165 or instructor permission. Learn how to apply the advanced techniques of softball in game-like situations. Lab fee $3.10.

P E 266 - Advanced Baseball Fundamentals

1 Unit(s) Prerequisite(s) P E 166 or instructor permission. On the field practice in development of the advanced fundamentals of baseball. Emphasis on advanced skills, strategies, and techniques. Lab fee $15.65.

P E 267 - Advanced Basketball Fundamentals

1 Unit(s) Prerequisite(s) P E 167 or instructor permission. More advanced skills practiced. Lab fee $3.10.

PHYSICS

PHYS& 110 - Phys: Non-Sci Majors W/Lab (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** 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.

PHYS& 114 - General Phys I w/Lab (NS)

5 Unit(s) Prerequisite(s) Two years HS algebra and trigonometry or concurrent enrollment in MATH 110. **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** 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

PHYS& 115 - General Phys II W/Lab (NS)

5 Unit(s) Prerequisite(s) PHYS& 114. **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** Fluids, electrostatics, simple circuits, and the fundamental laws of thermodynamics. A continuation of PHYS& 114. Lab fee $17.90.

PHYS& 116 - General Phys III w/Lab (NS)

5 Unit(s) Prerequisite(s) PHYS& 115. **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** 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.

PHYS& 221 - Engineering Physics I (NS)

5 Unit(s) Prerequisite(s) MATH& 151. **Corequisite(s):** MATH& 152. **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** 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.

PHYS& 222 - Engineering Physics II (NS)

5 Unit(s) Prerequisite(s) PHYS& 221 and MATH& 152. **Corequisite(s):** MATH& 153. **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** Wave motion, thermodynamics, and electrostatics. Includes sound, heat transfer, law of thermodynamics, and electric fields. Lab fee $18.68.

PHYS& 223 - Engineering Physics III (NS)

5 Unit(s) Prerequisite(s) PHYS& 222 and MATH& 153. **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** Optics modern physics, electricity and magnetism. Includes geometrical and physical optics, Maxwell's equations, AC/DC circuits and special relativity.

PHYS 270 - Research in Physics (AE)

12 Unit(s) Prerequisite(s) Instructor permission. **ICRC Approved Elective.** 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.

POLITICAL SCIENCE

POLS& 101 - Intro Political Science (SS)

5 Unit(s) Distribution Requirement(s): Social Science. **ICRC Approved Elective.** 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.

POLS& 202 - American Government (SS)

5 Unit(s) Distribution Requirement(s): Social Science; **ICRC Approved Elective.** Students will examine the American political structure and its ideological roots. We will explore how the structure is organized and how it operates.

POLS& 204 - Comparative Government (D) (SS)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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.

POLS 220 - International Terrorism (A)

5 Unit(s) ICRC Approved Elective. 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.

POLS 280 - History of American Foreign Relations (SS)

5 Unit(s) Distribution Requirement(s): Social Science. **ICRC Approved Elective.** 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.

PSYCHOLOGY

PSYC& 100 - General Psychology (SS)

5 Unit(s) Distribution Requirement(s): Social Science; **ICRC Approved Elective.** 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.

PSYC& 200 - Lifespan Psychology (SS)

5 Unit(s) Prerequisite(s) PSYC& 100. **Distribution Requirement(s):** Social Science; **ICRC Approved Elective.** 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.

PSYC 202 - Biopsychology (AE)

5 Unit(s) Prerequisite(s) PSYC& 100. **ICRC Approved Elective.** Biopsychology, studies the branch of neuroscience that explains human behavior in terms of the biology of the brain, including mechanisms that produce motivation, emotion, and aggression.

PSYC 209 - Research Methods (AE)

5 Unit(s) Prerequisite(s) PSYC& 100 MATH& 146. **ICRC Approved Elective.** Overview of scientific method, major research designs, statistical concepts, and utilization of materials related to scientific journals.

PSYC 210 - Introduction to Personality (AE)

5 Unit(s) Prerequisite(s) PSYC& 100 or instructor permission. **ICRC Approved Elective.** 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.

