CENTRALIA COLLEGE

2013-2014 CATALOG

Welcome to Centralia College

Improving people's lives through lifelong learning

PHONE: (360) 736-9391
For TTY/TDD service, dial (360) 807-6227
TOLL-FREE FROM OLYMPIA: 753-3433
FAX: (360) 330-7501 (Administration)
(360) 330-7502 (Instruction)
(360) 330-7503 (Student Services)
Web site: www.centralia.edu

Centralia College East (Morton)
(360) 496-5022 • (360) 736-9391, ext. 380
701 Airport Way • P.O. Box 147
Morton WA 98356

Centralia College has adopted the following Learning Themes:

1. **Reasoning.**
   The ability to extract information from data, develop ideas and solutions, establish logical progression in thinking, and problem solve using such procedures as literary analysis or the scientific method.
2. **Written, Oral, and Visual Communication.**
   The ability to make oneself understood in public, interpersonal, professional, artistic, and technical arenas.
3. **Exploration—Self and Others.**
   An awareness of the values, beliefs, customs, and contributions of persons from one's own and other traditions, classes, and genders.
4. **Resourcefulness.**
   The ability to adapt to change, such as technological innovations or environmental conditions.
5. **Responsibility.**
   The ability to be accountable to self, society, and the natural world.

Mission Statement

Improving people's lives through lifelong learning

CENTRALIA COLLEGE CORE THEMES

Access, Diversity, Persistence

Centralia College shall make the benefits of higher education accessible by enrolling a wide range of students including people who have been traditionally underserved; by progressing and graduating a significant number of students; and by making its educational offering as affordable as possible.

Educational Programs

Centralia College shall provide to our greater community an ever-increasing number of educated people having the knowledge and skills to become lifelong learners and productive and responsible citizens more capable of realizing their highest human potential.

Stewardship

Centralia College shall serve as a model of effective stewardship to the citizens of Washington State by prudently managing resources; providing training and qualified college employees; and continuously implementing sustainability best practices.

The Core Themes adopted by the Centralia College Board of Trustees help to set a course for the college. The Core Themes are intended as broad goals toward which the college strives and against which the Board measures the college's progress. As such, the statements in the College Core Themes are not intended to create a legal duty or promise to any individual, nor are they intended to confer any legal rights on any individual.

President's Message

Dear Students,

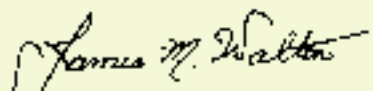
Centralia College is a very special institution. Firm in strong traditions of quality education, superior faculty continue to maintain a margin-of-excellence in academic and professional-technical programs. Whether you are planning to transfer to a four-year college or university or are preparing to enter the workplace upon completion of your course of study at Centralia College, you will receive a solid educational foundation for your future.

The college has a unique relationship with the community. As a major supplier of trained employees to business and industry in the area, Centralia College works as a partner in economic development. This college is a vital resource that undergirds economic expansion.

Our faculty and staff are dedicated to assisting you in developing your full potential. Academic advisors and personal counselors, career and financial aid advisors, tutors, admissions and placement personnel, all stand ready to help you meet your academic goals. Student programs, clubs, athletics, and special events can add a special dimension to your college experience.

I extend best wishes to you for successful achievement of your educational and professional goals.

Sincerely,



Jim Walton
President

Centralia College Policies and Accreditation

Non-discrimination

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: Vice President of Human Resources and Legal Affairs, 600 Centralia College Blvd, Centralia, WA 98531, (360) 736-9391, ext. 671, (360) 807-6227/TTY.

Centralia College publications are available in alternate formats upon request by contacting the Disability Services Office at 360-736-9391, ext. 251.

Accreditation

Centralia College is accredited by the Northwest Commission on Colleges and Universities (NWCCU). The nursing programs are approved by the Washington state Nursing Care Quality Assurance Commission through the Department of Health.

This catalog provides an accurate picture of Centralia College at the time of publication. However, it is possible that there are changes in course numbers, programs, degree requirements, and courses offered. Please check with your advisor or the current quarterly class schedule for updated information.

This catalog is not an irrevocable contract between the student and the college. The college reserves the right to withdraw courses at any time and to change the fees, rules, and calendar regulating admission, registration, instruction, and graduation from the college, and any other regulation affecting the student body.

This catalog is effective beginning fall quarter 2013.
It is produced by Centralia College, Office of College Relations.

Commitment to Quality, Diversity, and Success

Centralia College is committed to equal opportunity, respect, and success of all students, faculty, staff, and administrators of the college, regardless of race or ethnicity, religion or creed, national origin, gender or sexual orientation, age, or presence of disability and veteran status. To this end, we seek to maintain: (1) a qualified faculty and staff representative of the diverse community we serve, (2) an array of course offerings and support services designed to assure quality education of all students, and (3) a campus atmosphere respectful and appreciative of the contributions of diverse people. Further, we commit to monitoring our success in accomplishing equal opportunity, respect, and success of all students, faculty, staff, and administrators.

College Calendar

Centralia College Calendar 2013-14

FALL QUARTER 2013

Labor Day Holiday	September 2	(M)
Faculty Days	September 9-20	
Assessment Day	September 16	(M)
First Day of Class	September 23	(M)
All Campus Meeting (No Classes)	October 11	(F)
Veterans Day (No Classes)	November 11	(M)
Advising Day (No Classes)	November 13	(W)
Thanksgiving Holiday (No Classes)	November 28, 29	(ThF)
Last Class Day	December 6	(F)
Final Examinations	December 9, 10, 11	(MTW)
Faculty Days	December 12, 13, 16, 17	(ThFMT)
Winter Holiday	December 25	(W)
Quarter Break	December 12–January 1	

WINTER QUARTER 2014

New Year's Day Holiday (No Classes)	January 1	(M)
First Day of Class	January 2	(Th)
Martin Luther King Holiday (No Classes)	January 20	(M)
Advising Day (No Classes)	February 13	(Th)
President's Day Holiday (No Classes)	February 17	(M)
Last Class Day	March 17	(M)
Assessment Day (No Classes)	March 18	(T)
Final Examinations	March 19, 20, 21	(WThF)
Quarter Break	March 22-30	

SPRING QUARTER 2014

First Day of Class	March 31	(M)
Advising Day (No Classes)	May 15	(Th)
Memorial Day Holiday (No Classes)	May 26	(M)
Last Class Day	June 9	(M)
Assessment Day (No Classes)	June 10	(T)
Final Examinations	June 11, 12, 13	(WThF)
Commencement	June 13	(F)
Quarter Break	June 14-30	

SUMMER QUARTER 2014

First Day of Class	July 1	(T)
Fourth of July Holiday Observed	July 4	(F)
Last Class Day (6 week session)	August 8	(F)
Last Class Day (8 week session)	August 22	(F)

Centralia College Calendar 2014-2015

FALL QUARTER 2014

Labor Day Holiday	September 1	(M)
Faculty Days	September 8-19	
Assessment Day	September 15	(M)
First Day of Class	September 22	(M)
All Campus Meeting (No Classes)	October 10	(F)
Veterans Day (No Classes)	November 11	(T)
Advising Day (No Classes)	November 13	(W)
Thanksgiving Holiday (No Classes)	November 27,28	(ThF)
Last Class Day	December 5	(F)
Final Examinations	December 8,9,10	(MTW)
Faculty Days	December 11,12,15,16	(ThFMT)
Winter Holiday	December 25	(Th)
Quarter Break	December 11–January 1	

WINTER QUARTER 2015

New Year's Day Holiday (No Classes)	January 1	(Th)
Faculty Day	January 2	(F)
First Day of Class	January 5	(M)
Martin Luther King Holiday (No Classes)	January 19	(M)
Advising Day (All classes in session)	February 11	(W)
President's Day Holiday (No Classes)	February 16	(M)
Last Class Day	March 16	(M)
Assessment Day (No Classes)	March 17	(T)
Final Examinations	March 18, 19, 20	(WThF)
Quarter Break	March 21-29	

SPRING QUARTER 2015

First Day of Class	March 30	(M)
Advising Day (No Classes)	May 14	(Th)
Memorial Day Holiday (No Classes)	May 25	(M)
Last Class Day	June 8	(M)
Assessment Day (No Classes)	June 9	(T)
Final Examinations	June 10, 11, 12	(WThF)
Commencement	June 12	(F)
Faculty Day	June 15	(M)
Quarter Break	June 13-30	

SUMMER QUARTER 2015

First Day of Class	July 1	(W)
Fourth of July Holiday Observed	July 3	(F)
Last Class Day (6 week session)	August 14	(F)
Last Class Day (8 week session)	August 28	(F)

Calendars subject to changes.