PSYC& 220 - Abnormal Psychology

5 Unit(s) Prerequisite(s) PSYC& 100. **ICRC Approved Elective.** An introduction to the study of abnormal behavior, including behavioral problems, personality disorders and maladjustment, and the study of the causes, diagnoses, and treatment.

PSYC 250 - Social Psychology (AE)

5 Unit(s) Prerequisite(s) PSYC& 100 or instructor permission. **ICRC Approved Elective.** 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.

PSYC 320 - Leadership & Organizational Behavior (SS)

5 Unit(s) Distribution Requirement(s): Social Science; **ICRC Approved Elective.** 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.

PSYC 409 - Positive Psychology, Health and Aging

5 Unit(s) Prerequisite(s) admission in BASBH program. Students examine the foundations of positive psychology and its relationship to healthy aging through PERMA (Positive emotion, Engagement, Relationship, Meaningfulness, and Achievement), and explore positive interventions through theory, research and practice. Presents an overview on aging that includes the social aspects of aging, how personality affects aging, research on learned helplessness and specific techniques to combat depression based on cognitive behavioral therapy.

SCIENCE

SCIE 100 - College & Career Success: STEM

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.

SCIE 104 - Introduction to Physical Science (NS)

5 Unit(s) Distribution Requirement(s): Natural Science; **ICRC Approved Elective.** Study the basic concepts of physical science, learn to apply the scientific method to problem solving and popular science, and apply the scientific methods to a project. Lab fee $27.69.

SCIE 115 - Weather and Climate (NS)

5 Unit(s) Prerequisite(s) MATH 98 or equivalent. **Distribution Requirement(s):** Natural Science; **ICRC Approved Elective.** Study of Earth's atmosphere, atmospheric processes, weather, climate, and climate history. Experience will be provided in weather map interpretation, use of instruments, forecasting, interpretation of past climate conditions, and hands-on dendrochronology. Lab fee $26.09.

SOCIAL STUDIES TEACHERS

SST 365 - Social Studies for Teachers (SS)

5 Unit(s) Prerequisite(s) Admittance into BAS program or administrator approval. **Distribution Requirement(s):** Social Science. 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.

SOCIOLOGY

SOC& 101 - Introduction to Sociology (D)(SS)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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.

SOC 125 - Sociology of the Family (D)(SS)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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.

SOC 150 - Introduction to Social Work (D) (SS)

5 Unit(s) Distribution Requirement(s): Diversity, Social Science; **ICRC Approved Elective.** 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.

SOC 190 - Cooperative Work Experience

1 to 12 Unit(s) 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.** 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.

SOC& 201 - Social Problems (D)(SS)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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.

SOC 225 - Race & Ethnicity (D)(SS)

5 Unit(s) Distribution Requirement(s): Social Science, Diversity; **ICRC Approved Elective.** 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.

SPANISH

SPAN 105 - Spanish for Public Service (AE)

3 Unit(s) ICRC Approved Elective. Basic Spanish to meet the needs of working professionals who wish to communicate with Spanish speaking persons. (Academic Electives)

SPAN 106 - Spanish for Social Services (AE)

3 Unit(s) ICRC Approved Elective. Basic Spanish to meet the needs of working professionals who wish to communicate with Spanish speaking persons. (Academic Elective)

SPAN 107 - Spanish for Social Services (AE)

3 Unit(s) ICRC Approved Elective. Basic Spanish to meet the needs of working professionals who wish to communicate with Spanish speaking persons.

SPAN& 121 - Spanish I (H)

5 Unit(s) Distribution Requirement(s): Humanities; **ICRC Approved Elective.** 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.

SPAN& 122 - Spanish II (H)

5 Unit(s) Prerequisite(s) SPAN& 121 or instructor permission. **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** 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.

SPAN& 123 - Spanish III (H)

5 Unit(s) Prerequisite(s) SPAN& 122 or instructor permission. **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** 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.

SPAN 170 - Latin American Texts (D) (H)

5 Unit(s) Distribution Requirement(s): Humanities, Diversity; **ICRC Approved Elective.** 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.

SPAN 201 - Heritage Spanish I (H)

5 Unit(s) Prerequisite(s) Native or heritage speaker of Spanish, instructor permission required. **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** 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.

SPAN 202 - Heritage Spanish II (H)

5 Unit(s) Prerequisite(s) Native or heritage speaker of Spanish, instructor permission required. **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** 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.

SPAN& 221 - Spanish IV (H)

5 Unit(s) Prerequisite(s) Spanish III or equivalent amount of high school Spanish. **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** Fourth class in sequence. Learn the fundamental skills of listening comprehension, speaking, reading, and writing. Develop an awareness of Spanish speaking countries and their cultures.

SPAN& 222 - Spanish V (H)

5 Unit(s) Prerequisite(s) Spanish IV or equivalent amount of high school Spanish. **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** Fifth class in sequence. Learn the fundamental skills of listening comprehension, speaking, reading, and writing. Develop an awareness of Spanish speaking countries and their cultures.

SPAN& 223 - Spanish VI (H)

5 Unit(s) Prerequisite(s) Spanish V or equivalent amount of high school Spanish. **Distribution Requirement(s):** Humanities; **ICRC Approved Elective.** Sixth class in sequence. Learn the fundamental skills of listening comprehension, speaking, reading, and writing. Develop an awareness of Spanish speaking countries and their cultures.

SPAN 260 - Latin America Field Trip I (D)

5 Unit(s) Prerequisite(s) Instructor permission. **Distribution Requirement(s):** Diversity; **ICRC Approved Elective.** 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.

SPAN 261 - Latin America Field Trip II (D)

5 Unit(s) Prerequisite(s) Instructor permission. **Distribution Requirement(s):** Diversity; **ICRC Approved Elective.** 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.

SPAN 262 - Latin America Field Trip III (D)

5 Unit(s) Prerequisite(s) Instructor permission. **Distribution Requirement(s):** Diversity; **ICRC Approved Elective.** Explore the culture(s) and language(s) of a specific region of Latin America through first-hand experience. Contact instructors of follow Field Trip links on Anthropology or Foreign Language pages of college website for current information.

SPAN 263 - Latin America Field Trip IV (D)

5 Unit(s) Prerequisite(s) Instructor permission. **Distribution Requirement(s):** Diversity; **ICRC Approved Elective.** 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.

SUBSTANCE USE DISORDER PROFESSIONAL

SUDP 100 - Introduction to SUDP

5 Unit(s) ICRC Approved Elective. 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.

SUDP 110 - Counseling Techniques

4 Unit(s) 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. 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.

SUDP 120 - Substance Use & Family

4 Unit(s) 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. 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.

SUDP 130 - Drug & Alcohol Responses

5 Unit(s) 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. 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.

SUDP 200 - Law & Ethics

4 Unit(s) 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. 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.

SUDP 210 - Cultural Diversity

3 Unit(s) 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. Designed to explore self-awareness and improve knowledge and skills of substance use disorder professionals while working with the clients from diverse cultural backgrounds.

SUDP 220 - Counseling Adolescents

5 Unit(s) 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. 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.

SUDP 230 - Assess & Treatment Plans

5 Unit(s) 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. Course introduces students to the current standard used in assessing, diagnosing, and treating those with substance use and co-occurring disorders.

SUDP 240 - Group Counseling

5 Unit(s) 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. 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.

SUDP 250 - Relapse Prevention

2 Unit(s) 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. 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.

SUDP 260 - Supervised Practicum

5 Unit(s) 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. 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.

SUDP 261 - SUDP Capstone

5 Unit(s) Prerequisite(s) Completed or enrolled in final SUDP courses and instructor permission. 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.

INDUSTRIAL TRADES

TRDS 100 - Industrial Safety

5 Unit(s) Theory and application of tools and practices as used in an industrial setting. Students will develop skills and habits as well as safety practices, procedures, and equipment. Basic firefighting equipment and procedures will be included. Lab fee $70.

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 120 - Mechanical Systems

5 Unit(s) Prerequisite(s) MATH 95 or equivalent or instructor permission. **Corequisite(s):** TRDS 100. Application of mathematical operations in relation to Industrial Trades mechanical systems and applying math principles to hands-on experience using tools, measuring devices, and mechanical equipment following industrial safety standards. Lab fee $50.