General Information

My time at Centralia College has been incredible. I have learned so much, mostly about myself. I didn't realize that I was capable of the things I have been able to achieve. Centralia College has given me opportunities to explore and those opportunities made me realize that there's so much more I can do. My time at Centralia College has been one of the most important in my life; I am grateful and I will never forget it.

– **Edward Riley**

Admission/Enrollment

Enrollment Services Office

Phone: 360-736-9391, ext. 221 (main campus)
360-753-3433, ext. 221 (from Olympia)
360-496-5022 (Centralia College East in Morton)
FAX: 360-330-7503
Email: admissions@centralia.edu
College Web site: www.centralia.edu

Applying to Centralia College is easy. There is no application fee. Applications are accepted throughout the year for entrance any quarter into most programs. You need to be 18 years of age or older or have a high school diploma or GED certificate. There are exceptions to these standards which are described later.

Some programs have special admission requirements. These programs are Nursing, Running Start, GED, and the Bachelor of Applied Science in Management (BASM).

Admission to the college does not guarantee entry into all classes or programs. We have a priority registration system that makes it easier to get the classes you want. The more credits you earn, the earlier you can register, giving you better choices for classes and times. This is important if you plan to earn a degree or certificate. It is also helpful if you plan to register for our most popular classes. If you are a priority student, we will assign you a faculty advisor.

For more information about class registration and becoming a priority student, please see the "Registration" section.

NOTE : If you are a person with a disability and would like accommodations with any of the programs and services of the college, including admission, contact our Disability Services Office at 360-736-9391, ext. 320, or TTY/TDD 360-807-6227. Do this as early as possible before you plan to attend or need assistance.

Admission as a Priority Student

To become a priority student, follow these steps:

I. New Student

If you are a student 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. Submit your Application for Admission. Forms are available on the college Web site.

B. Take your class placement test and submit it to the Enrollment Services Office. You have three options;

(1) Take your placement test on campus. For test times, fees, and instructions, contact the Testing Center on campus at 360-736-9391, ext. 216.

(2) If you have completed testing someplace else, submit your test scores to the Enrollment Services Office. We will accept COMPASS, ASSET and ACCUPLACER test scores. Test scores must be no older than three years.

(3) If you would like to request equivalent placement into pre college and college-level courses based on your placement at another Washington Community or Technical College, submit a copy of the document that provides specific placement recommendation information from the sending institution, along with your completed placement reciprocity request form. Documentation must be no older than one year. Contact the Enrollment Services office for details and to obtain a request form.

(4) If you have taken and passed (2.0 GPA) college-level writing and math, submit transcripts to the Enrollment Services Office.

II. Returning Student

If you have attended Centralia College in the past, follow these steps:

A. You do not need to re-apply for admission. Simply complete and submit your Returning Student Update form available on the college's Web site.

B. If you have attended another college or university since you last took classes at Centralia College, please forward an official transcript(s) to the Enrollment Services Office.

C. Take your class placement test and submit it to the Enrollment Services Office. You have three options: (1) Take your ASSET or

COMPASS test on campus. For test times, fees, and instructions, contact the Testing Center on campus at 360-736-9391, ext. 216. (2) If you have completed testing someplace else, submit your test scores to the Enrollment Services Office. Test scores must be no older than three years. (3) If you have taken and passed (2.0 GPA) college-level writing and math, submit transcripts to the Enrollment Services Office.

III. Transfer Student

If you have attended another college or university, please follow these steps:

A. Submit your Application for Admission. Forms are available on the college Web site.

B. Take your class placement test and submit it to the Enrollment Services Office. You have three options;

(1) Take your ASSET or COMPASS placement test on campus. For test times, fees, and instructions, contact the Testing Center on campus at 360-736-9391, ext. 216.

(2) If you have completed testing someplace else, submit your test scores to the Enrollment Services Office. Test scores must be no older than three years.

(3) If you have taken and passed (2.0 GPA) college-level writing and math, submit transcripts to the Enrollment Services Office

IMPORTANT NOTE: All of your admission and enrollment information will be sent to you via email. To avoid complications and delays, you must include your correct address on your admission application. Otherwise, your admission and enrollment process may be delayed.

Evaluation of transfer credits

The Enrollment Services Office determines which credits transfer and how they apply to your degree or program. Transfer of credits and the application of transfer credits 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.

ADVISING TIP: Do not ask if a credit transfers. This is not important. Ask instead, "Do these credits apply to my degree or certificate?"

NOTE: Usually, only credits earned at regionally accredited colleges or universities are eligible to transfer to Centralia College.

Application for credit evaluation

There is a two-step process to find out which of your transfer credits apply to your Centralia College degree or certificate.

1. Have an official copy of your transcripts mailed directly to our Enrollment Services Office.
2. Submit an Application for Credit Evaluation to the Enrollment Services Office for official evaluation. This form is available online and in the Enrollment Services Office.

NOTE: Step 2 is very important. We receive many transcripts. We do not evaluate them unless you request it.

It is a good idea to request a credit evaluation as early as possible. Registration appointments are calculated on a credit-earned basis. The more credits you have—the earlier you may register. Your appointment is based on cumulative credits earned at Centralia College and the transfer institution(s). Allow a minimum of two weeks for processing after your transcript arrives.

Transcripts become the property of Washington state. We must keep them as part of your official file. We cannot return them or send them to another school or college. Centralia College does not issue or certify copies of transcripts from other institutions.

Nontraditional credits

In addition to taking classes from us or transferring credits from other colleges, there are six other ways to apply credits toward your program at Centralia College. These are called nontraditional credits. They are listed below.

If you want us to evaluate your nontraditional credits, submit official test scores or official transcripts to the Enrollment Services Office. CLEP, credit by exam, and Advanced Placement are evaluated only after you complete two quarters at Centralia College. The Enrollment Services Office will notify you of courses and credits granted. The following methods are available:

1. CLEP (College-Level Examination Program): Five General Exams and more than 30 Subject Exams (worth 5 credits each) are available. The College Board administers these tests. We accept CLEP Exams for credit, if you score a 50 or above. You may earn up to 45 college credits. To apply for CLEP credit, request that official transcripts of CLEP scores be sent directly from The College Board to Admissions and Records. For students completing the CLEP before July 2001, please contact our evaluator for prior scoring minimums.
2. Credit by examination: This is also called challenging a course. Centralia College recognizes that you may already have gained competence in a particular area. You may receive credit for your knowledge without formally taking a course in that area. Not every course is available for credit by exam. Credit may not be earned for an audited course, one you enrolled in previously, or if a more advanced course in that subject area has been completed. If you challenge a specific course at Centralia College, you must arrange this with the appropriate dean and course instructor. You must enroll in the course and pay tuition.
3. Advanced placement (AP): Centralia College encourages students in high school to participate in the AP program. The College Board conducts the AP program. Scores of 3, 4, or 5 on the College Board AP Tests are the basis for advanced placement and course credit at Centralia College. To apply for advanced placement credit, you must request that official transcripts of AP scores be sent directly from the College Board to Enrollment Services. Listed below are the departmental policies on granting placement and credit for the most common AP examinations.

AP Examination	Score	Centralia College	Credits
Biology	3, 4, or 5	BIOL& 100	5 credits
English Writing	3, 4, or 5	ENGL& 101	5 credits
English Literature	3, 4, or 5	ENGL 209	5 credits
U. S. History	5	HIST& 146 and 147	10 credits
	3 or 4	HIST& 146	5 credits
European History	5	HIST& 116 and 117	10 credits
	3 or 4	HIST& 116	5 credits
Calculus (AB)	5	MATH& 141 and 151*	10 credits
	4	MATH& 141 and 151*	10 credits
	3	MATH&141 **	5 credits

*Upon completion of MATH& 152
**Upon completion of MATH& 151

4. Military credit and experience: Credit may be awarded for armed service schools. The amount and type of credit is based upon the Guide to the Evaluation of Educational Experiences in the Armed Services. Present your course certificate(s) and Form DD 214 or DD 295 to the evaluator as proof of completion.

5. Law enforcement/fire protection training: Credit may be awarded for courses taken from the Washington State Criminal Justice Training Commission and the Fire Protection Services Division of the Department of Community Development.

Admission as a Drop-In Student

If you are interested in taking a class or two for personal enrichment, workshops, non-degree programs, or learning assistance programs, you can register as a drop-in student. Drop-in students register after priority students. You can register as a drop-in student for remaining classes on a first-come, first-served, space-available basis. The period of registration in which drop-in students register is called open enrollment or open registration. This period begins shortly before each quarter starts.

I. High School Graduates or Students 18 years or Older

To enroll in a course for personal enrichment, improving job skills, or for a workshop or a special program, register at the Enrollment Services Office during open enrollment. Check the quarterly class schedule for open enrollment dates and times. Current versions of the schedule are available on the college's Web site. Fill out a registration form and pay appropriate fees. Individuals seeking entrance into a special program may have to meet additional requirements for admission.

II. Students Between 16 and 18 years of Age

If you are under the age of 18, your high school class has not graduated, and you do not have a GED, you need the permission of your high school district to enroll. If you are a high school junior or senior, you may be eligible to enter Centralia College as a Running Start student. Students wishing to enter Centralia College should contact the Enrollment Services Office for the appropriate forms and procedures.

III. Students Under 16 years of Age

The minimum age for admission into credit classes is 16, unless you have a high school diploma or GED. Exceptions are rarely granted. Students wishing to seek an exception should contact the Enrollment Services Office for the appropriate forms and procedures.

IV. Senior Citizens

If you are at least 60 years old, you may enroll in a college class or classes for a reduced fee, provided there is space available. You may enroll for no more than two courses per quarter at these rates. Contact the Enrollment Services Office if you need more information.

Admission as an International Student

International Student Programs Office

Phone: 360-736-9391, ext. 492 (main campus)
360-753-3433, ext. 492 (from Olympia)
FAX: 360-330-7503
Email: intl@centralia.edu
College Web site: www.centralia.edu

Centralia College encourages and welcomes students from other countries who want to pursue a quality education. We offer academic and technical programs and an Intensive English Program (IEP). International students are classified as non-resident international students (F-1 or M-1 visa).

You may request an International Student Application form from International Programs, 600 Centralia College Blvd., Centralia, WA 98531, U.S.A., or download the application form from the Web www.centralia.edu. Click on "International Programs." Use our email address intl@centralia.edu, if you have questions.

Admission requirements

To be considered for admission to Centralia College, including the Intensive English Program (IEP), submit these items to the International Programs office:

1. International Student Application form.
2. $35 application fee in U.S. funds (cash, money order, cashier's check, or credit card: Visa, Mastercard, or Discover).
3. 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 the 2012-2013 college year at Centralia College are about $14,795* (U.S. funds). Financial aid funds are not available for international students. Continued enrollment requires a valid statement of financial support.
4. Official transcripts from high school, and all colleges, language schools, etc., attended.
5. Proof of proficiency in the English language is NOT required for admission.
   A. Students without a TOEFL score or with a TOEFL score under 500 (paper-based)/173 (computer-based) will be admitted only to the Intensive English Program (IEP).
   B. Students with a TOEFL score of 500 (paper-based)/173 (computer-based) or over may enroll in college-level courses after an assessment of readiness has been completed at Centralia College.
6. International students transferring within the U.S. must submit the transfer questionnaire included in the International Student Application form.

*Expenses are subject to change for subsequent academic years.

NOTE: You must have valid and adequate student accident and sickness insurance each quarter you are enrolled. Insurance forms are available in the International Student Programs office.

Admission as a Running Start Student

Running Start Program

Phone: 360-736-9391, ext.265 (main campus)
360-753-3433, ext. 265 (from Olympia)
360-496-5022 (Centralia College East)
FAX: 360-330-7503
Email: runningstart@centralia.edu
College Web site: www.centralia.edu

If you are a junior or senior in high school, the Running Start program may be for you. You can take college-level classes while finishing your high school diploma. Through an agreement with your high school, Running Start students do not pay college tuition. You pay for your fees and books. For low-income students these costs may be waived. If you are academically ready to do college-level work, Running Start provides a valuable opportunity to get most or all of two years of college tuition free. As a Running Start student, you may enroll in academic/transfer courses or professional/technical courses. Contact your high school counselor or the Counseling Center at Centralia College for more information.

To apply for Running Start, you must return the following to the Counseling Center:

A. The Application for Admission form. Please write RUNNING START at the top.
B. The ASSET or COMPASS placement test results indicating you are ready for college-level work.
C. Your high school transcript.

We will notify you by mail of your acceptance status after we receive your application and test scores.

Advising/Educational Planning

Counseling and Career Planning Office

Phone: 360-736-9391, ext. 265 (main campus)
360-753-3433, ext. 265 (from Olympia)
360-496-5022 (Centralia College East)
FAX: 360-330-7503
Email: advising@centralia.edu
College Web site: www.centralia.edu

Assessing your readiness for college coursework is the first step toward your success as a college student.

"Assessment" is answering questions such as: "What classes are appropriate for my skill level?" "How many courses and credits should I take?" Only by considering your academic readiness and your life situation can you select courses that give you the right amount of challenge and workload. An advisor will assist you with these choices.

I. Placement Testing

Placement testing helps you and your advisor determine your best starting point in math, English, and reading. Your ASSET or COMPASS test scores will target courses that fit your skill level. Centralia College requires placement test scores that are no more than three years old. Pay your placement test fee at the cashier's window in the Student Services Admissions area. For testing hours call the Test Center at ext. 216, or at Centralia College East.

If your test scores indicate you need to improve your skills in English, math, or reading, you should enroll in college prep skill-building courses. These courses will prepare you for success in college-level work. Take your college prep courses during the first or second quarter of college. Your advisor will assist you in scheduling these classes.

NOTE 2: Centralia College has mandatory placement in its English composition classes. The COMPASS and ASSET tests are the primary placement instruments and the writing cutoff scores are as follow:

Placement	COMPASS	ASSET
ABE/ESL	0 - 29	23-36
ENGL 098	30 - 59	37-41
ENGL 099	60 - 82	42-45
ENGL& 101	83 - up	46-55

Students wishing to challenge their placement may request a one-time only English Composition Writing Challenge for a non-refundable $20 fee. Testing and the writing challenge can be requested through the college's Phoenix Center, ext. 216.

II. Advising

If you are a Priority Student, we will assign you a faculty advisor. Your advisor will assist you with planning your program of study.

New students: After you apply for admission and take a placement test, we will invite you to an "Advising Fair." We hold Advising Fairs several weeks before the start of each quarter. During your Advising Fair appointment, you will:

A. Learn about college procedures and policies.
B. Meet with an advisor from your major area to:
   1. Discuss your plans
   2. Review your assessment of academic readiness
   3. Select and schedule courses
   4. Identify your permanent advisor
   5. Register and pay tuition and fees

Continuing students: Once enrolled, you must meet with your assigned advisor each quarter to discuss progress and plan your schedule for the following quarter. You must meet with your advisor before you can register. You may request a change of advisor at any time. To do this, obtain the signature of your new advisor on a "Change of Advisor" form and submit the form to the Office of Enrollment Services.

NOTE: It is your responsibility to meet all graduation and transfer requirements (if applicable). Your advisor only assists you and is not responsible for your total planning.

If you need help choosing your college programs, you can use the materials in the Counseling/Career Center, or call for an appointment to meet with one of the counselors in the privacy of his or her office (phone ext. 265).