TRDS 140 - Fluid Systems

5 Unit(s) Prerequisite(s) MATH 095 or equivalent or instructor permission. **Corequisite(s):** TRDS 100 or instructor permission. Application of basic mathematical operations in relation to Industrial Trades. Emphasizes the use of mathematics in hydraulics and pneumatics. Includes hands-on work with hydraulic and pneumatic equipment, following safety standards. Lab fee $50.

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) Prerequisite(s) TRDS 150 or instructor permission. Introduction to computer-aided drafting (CAD), editing, dimensioning, drawing aids, and layer control design used in the industrial trades.

TRDS 180 - Electrical Systems

5 Unit(s) Prerequisite(s) TRDS 100, TRDS 120, or instructor permission. Application of mathematical operations in relation to Industrial Trades electrical systems fundamentals, with hands on lab work using proper tools, meters and electrical equipment, always following industrial safety standards. Lab fee $50.

WELDING

WELD 151 - Welding for Mechanics

5 Unit(s) Prerequisite(s) DET 110 or DET 130 or instructor permission. 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.

WELD 159 - GTAW I

6 Unit(s) Prerequisite(s) WELD 164, WELD 165 and WELD 267. **Corequisite(s):** WELD 195 and WELD 259. 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.

WELD 161 - SMAW I

6 Unit(s) Corequisite(s): WELD 165 and WELD 265. 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.

WELD 164 - FCAW/GMAW I

6 Unit(s) Prerequisite(s) WELD 161, WELD 165 and WELD 265. **Corequisite(s):** WELD 175 and WELD 267. 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.

WELD 165 - SMAW Theory

2 Unit(s) Corequisite(s): WELD 161 and WELD 265. 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.

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) Prerequisite(s) WELD 161, WELD 165 and WELD 265. **Corequisite(s):** WELD 164 and WELD 267. 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.

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) 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. 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 hours on-the-job per quarter.

WELD 195 - GTAW Theory

2 Unit(s) Prerequisite(s) WELD 164 and WELD 267. **Corequisite(s):** WELD 259. 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.

WELD 259 - GTAW II

6 Unit(s) Prerequisite(s) WELD 164 and WELD 267. **Corequisite(s):** WELD 195. Advanced gas tungsten arc welding (GTAW), all position plate and pipe welding. This course prepares welders for WABO certification. Lab Fee: $173.44.

WELD 265 - SMAW II

6 Unit(s) Corequisite(s): WELD 161 and WELD 165. 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.

WELD 267 - FCAW/GMAW II

6 Unit(s) Prerequisite(s) WELD 164 and WELD 165. **Corequisite(s):** WELD 161 and WELD 265. 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.

WELD 268 - Gas Shielded Arc Welding

9 Unit(s) Prerequisite(s) WELD 164 or permission of instructor. **Corequisite(s):** WELD 267. 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.

WELD 269 - Advanced Fabrication

11 Unit(s) Prerequisite(s) WELD 267 with a 2.0 or higher or instructor permission. Blueprint interpretation, layout tools and procedures, oxy-fuel and plasma cutting, fitting, and welding fabrication projects. Lab fee $73.78.

WELD 270 - Advanced Arc Welding

6 Unit(s) Prerequisite(s) WELD 259 or instructor permission. 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.

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) Prerequisite(s) WELD 265 or instructor permission. 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.

WELD 281 - Advanced Gas Metal Arc Welding - Aluminum

5 Unit(s) Prerequisite(s) WELD 165, WELD 181 or prior welding experience with permission of instructor. Provides a thorough understanding of welding safety and gas metal arc welding of aluminum. Lab fee $135.60.

WELD 284 - Arc Certification Theory

1 Unit(s) Corequisite(s): WELD 161 WELD 165 and WELD 265 or instructor permission. 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.

WELD 285 - Arc Welding Certification

5 Unit(s) Prerequisite(s) prior welding experience required. 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). Lab fee $73.78.