III. Full-time or Part-time?

To be considered a "full-time" student by Financial Aid, Veterans, Athletics, and other programs, you must register for 12 or more credits. Students registering for fewer than 12 credits are considered half-time or part-time. Three-quarter time is 9, 10, or 11 credits. Half-time is 6, 7, or 8 credits.

Registration

Enrollment Services Office

Phone: 360-736-9391, ext. 221 (main campus)
360-753-3433, ext. 221 (from Olympia)
360-496-5022 (Centralia College East)
FAX: 360-330-7503
Email: admissions@centralia.edu
College Web site: www.centralia.edu

Registration is the process of enrolling in classes. Registration depends on your student type and educational plans:

Current Students

You must meet with your advisor on Advising Day or during advising week to plan your classes and receive your registration PIN. You are expected to contact your advisor BEFORE Advising Day to set up an advising appointment. After meeting with your advisor, visit Student Web Services to access your registration time, login, and register for classes. IMPORTANT: If you do not meet with your advisor each quarter, you will lose your priority registration status.

New and Transfer Students

After you take your placement test, you will be sent an invitation for the next Advising and Registration Fair to meet with an advisor to plan and register for classes. You must contact Enrollment Services right away to make your appointment for the fair. Your attendance is very important! It is your step to priority registration for future quarters. If you do not attend an Advising and Registration Fair, you must come to Enrollment Services to register for classes during open registration. Or you may download and complete the Class Registration Form (pdf), and fax the signed form to Enrollment Services at 360.330.7503 or scan and email the signed form to admissions@centralia.edu. Be aware, you will not receive priority registration for future quarters.

How to Qualify to Attend Advising and Registration Fair

In order to qualify to attend an Advising and Registration Fair, you must complete all of the following criteria no later than 5pm three business days prior to the fair:

1. Apply for admission.
2. Take your class placement test (or submit to Enrollment Services official transcripts demonstrating qualifying grades or test scores no more than 3 years old).
3. Contact Enrollment Services in person or by phone to request an appointment.

Returning Students

After you complete and submit your Returning Student Form, you will be sent an email that includes your registration time. Before registering, you must see the advisor you were assigned when you last attended Centralia College. After meeting with your advisor, you must come to Enrollment Services to register for classes during your registration time. If you forget or need a different advisor, contact the Counseling/Career Center at (360) 736-9391, ext. 265 or advising@centralia.edu. If you do not meet with your advisor, you must come to Enrollment Services to register for classes during open registration. Or you may download and complete the Class Registration Form (pdf), and fax the signed form to Enrollment Services at 360.330.7503 or scan and email the signed form to admissions@centralia.edu. Be aware, you will not receive priority registration for future quarters.

Online Students

After applying for admission, new and returning students who plan to register for online classes only should contact Enrollment Services at (360) 736-9391, ext. 221 or admissions@centralia.edu.

Drop-in Students

If you want to take a class or two for personal enrichment, you do not need to apply for admission. Once the Class Schedule is available, you can register for evening courses, Continuing and Community Education classes, or Centralia College East courses. For all other courses, you can register starting on the first day of open registration. Simply download and complete the Class Registration Form (pdf), and send your completed form, along with a check, money order, or credit card number to the address listed on the bottom of the form (no cash please). Mail-in registrations will be processed on a first-come, first-served basis. If the class is filled, payment will be returned to you.

Priority Registration

Students with priority registration status have the advantage of choosing and registering for classes before students without priority status. You can earn priority registration status by completing these important steps:

New and transfer students must attend an Advising and Registration Fair.

Current and returning students must meet with their assigned advisor on Advising Day or during advising week.

Students without priority registration status can gain priority status after earning 35 college-level credits at Centralia College. Students must contact Enrollment Services at (360) 736-9391, ext. 221 or admissions@centralia.edu and request this change. Eligible students will be assigned an advisor and changed to priority registration status

Late Registration

You may add classes by completing and submitting a Change of Schedule form to the Enrollment Services Office. Forms are available on the college's Web site and in the Enrollment Services Office. To add classes that are filled, you must obtain the instructor's signature. To add any class after the second day, whether it is filled or not, you must obtain the instructor's signature. Take the form to the Enrollment Services Office for processing.

You 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. For continuous enrollment or late starting courses, registration may continue after the second week of the quarter.

ADVISING TIP: It is almost never a good idea to register late for a class that has already started! You are responsible for all of the work you have missed. It may be very difficult to catch up.

Change of Schedule/Withdrawal from Classes

You can add and drop classes for a limited time at the beginning of each quarter. To add or withdraw officially from a class, you must complete and submit a Change of Schedule form to the Enrollment Services Office. Forms are available on the college's Web site and in the Enrollment Services Office.

IMPORTANT:

- Adding and dropping classes are serious steps. Consult with your advisor before doing so. If you are receiving financial aid and/or scholarships, consult with the Financial Aid Office to avoid jeopardizing your aid.
- If you stop attending class, you will NOT be dropped or withdrawn automatically. You must withdraw officially. To do so, you must complete and submit a Change of Schedule form to the Enrollment Services Office. If you do not, you may receive a failing grade in your class.
- You are required to pay for any classes for which your register. Refunds are available for a limited time at the beginning of each quarter.

Student Withdrawal

If you withdraw from a course during the first 10 calendar class days, we will remove your name from the class list. You must return the "Change of Schedule" form to the Enrollment Services office by the 10th class day. You do not need an instructor's signature. No record of the class will appear on your transcript.

If you withdraw from a class after the 10th class day, but on or before the 35th class day, you must return the "Change of Schedule" form to the Enrollment Services Office by the 35th class day. You do not need an instructor's signature. You will receive a "W" grade on your transcript.

ADVISING TIP: It is always a good idea to talk to your instructor or advisor before withdrawing.

If you withdraw from a class after the 35th class day, but before the first day of scheduled finals you must return the "Change of Schedule" form to the Enrollment Services office before the first day of scheduled finals. YOU MUST OBTAIN YOUR INSTRUCTOR'S SIGNATURE! You will receive a "WP" grade (Withdrawal Passing) or a "WF" grade (Withdrawal Failing) on your transcript. Your instructor will determine this grade based upon whether you are passing or failing the course at the time of your withdrawal.

ADVISING TIP: If you transfer, other colleges may treat a "WF" grade the same as an "F" (0.0).

Instructor Initiated Withdrawal

Many classes are filled at the start of the quarter. Other students are waiting for a seat. For this reason, when a class is filled, an instructor may withdraw you from any class or lab in which you do not show up. If the class is a block class which meets for two or more hours you may be withdrawn if you do not contact the instructor prior to 12:00 p.m. on the following day. For classes that meet for less than two hours per day, you may be withdrawn if you do not contact the instructor prior to 12:00 p.m. on the day following the second class sessions. (Note: the instructor must notify registration of this withdrawal by 4:00 p.m. on the day of the withdrawal).

ADVISING TIP: If you know you are not able to attend the first two class sessions, you need to communicate with your instructor before the first session. If you do not communicate with your instructor, you may lose your place in class.

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 emergency military assignment. Students withdrawn after the 35th class day shall receive a "WF" or "WP" as assigned by the instructor. Administration will notify the instructor.

College Costs

Enrollment Services Office

Phone: 360-736-9391, ext. 221 (main campus)
360-753-3433, ext. 221 (from Olympia)
FAX: 360-330-7503
Email: admissions@centralia.edu
College Web site: www.centralia.edu

Centralia College provides an excellent value. Many students choose to attend Centralia College because it offers high-quality, cost-effective education. The money you save by attending Centralia College for two years instead of starting at a four-year college could be significant. If you want to prepare immediately to compete for employment, you will find that Centralia College offers excellent education/training in technology-professional fields for less than you might pay at private schools. The college accepts most major credit cards for payment of tuition, fees, books, and supplies. Check with the cashier for details.

When estimating your college costs, include amounts for tuition and fees, special fees, books, supplies, transportation, and living expenses.