WELD 287 - Welding Fabrication

5 Unit(s) Prerequisite(s) prior welding experience required. 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.

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
Institutional Research Executive Director: 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 Benefits & Compensation: Tammy Remund

Instruction

Vice President of Instruction: Connie Smejkal
Executive Assistant to the Vice President: Stephanie Honeycutt
Dean of Arts & Sciences: Young Kim
Dean of Healthcare & Industrial Trades: Elizabeth Lazo
Dean of Transitional Education & CCEast: Liselotte Thompson
Director of Library, eLearning,Teaching & Learning: 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 Bauska

Student Services

Vice President of Student Services: Robert Cox
Executive Assistant to the Vice President: Nicole Zock
Director of Athletics: Joe Chirhart
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
Directors of TRIO Programs: Jason Moir, Kathleen Vodjansky-Ward, Tony Holm

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 Maintenance, Construction, & Security: 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.

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.

Jeanene Bauska (2021), Director of Nursing, Nursing. A.A., Lower Columbia College.

Alexis Besio (2024) Foundation Specialist. B.A., DePaul University.

Jeffrey Birkenstein (2024), Assistant Professor, English. M.A., California State University, Long Beach; M.A. and Ph.D., University of Kentucky.

Eric Blanco (2021), Assistant Director Student Support Services. 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 Boydstun (2023), Assistant Professor, Adult Basic Education.

Francis Bozzolo (2022), Assistant 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 Brown (2022), Assistant Director, Fiscal Services. A.A., Centralia College.

Richard Cowan (2019), Assistant Professor, Construction Trades Apprenticeship Program.

Monica Brummer (2017), Director, Pacific NW Center of Excellence for Clean Energy. B.S., Oregon State University.

Rachel Bryant-Anderson (2019) Assistant 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.

Andrew Burghardt (2021), Video and Photography Production Specialist. B.A., Central Washington University.

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.

Krys Carney (2021), MERIT Program Director, B.A., University of Washington; M.Ed., Seattle University.

Barbara Chapman (2022), MERIT Verification Specialist.

Joe Chirhart (2023), Athletic Director. B.A., St. Martin's University.

Jacob Conrad (2023), Associate Professor, Diesel. A.A.S., Centralia College; B.S., Montana State University - Northern.

Jason Costi (2022), Application Developer/DBA. B.A.S., Centralia College.

Jacob Courcy (2024) Financial Aid Outreach Specialist. B.A., Western Washington University.

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, Energy Technology. B.S. Eastern Oregon University; M.B.A., Marylhurst University.

Jared Cunningham (2022), Campus Safety and Security Manager. 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) Associate Dean of Instruction. A.A., South Puget Sound Community College; B.A.S., Centralia College; M.S., Western Governors University.

Geana Dobyns (2016) Program Manager, ECEAP. A.A., Centralia College; B.A., Eastern Washington University.

Annsofie Eliasson-Creek (2022), Executive Director of 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.

Sariah Flock (2024) Event Services Specialist.

Christine Fossett (2018) Associate Vice President for Advancement. A.A., Centralia College.

Elizabeth Frey (2005), Professor, Art. B.A., The Evergreen State College; M.F.A., University of Washington.

Clifford Frederickson (2023), Director of Budgets, Grants, and Contracts.

Tina Friesz (2023), Director of Food Services.

Lisa Fritch (2022), Assistant 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.

Carlos Garcia (2025) Bilingual Multicultural Outreach Specialist. A.A.S., Airforce Community College; B.A., St. Martins University; M.M.F., Pacific Lutheran University.

Lindsey Garcia (2022), Director, Transitional Studies. B.A.S., Centralia College.

Makayla Garner (2022) Assistant 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; M.S., Washington State University; M.S., Clemson University; Ph.D., Florida Institute of Technology.

Janelle Girt (2008), Director of Instruction. A.T.A., Centralia College.

Graziella Gonzalez (2023), Resources Program Specialist. A.A., Centralia College.

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.

Ann Grande (2018) Assistant Professor, BAS-Teacher Education. B.A., St. Martin's College; M.A., Grand Canyon University.

Teneal Gustafson (2015), Associate Professor, Nursing. A.S., Tacoma Community College; B.S. and M.S., Western Governors University.

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.