Tuition and Fees

The state of Washington invests its future in you. For resident students, state tax money pays a portion of the cost of your education at Centralia College; your tuition money pays the remaining. Tuition is set by the Washington state Legislature and is subject to change by legislative action. Refer to the quarterly class schedule or the college Web site for current rates.

Residency Requirement

Students who are residents of Washington state pay less for tuition than nonresident students. This is because Washington taxpayers pay the difference in cost for Washington state residents.

Washington state law determines residency status for tuition purposes. This is what the law says:

"To qualify for resident tuition, you must be a U.S. citizen, a person who has permanent resident status, or has "refugee-parolee" or "conditional entrant" status and (1) has established residence in the State of Washington primarily for purposes other than educational for one year immediately prior to the start of the quarter, and was financially independent from parents or legal guardians for the calendar year prior to the year in which application was made; or (2) is a financially dependent student, one or both of whose parents or legal guardians have lived in the State of Washington for at least one year immediately prior to the start of the quarter."

Undocumented students may qualify for resident tuition rates if the following requirements are met: (1) Student has resided in Washington state for the three years immediately prior to receiving a high school diploma and completed the full senior year in a Washington high school or student will have completed the equivalent of a high school diploma and resided in Washington state for three years immediately prior to receiving the equivalent diploma. (2) The student has continually resided in Washington state since earning a high school diploma or its equivalent. (3) The

student agrees to file application to become a permanent resident of the United States as soon as eligible to apply. The form is not needed for U.S. citizens or permanent resident aliens.

Nonresident tuition is required of students whose legal residence is outside of Washington state. There are some limited exceptions to this rule. The Enrollment Services Office can explain these exceptions to you. Nonresidents of Washington state pay a slightly higher rate.

International students attending Centralia College are classified as nonresidents regardless of length of residency in Washington State. International students pay at the highest rate.

If you want to apply to change your residency classification, you must complete the Residency Questionnaire form and provide documentation before registration. Residency forms and regulations are available in the Enrollment Services Office.

Refund Policy

The state of Washington determines the limits of our refund policy. Make your refund request to the Enrollment Services Office.

If you officially withdraw from a class or from college through the Enrollment Services Office, you may be entitled to a refund. Refunds may not be arranged by telephone. Please refer to the current class schedule for up-to-date refund policies.

For classes beginning after the first week of the quarter, we calculate refunds according to policies in the class schedule. We can issue a refund only after you have paid outstanding debts. We refund financial aid 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 working days for processing. We credit refunds for payments made with a credit card to that credit card account. If we cancel your class, we will automatically refund you 100 percent.

If you are called to active duty military service, you are eligible for a 100 percent refund of tuition and fees. You must provide proof of active duty status. You must request your refund during the academic quarter you are called to active duty. If it is an emergency call-up, ask about an exception.

We do not refund special fees after the first class day. We do not refund lab fees after the 10th class day. Before that, we will refund your fee in full providing you have not used the supplies. If you used some supplies, we will prorate your refund. The cashier may require verification by the instructor before refunds are made.

If you experience extensive or severe medical conditions, you may be eligible for a refund of tuition and fees. You must provide sufficient documentation from your physician indicating that you are unable to attend courses for the quarter. You must request a medical withdrawal within the next quarter of the academic year (i.e., spring quarter medical withdrawal requests must be submitted before the end of summer quarter). Please contact the Enrollment Services office for details.

Non-sufficient Funds Check Policy

Centralia College charges $25 for each NSF (non-sufficient funds) check. This charge may be subject to change. We will place a hold on registration, grades, transcripts, etc., until you settle the NSF check and associated fees. We send all NSF checks to a collection agency in 15 days. The collection agency may charge you an additional collection fee and interest. We may cancel your registration if the NSF check is for tuition including lab and other fees.

Appeals

If you fail to meet your financial obligations to the college, the college may withhold your grades, degree, or transcript and may block registration for future quarters. You have the right to make a written appeal regarding fees, refunds, fines, charges, debts, or other financial obligations to the college. Address your appeal to the Director of Enrollment Services. A second level appeal is available. Address this appeal in writing to the Vice President, Student Services. The decision of the vice president is final.

Financial Aid

Financial Aid Office

Phone: 360-736-9391, ext. 234 (main campus)
360-753-3433, ext. 234 (from Olympia)
FAX: 360-330-7503
Email: financialaid@centralia.edu
College Web site: www.centralia.edu

Need help paying for college? Then apply for financial aid. More students are eligible to receive funds than ever before. Financial aid awards are made on a first-come, first-served basis so apply early. Centralia College has a financial aid priority deadline of April 15. You must complete a financial aid file by this date to be considered for maximum funding. If you do not meet the priority deadline your financial aid file will still be reviewed but funding, if you qualify, may not be ready by the first day of the quarter. In that case, you would need to pay your own tuition by the posted deadline.

Eligibility

Do not assume that you are not eligible for financial aid funding. In general, to be eligible for funding you must:

1. Be a U.S. citizen or eligible non-citizen
2. Not owe a refund or repayment on prior financial aid and do not have a student loan in default
3. Have earned a high school diploma or GED
4. Have registered with Selective Service, if required
5. Be enrolled in financial aid eligible degree or certificate program at Centralia College
6. Meet satisfactory academic progress standards

Applying for Aid

To apply for financial aid you must submit the following:

1. Free Application for Federal Student Aid (FAFSA) - this form can be filled out online at www.fafsa.ed.gov. Be sure to list Centralia College on the form, our school code is 003772.
2. Centralia College Application for Admissions - to be eligible for funding you must be admitted to the college for the quarters you wish to receive funds.
3. Centralia College Financial Aid Data Sheet
4. Verification or Other Required Forms - depending on the results of your FAFSA application the Financial Aid Office may need you to complete additional forms. You will be notified by mail if this occurs.
5. Academic transcripts from all schools attended within the last five years.

Funding

Financial aid is designed to help you offset the cost of college. The primary responsibility for paying for your education rests on you and your family. However, if your combined financial resources are not enough to cover expenses you may qualify for funding from these various sources:

- Grants (federal, state or institutional funds)
- Federal Pell Grant, State Need Grant, Opportunity Grant, or Centralia College Grant
- Workstudy (federal, state or institutional funds)

- Federal or State Workstudy, Student Employment
- Scholarships (institutional or community funds)
- Centralia College Scholarships, Dollars for Scholars

Loans

We do not currently participate in the Stafford Student Loan program but we do have the following options available:

Centralia College Short Term Loan

Alternative loans through outside lending agencies

Other

You may qualify for these programs if you are receiving or have received unemployment benefits within the past 24 months, or have exhausted your unemployment benefits; are a working parent with a small household income or receiving DSHS/WorkFirst cash assistance; or are a homemaker who now needs to financially support yourself and your family. For additional information on these programs please use the contact numbers listed.

Worker Retraining, 360-736-9391, ext. 385

WorkFirst, 360-736-9391, ext. 694

Outside Agencies

If you expect to be funded by an outside agency such as your tribe, L&I, or DVR, for example, you will need to ensure that the payments reach the Cashier's Office by the posted quarterly deadline dates so that you are not dropped from your classes.

Payment Plan

Centralia College offers a payment plan to help you spread the cost of tuition and fees throughout the quarter. Contact the Business Office, 360-736-9391, ext. 517, for details.

Standards of Academic Progress (SAP)

To be awarded and continue to receive financial aid funds you must meet Centralia Colleges SAP standards. If you have questions or would like to request a copy of this information please contact the Financial Aid Office. Also be aware that if you receive financial aid funds and completely withdraw from or stop attending all of your classes, your financial aid will be cancelled and you may be required to repay a portion of the funds you received.

If you do not meet the SAP standards or your financial aid has been cancelled you do have the option of submitting an appeal. For more information contact the Financial Aid Office.

Scholarships

Scholarship Coordinator

Phone: 360-736-9391, ext. 471
360-753-3433, ext. 471 (from Olympia)
FAX: 360-330-7501
Email: scholarships@centralia.edu
College Web site:
www.centralia.edu/admissions/finaid/scholarships.html

Centralia College, through its foundation, has an array of scholarships available to new and continuing students. The college is grateful to the Centralia College Foundation for its efforts with the community in raising scholarship dollars. The college appreciates the community support that makes scholarships available.

Scholarship application forms are available on the college's Web site beginning in December and are due by March 1. Recipients are selected based on academic excellence, community service/work experience/school activities, a personal essay, writing sample, potential for success, and/or financial need. A single application applies to all scholarships to be awarded. The Scholarship Committee will notify you during spring quarter of the status of your application. Eligibility criteria for the scholarships vary.

Veterans Services

Enrollment Services Office

Phone: 360-736-9391, ext. 228 (main campus)
360-753-3433, ext. 228 (from Olympia)
FAX: 360-330-7503
Email: veterans@centralia.edu
College Web site: www.centralia.edu/admissions/veterans.html

Services

Centralia College is approved for the education and training of veterans and the children and spouses of deceased and disabled veterans. Centralia College's academic programs of study are approved by the Higher Education Coordinating Board's/State Approving Agency (HECB/SAA) for enrollment of persons eligible to receive educational benefits under Title 38 and Title 10, U.S. Code. Contact the Veterans Services Coordinator located in the Kemp Hall, room 10, for application and certification information.

It is your responsibility to complete applications, file reports when due, and maintain contact with the Veterans Administration and the college regarding changes in information, programs or attendance.

Satisfactory Progress Requirement

Veterans attending Centralia College who expect to receive Veterans Administration benefits must meet the following requirements in addition to those required by the college:

1. No benefits will be paid for grades of "I", "N", "U", "W", "WP", or "WF."
2. An "S" grade will count as 2 grade points in computing your grade point average.
3. No benefits will be paid for repeating courses.
4. To continue receiving Veterans Administration benefits, you must make satisfactory progress defined as follows: Exhibit satisfactory attendance, complete requirements assigned at the time of evaluation, and meet objectives of the course as determined by the instructor.
5. Benefits terminated for unsatisfactory progress or conduct may be reinstated by the veteran's certifying official upon your establishing a reasonable likelihood that you will maintain satisfactory progress and conduct in the future. This can occur only if you have satisfied all other admission requirements.

Worker Retraining

Worker Retraining is a partnership between Community and Technical Colleges and the state Employment Security Department. Centralia College has a Dislocated Worker training program under this partnership. This training is for unemployed workers, those who face imminent layoffs, and displaced homemakers. While enrolled in approved training programs, you may draw unemployment benefits to the extent of your entitlement. Our Dislocated Worker staff will help you get started with this process.

You may apply for additional financial assistance to cover the cost of tuition, fees, transportation, and child care. The college has a trained Financial Aid Office staff that will work with you in determining other financial resources. If your unemployment insurance benefits are exhausted before training is completed, you may be eligible for Completion Aid.

Academic Information

Enrollment Services Office

Phone: 360-736-9391, ext. 221 (main campus)
360-753-3433, ext. 221 (from Olympia)
FAX: 360-330-7503
Email: admissions@centralia.edu
College Web site: www.centralia.edu

Credit 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.

In general, a class that meets one hour per week for one quarter earns one credit; a class that meets five hours per week for one quarter earns five credits. Laboratory and certain other courses vary. The quarter hours of credit for each course are indicated after the course titles in the Course Description section of this catalog. Some classes, particularly those offered in the Phoenix Center, offer variable credit (generally from 1 to 5 credits). With assistance from your advisor and/or the course instructor, you decide how many credits you can reasonably carry in one quarter and register for that amount.

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

Credit Hour Policy

In compliance with U.S. Department of Education regulation and Northwest Commission on Colleges and Universities policy, college level courses at Centralia College, regardless of modality, shall be at a level of rigor such that the average adequately prepared student will invest approximately 30 hours of effort for each quarter credit earned.

Credits represent your time. Each quarter you must realistically assess your time commitments. Only take a credit load that you can manage successfully. If you are involved with other time-consuming activities such as work, family, sports, etc., you may want to limit your credit load, or enroll as a part-time student. Be sure to discuss with your advisor the credit load that best meets your needs. To estimate the time you can commit to college, figure three hours per week for each credit (combined class and study time). Use this guideline—a 15-credit 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 credits each quarter. Other students take fewer credits each quarter, graduating when their requirements are satisfied.

Grades

Centralia College uses a numerical grading system. Instructors report passing grades from 4.0 to 1.0 in 0.1 increments. Instructors assign the numbers 0.0 to 0.9 for failing work. Numerical grades are equivalent to letter grades as follows:

4.0-3.9	A	Superior achievement
3.8-3.5	A-	
3.4-3.2	B+	
3.1-2.9	B	High achievement
2.8-2.5	B-	
2.4-2.2	C+	
2.1-1.9	C	Satisfactory achievement
1.8-1.5	C-	
1.4-1.2	D+	
1.1-1.0	D	Minimum achievement
0.9-0.1	F	Failure to meet minimum course requirements. Student attended through the 35th class day.
0.0	F	Failure to meet minimum course requirements. Student may or may not have attended through the 35th class day.
	W	Withdrawal. May be awarded only on or before the 35th 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.
	WP	Passing withdrawal. Indicates student had completed enough work to pass the course (1.0 or above) at the time of withdrawal. May be awarded only after the 35th class day, but before the first day of finals. May only be student initiated. Requires dated signature of the student. Requires dated signature and "WP" grade of the instructor. Not calculated in the grade point average.
	WF	Failing withdrawal. Indicates student was doing failing work (below 1.0) at the time of withdrawal. May be awarded only after the 35th class day, but before the first day of finals. May only be student initiated. Requires dated signature of the student. Requires dated signature and "WF" grade of the instructor. Not calculated in the grade point average. Receiving institutions may treat this grade as a 0.0.

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 the Enrollment Services Office 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 in the Enrollment Services Office. Incompletes must be completed by the end of the next quarter, except that spring quarter incompletes must be completed by the end of the following fall quarter.

N Audit. No credit. Not calculated in grade point average.

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

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 or 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 the Enrollment Services Office 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

You may attend a class but not receive credit. To do this, register as an "auditor." Auditors pay regular credit hour and lab fees. An auditor does not take examinations or receive credit for the course. Your transcript will show an "N" for an audited course.

Grade Forgiveness

The Centralia College grade forgiveness policy may allow you to repair your Centralia College grade point average by not counting poor grades you earned. This can be done only under certain circumstances:

A. Only grades below a 2.0 may be forgiven.
B. The grades must be at least two years old.
C. You must demonstrate improvement by earning a cumulative GPA of 2.5 or higher in all courses taken after the most recent course for which you are requesting forgiveness. You must have completed a minimum of 24 credits to demonstrate improvement since that last date.

To apply for grade forgiveness, complete a "Grade Forgiveness Request Form." Obtain this form from the Enrollment Services Office. Submit this form to that office. Enrollment Services staff will review your academic record and determine which grades, if any, may be forgiven. Enrollment Services staff will notify you of the results. You may appeal the decision in writing to the Director of Enrollment Services. The Director of Enrollment Services will notify you by mail of the results of your appeal.

Forgiven grades and credits will remain on your transcript but will not be calculated in your GPA at Centralia College. You cannot use forgiven credits towards any degree, certificate, program, or course requirement at Centralia College. You may not have forgiven grades reinstated later.

ADVISING NOTE: If you transfer to another college, that college may choose not to recognize the forgiveness. This means that staff at another college could recalculate your GPA, counting all your grades for admission and transfer purposes.

Repeating a Course

You may repeat a class, but you will receive credit for taking it once. To have a higher grade in a repeated class count in your GPA, you must request the Enrollment Services Office staff to count only the higher grade in your GPA. Both grades will remain on your permanent record.

ADVISING TIP: If you transfer to another college, that college may choose either grade or the average of your grades.

Transcripts

An official transcript is a copy of your academic record signed by the Director of Enrollment Services. There is a small processing fee for each official transcript or unofficial transcript. We may withhold your transcript if you do not fulfill your obligations to the college, financial or otherwise.