Josh Hall (2024) Assistant Professor, Librarian. B.A., The Evergreen State College; M.L.I.S., University of Washington.

Emily Hammargren (2011), Associate Professor, Adult Basic Education. B.A., Webster University; M.Ed., Colorado State University.

Jesse Harlan (2022), Assistant Professor, Computer Science. A.A., Centralia College.

Benjamin Harley (2024) Academic Intervention Specialist/Head Coach. B.A., Oregon State University; M.A., Lewis and Clark 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.

Joseph Hing (2022), Accounts Payable Manager. B.S., Central Washington University; M.B.A., Marylhurst University.

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.

John Holmgren (2024), Director of CC East. A.A.S., Pierce College; B.A., Central Washington University; M.F.A., University of Minnesota, Minneapolis.

Ana Howard (2023), Student Success Specialist. B.A., University of Tennessee at Chattanooga; M.P.H., Andrews University.

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.

Kelley Jones (2022), Assistant Professor/Counselor. B.A., Ursuline College; M.A., St. Martin's College; Psy.D., Antioch University.

Ellen Jung (2023), Assistant Professor, Biology. B.S., M.S., and Ph.D., University of British Columbia.

Clarence Karteh (2014), Running Start Academic Intervention Specialist/Head Coach. A.A., Centralia College; B.A., Eastern Washington University.

Preston Kiekel (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.

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), Dean of Instruction, Career and Technical College. A.A., Centralia College; B.A., Central Washington University; M.B.A., Eastern Washington University.

Brook Leal (2023), Education Specialist.

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.

Timothy Malroy (2022), Assistant Professor. B.A. and M.S., Western Washington University; Ph.D., Grand Canyon University.

Viswa Marella (2023), Institutional Research Analyst. B.S., Vellore Institute of Technology; M.S., Kansas State University.

Jennifer Massey (2021) Education Manager. A.A., Centralia College; B.A., City University; M.Ed., Lesley University.

Sarah "Beth" May (2015), Associate Professor, Music. B.A., University of Illinois; M.A., Yale University; Ph.D., University of Texas.

Frances Mayfield (2019) Business Process Analyst. A.T.A. and B.S., Centralia College.

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.

Jeff McQuarrie (2012), Associate Professor, Communications. B.A., Washington State University; M.S., Northeastern University.

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.

Tionna Miller (2022), Assistant Professor, Criminal Justice. B.A. and M.A., University of Washington.

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), Director of Student Success. A.A., Centralia College; B.A., The Evergreen State College.

Lenore Montalbano (2024), Assistant Professor, Application Development. B.A. and M.S., Florida Atlantic University.

April Morgenroth (2022), Assistant 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.

Jessica O'Hern (2023), Assistant Professor, Business Technology. A.A., Miami Dade College; A.T.A., Centralia College; B.S. and M.Ed., Northern Arizona University.

Heidi Patrick (2024) Director of Enrollment Services. A.A., Pierce College; B.A., Western Washington University.

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), Interim Assistant Director of 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.

Md Ashiqur Rahman (2024) Associate Dean of Corrections. M.Sc., Lund University; Ph.D., University of Arizona.

Tammy Remund (1983), Director of Employee Benefits and Compensation. A.A., Centralia College; B.S., City University.

Dezarae Rodriguez (2024) Reentry Navigator for DOC. Medical Assistant Certificate, Pima Medical Institute.

Lujan Rodriguez (2022), Outreach/Customer Services Specialist. A.A., Centralia College; B.A., Western Washington University.

Lilliam G. Rodriguez (2019) Associate Professor, Economics. B.A. and M.A., University of Puerto Rico; Ph.D., Ana G. Mendez University.

Karen Roman (2024) Education Navigator, Cedar Creek Corrections Center. B.S., San Jose State University.

Heather Scannell Ashton (2019) Program Manager, Children's Lab School. B.A., Mayville State University.

Casey Schmidt (2022), Chief Technology Officer. A.A., Centralia College; B.A., Florida Tech University.

Teresa Schneider (2015), ECEAP and Children's Lab School Program Director. A.A., Whatcom Community College; B.A., St. Martin's University.