Centralia College works with the National Student Clearinghouse to provide online transcript ordering. More information is available on the college's Web site.

Student Records

Enrollment Services Office

Phone: 360-736-9391, ext. 221 (main campus)
360-753-3433, ext. 221 (from Olympia)
FAX: 360-330-7503
Email: admissions@centralia.edu
College Web site: www.centralia.edu

Student Identification Number

You will be assigned a Student Identification Number (SID) at the time you apply for admission to Centralia College. This number will enable you to access a number of services at the college.

Your Social Security number is confidential and, under a federal law called the Family Rights and Privacy Act, the college will protect it from unauthorized use and/or disclosure. Disclosure of your Social Security number is in compliance with state/federal requirements. Disclosure will be authorized for the purposes of state and federal financial aid, Hope/Lifetime Learning tax credits, academic transcripts, assessment or accountability research. Failure to submit your Social Security number may result in a financial penalty by the Internal Revenue Service.

Confidentiality of Student Records

The Family Educational Rights and Privacy Act (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:

1. The right to inspect and review the student's education records within 45 days after the day Centralia College receives a request for access. A student should submit to the registrar a written request that identifies the record(s) the student wishes to inspect. The registrar will make arrangements for access and notify the student of the time and place where the records may be inspected.
2. The right to request the amendment of the student's education records that the student believes is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA. A student who wishes to ask Centralia College to amend a record should write the registrar, clearly identify the part of the record the student wants changed, and specify why it should be changed. If Centralia College decides not to amend the record as requested, the College will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to provide written consent before Centralia College discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

   Centralia College discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by Centralia College in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or grievance committee. A school official also may include a volunteer or contractor outside of Centralia College who performs an institutional service of function for which the school would otherwise use its own employees and who is under the direct control of the school with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the Centralia College. Please see below for the full list of the disclosures that Centralia College may make without consent.
4. The right to prevent disclosure of directory information. Centralia College routinely publishes and discloses directory information about students to various requestors. At Centralia College, directory information consists of the following: name, address, telephone listing, e-mail address, date and place of birth, photographs, advisor, field of study, participation in officially recognized sports and activities, weight and height of athletes, dates of attendance, grade level, full- or part-time status, honor roll, degrees, awards and scholarships received, most recent previous school attended, and dates

of employment. Also, prior military experience and level of education may be provided to representatives of the Department of Defense for recruiting purposes.

Students who choose to have Centralia College not release their directory information, must complete and submit an official form to the Enrollment Services Office. Students should be aware that requesting Centralia College to withhold directory information may prevent other colleges and employers from receiving information that may benefit the student.

5. The right to 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
400 Maryland Avenue, SW, Washington, DC 20202

For the full confidentiality information see the **The Family Educational Rights and Privacy Act (FERPA)**

Change of Address

If your current address is different from the one on your application form or registration form, notify the Enrollment Services Office. This allows the college to mail important information to you.

ADVISING TIP: The college holds you accountable for any information or document mailed to your address of record. Therefore, it is very important that you notify the Enrollment Services Office immediately, if you change your address.

Name Change

It is important that your name is accurately reflected on your records. It is your responsibility to notify the Enrollment Services Office of any name change.

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 we will attempt to locate a student. However, there is no guarantee of success.

e2Campus (Emergency Notification)

The possibility of an emergency arising on the Centralia College campus does exist. There are natural and man-caused situations that require that all students, faculty, staff, and others who might be impacted to be notified.

The college subscribes to e2Campus as the primary means of mass notification when emergency and selected other events and situations might arise that impact the normal operation of the college.

In case of an emergency you can be alerted fast and accurately. To sign up, go to: www.centralia.edu/news/emergency.html.

When you subscribe to this service, you will receive emergency, crisis, severe weather, priority, or other important messages via text, email, voice mail, twitter, etc.

Subscribing to e2Campus will also put you on the Lewis County Code Red Emergency messaging system, which provides messages from county emergency personnel.

The college will test its emergency response and evacuation procedures on at least an annual basis, including publishing its procedures in conjunction with at least one test per calendar year, and documenting a description of the exercise.

Right to Know

Centralia College has two reports available to students, staff, and the public. The first is our annual security report. The second report is our graduation and transfer rate report.

The annual security report has numbers for the previous three years about crimes reported on or near the college. The report also tells you our policies about campus security, alcohol and drug use, crime prevention, sexual assault and crime reporting. You can get a copy of this report by accessing the following Web site: http://www.centralia.edu/students/srtk/cleryact.html.

The annual graduation and transfer rate report has the percentage of our students who graduate or transfer to other colleges. You can get a copy of this report by contacting the Office of the Vice President, Student Services, or by accessing the following Web site: http://www.centralia.edu/students/srtk/ccssgradcomm.html

Academic Standards Policy

Centralia College is a state supported public institution. Your tuition covers about 34 percent of the cost of your education. Tax dollars provide the rest. The college expects you to be serious about your education. You need to plan for your success. The college provides many ways to help you. One way is by setting standards for academic success.

Low Grades Policy

If you register for six or more credits in a quarter, you must earn a cumulative grade point average of 2.0 or above. If you do not receive a cumulative GPA of 2.0 or above, the college will place you on warning, probation, or suspension. The category depends upon how many times in a row you fall below 2.0. If you register for six or more credits in a quarter and you raise your cumulative grade point average to 2.0 or above, the college will remove any warning, probation, or suspension status.

Warning

If it is the first time that your cumulative grade point average falls below 2.0, the college will place you on warning status. There is no appeal.

Probation

If it is the second time in a row that your cumulative grade point average falls below 2.0, you will be placed on probation status. This is a serious warning. It tells you that if you do it next time, the college will suspend you. There is no appeal.

One-quarter Suspension

If it is the third time in a row your cumulative grade point average falls below 2.0, the college will suspend you for one quarter. If you are suspended at the end of spring quarter, you may not attend summer or fall quarters. During your suspension, you may not register for any course. In addition, you may not participate in events or activities reserved for students. You may appeal. If you do not appeal, you may return after your suspension is over. You are required to raise your cumulative GPA to a 2.0 or better at the end of the quarter in which you return. If you do not, you will be suspended again for a quarter.

Appeals

You may appeal only a suspension. The appeal is simple. You must show proof of circumstances over which you did not have control and/or show proof of making measurable and substantial progress towards repairing your cumulative GPA. This applies for all the quarters that added up to your suspension. The appeal is a meeting with the Vice President, Instruction, who reviews appeals on a case by case basis. The vice president may grant your appeal, may allow you to continue under certain conditions, or may deny your appeal. The decision of the vice president is final.

Graduation

If you are planning to graduate at the end of winter or spring quarter, you need to submit an Application for Graduation form by November 30 for priority credit evaluation. For graduation in summer or fall quarter, you need to apply by April 30. The application form is available at the Enrollment Services Office. There is a fee payable at the time you submit your Application for Graduation. There is also a fee for a graduation cap and gown.

Time Restriction for Graduation

You may graduate under provisions of any official catalog in effect over the last three years, counting backwards from when you apply for graduation. Substitutions for courses that have changed or are no longer offered must be approved by the program head. Arrangements will be made for students enrolled in a program that is discontinued to complete their degree in a timely manner.

Completion of Credits for Degree

To be eligible for a degree from Centralia College, you must complete your final 15 credits, or 35 of the last 45 credits at Centralia College. To be eligible for a certificate from Centralia College, you must complete your final 10 credits, or 15 of the last 25 credits at Centralia College. You may earn a second degree or certificate, if you satisfy all requirements of both degrees.

We hold a commencement ceremony at the end of the academic year. If you applied for graduation during that year, you may take part in the ceremony. We will mail you your diploma or certificate approximately 60 days after the end of the quarter. You may order a replacement diploma for an additional cost.

Academic Honors

Quarterly Honors: Any student who completes 12 or more credits in a quarter, including any credits in classes numbered below 100, is eligible for quarterly honors, and any student awarded is invited to attend the Honors Reception in the spring. If your quarterly GPA is 3.9 to 4.0, you will be on the President's List and you will be awarded a Gold Seal Certificate. If your quarterly GPA is 3.75 to 3.89, you will be on the Vice President's List and awarded a Silver Seal Certificate. If your quarterly GPA is 3.50 to 3.74, you will be on the Dean's List.