Andrea Seabert (2018) Associate Professor/Counselor. B.S., University of Oregon; M.A., University of Washington.

Darcell Scott (2019) Dean of Student Success and Retention. B.L.A., University of Missouri; M.A., Park University.

Brent Shepherd (2022), Navigator/Esports Coordinator. B.A., University of Jamestown.

Torin Shriver (2020), Associate Professor, English Language Acquisition. A.A., Centralia College; B.A., Northern Arizona University; M.A., King's College, London.

Kennedy Simpson (2024) Retention Specialist. A.A. and B.A.S., Centralia College.

Lori Sirs (2024), Assistant Professor, Behavioral Healthcare. B.A., Boise State University; M.S., Boise State University; DSW., University of Tennessee.

Connie Smejkal (2006), Vice President, Instruction. B.S., National American University; M.M., University of Phoenix.

Alexander Solomon (2014), Associate Professor, Art. B.A., Portland State University; M.F.A., Cranbrook Academy of Art.

Lorraine Speer (2014), Assistant Professor, Nursing. B.S., Eastern Washington University; B.S., Intercollege Center for Nursing Education.

Lisa Spitzer (2008), Associate Professor, Developmental Math. B.A. Central Washington University, Math Education; M.A. Grand Canyon University, Teaching.

Emily Sprafka Coleman (2018) Associate Professor, Chemistry. B.S., Hamline University; M.S., University of Washington.

Nikki Sprague (2015) Director of Fiscal and Business Services. A.A. and B.S., Centralia College.

John Steidel (2007) Assistant Professor, Robotics. B.S., United States Merchant Marine Academy.

Syrena Stevens (2021), Program Manager, Garrett Heyns Education Center. A.T.A., Olympic College.

Kyle Sutton (2015) Assistant Professor, Librarian. B.A. and M.A., Humboldt State University; M.L.I.S., University of Washington.

Daniel Taylor (2005), Professor, Mathematics. B.A., The Evergreen State College; M.S., Lehigh University.

Liselotte Thompson (2019), Dean, Transitional Studies and Centralia College East. M.A. and Ed.D., Sam Houston State University.

Michael Threapleton (2004), Associate Professor, Physics/ Math. B.S., University of Leeds, England; M.S., University of Sheffield, England.

Meredith Tummeti (2021), Associate Professor, Librarian. B.A., California State University; M.A., University of Wisconsin.

Alexander Ushman (2023), Assistant Professor, Accounting. B.A., Stony Brook University; M.A., University of Phoenix; Ph.D., Capella University.

Carmen VanTuyl (1997), Associate Professor, Counselor. B.S., Washington State University, M.Ed., Saint Martin's University, Education, Counseling.

Kathleen Vodjansky-Ward (1996), Director, Educational Talent Search and Upward Bound. B.A., Central Washington University; M.Ed., University of Puget Sound, Education with Counseling emphasis.

Theresa Waliezer (2009), Associate Professor, English. B.A., M.A., Washington State University.

Gerald Waring (2024) Blazer Bistro Manager. A.A., Centralia College.

Lisa Welch (2008), Financial Aid Program Specialist. A.A., Centralia College.

Alyssa Wheelan (2024) Interim Talent Search Specialist. B.A., Azusa Pacific University.

Alisha Williams (2015) Assistant Professor, English. A.A., Ashworth College; B.A., University of Bordeaux; M.A., University of Paris III Sorbonne Nouvelle.

Ardella Williams-Nelson (2005), Financial Aid Assistant Director. A.A., Centralia College.

Emily Wilson-Edge (2015), ECEAP Education Manager. B.A., The Evergreen State College.

Amanda Witt (2020) Director of Central Services and Purchasing. A.A., South Puget Sound Community College; B.A. and B.S., The Evergreen State College.

Becky Wood (2024) Director of Workforce Funding. A.A.U.C.T, Skagit Valley College; B.A. and M.S., Western Washington University.

Matthew Young (2019) Associate Professor, English. B.A., Oregon State University; M.A., Miami University.

Roberta Ziegler (1993), Professor, Developmental Math. B.S., California State University-Bakersfield; M.Ed., City University.