Graduation Honors: This applies to any student who earns a degree or certificate of proficiency. If your GPA is 3.90 to 4.0, you will graduate with HIGHEST HONORS. You will receive a gold medallion and you may wear a gold cord. If your cumulative GPA is 3.75 to 3.89, you will graduate with HIGH HONORS. You may wear a gold cord. If your cumulative GPA is 3.50 to 3.74, you will graduate with HONORS.

Individuals receiving the honors listed above will be recognized in the commencement program and have the honor stated when his or her name is announced at commencement.

Student Transfer

Centralia College has transfer agreements with most of the four-year colleges and universities in Washington state.

Only our Associate in Arts (AA), Associate in Liberal Arts (ALA), 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 you transfer and your major, you may need to select specific courses within a degree to ensure full transferability. These transfer degrees assure the transfer of credit, but not automatic or guaranteed admission, since each institution has separate admission criteria which are based on grades, test scores, and other considerations.

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.

Our Associate in Technical Arts (ATA) and Associate in General Studies (AGS) are NOT generally designed for transfer. There are a few very specific exceptions to this. The ATA 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 you have absolutely confirmed that one of these special and very limited exceptions applies to your plans, do not use the ATA degree for transfer purposes. The AGS degree may contain some courses that transfer, but the AGS degree does not transfer anywhere as a package.

AA **Associate in Arts**
General Transfer include courses required for your major.

ALA **Associate in Liberal Arts**
General Transfer include courses required for your major.

AS **Associate In Science – Technical and Science**
Transfer select courses based on your four-year college and major.

AAS-T **Associate in Applied Science-Transfer**
Specific/Restricted Transfer include courses required for your major.

AAS **Associate in Applied Science**
Not designed for general transfer.
Ask about "Upside Down Degree" or special Articulation Agreements.

ATA **Associate in Technical Arts**
Not designed for general transfer.
Ask about "Upside Down Degree" or special Articulation Agreements.

AGS **Associate in General Studies**
Not designed for any transfer. No exceptions.

ADVISING TIP: If you wish to transfer a degree or course to a four-year college, consult early and often with your advisor or a counselor. Most universities have advisors who travel to Centralia College several times a year to meet with you. Assume nothing until you confirm it!

Your Rights in the Transfer Process

The Higher Education Coordinating Board for the State of Washington has published a "Policy on InterCollege Transfer and Articulation Among Washington Public Colleges and Universities." This policy spells out your 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."

Transfer Degrees

Associate in Arts (AA)

Associate in Liberal Arts (ALA)

Centralia College's Associate in Arts (AA) Degree and other degrees based on the Direct Transfer Agreement (DTA) conform to rules established by the Inter College Relations Committee (ICRC) and are maintained by the Joint Articulation Oversight Group (JAOG). This means that if you successfully complete one of these degrees, you will have met most, if not all, of the general university requirements at many baccalaureate colleges in the state of Washington.

This is the first step in preparing for entry with junior standing. The second step is making sure you include courses required by your major. As of the printing of this catalog, the following baccalaureate colleges and universities will accept either of these degrees from Centralia College in accordance with the Direct Transfer Agreement (DTA) under the ICRC guidelines.

Colleges or universities marked with an * have some special requirements which must be satisfied at Centralia College and/or at the baccalaureate institution in order to complete all the general undergraduate requirements. These additional requirements are called provisos.

Bastyr University*
Central Washington University
City University
Cornish College of the Arts*
Eastern Washington University*
Gonzaga University*
Heritage University*
Northwest University*
Pacific Lutheran University*
Saint Martin's University*
Seattle Pacific University*
Seattle University*
The Evergreen State College
Trinity Lutheran College
University of Washington*
University of Washington-Tacoma
Washington State University
Western Washington University
Whitworth College*

You should meet frequently with your advisor, review the catalog and transfer guide of the institution to which you are planning to transfer, and consult with representatives of the baccalaureate institution. You should do this planning very early. This is especially important if you plan to transfer to an institution that has provisos as indicated by the *.

Meeting general undergraduate requirements is important but not sufficient. It is also important that you meet the specific requirements required by your college major. Most college majors require you to take certain courses to prepare for entry as a junior in your major.

These requirements vary from major to major and from college to college. Usually these requirements can fit within the Associate in Arts or other degrees based on the Direct Transfer Agreement (DTA) Degrees. If you do not fold these courses into your degree at Centralia College, you may have to extend your college program by taking additional courses either at Centralia College or at the baccalaureate institution. Early selection of a college major is very important in planning your transfer program. Also, early planning with your advisor is imperative. Early decision making and early planning can save you additional coursework!

Associate in Science (AS)

Centralia College's Associate in Science (AS) Degrees conform to rules established by the Inter College Relations Committee (ICRC) and are maintained by the Joint Articulation Oversight Group (JAOG). This specialized degree program is designed for students pursuing science, technical, engineering, and pre-professional degrees. The Associate in Science Degree places more emphasis on completion of mathematics and pre-major science, computer science, or engineering classes before transfer to enable students to begin upper-division coursework immediately.

The Associate in Science Degree is divided into two tracks, depending upon academic major interest:

Associate in Science Degree Track 1

Biological Sciences, Environmental/Resource Sciences, Chemistry, Geology, Earth Science, Chemistry, Biology and General Science Education.

Associate in Science Degree Track 2

Engineering, Computer Science, Physics, Atmospheric Sciences and Physics Education.

If you successfully complete either degree, you will have met most, if not all, of the lower-division science and mathematics major requirements at many baccalaureate colleges in the State of Washington. This is the first step in preparing for entry with junior standing. The second step is making sure you include courses required by your major.

As of the printing of this catalog, the following baccalaureate colleges and universities will accept either of the degree tracks from Centralia College in accordance with statewide agreements under the ICRC guidelines.

Central Washington University
Eastern Washington University
Gonzaga University
Pacific Lutheran University
Seattle Pacific University
Seattle University
The Evergreen State College
University of Washington
Washington State University
Western Washington University
Whitworth College

Meeting all your general undergraduate requirements is not as important for the AS program. You will finish the requirements at the four-year college. It is more important that you meet the specific requirements required by your college major. Most science and technical majors require you to take many courses to prepare for entry as a junior in your major. These requirements vary from major to major and from college to college. Usually these requirements can fit within the Associate in Science Degree. If you do not fold these courses into your degree at Centralia College, you may have to extend your college program by taking additional courses either at Centralia College or at the baccalaureate institution. Early selection of a college major is paramount in planning your AS transfer program. Also early planning with your advisor is imperative. Early decision making and early planning can save you additional coursework!

Work very closely with a Centralia College advisor before your first quarter to ensure that you have selected the correct degree for your college major. With most of these majors, it is more important that during your first two years you take the courses required to attain junior standing. You can then finish your general undergraduate requirements at the senior institution.

Associate in Applied Science-Transfer (AAS-T)

Centralia College's Associate in Applied Science-Transfer (AAS-T) Degree is designed to meet the requirements of specific four-year colleges and universities. This specialized degree program is for students pursuing professional-technical degrees. In general, our technical degree programs are not designed for transfer. However, several four-year colleges and universities have specific degree programs that accept the AAS-T degree. Institutions and majors outside the specifically designed degrees will accept very few of the credits in the AAS-T degree.

You should meet frequently with your advisor, review the catalog and transfer guide of the institution to which you are planning to transfer, and consult with representatives of the baccalaureate institution. You should do this planning very early.

Questions Regarding Associate Degrees and Transfer

Q-1. Is it true that if I complete the Associate in Arts (AA), the Associate in Liberal Arts (ALA), or the Associate in Science (AS) degrees at Centralia College that I will have fulfilled the first two years of a baccalaureate degree?

A. Most of the time. Your progress toward a bachelor's degree will not always divide neatly into two-year blocks. Depending on your major, more than four years may be needed to complete a bachelor's degree. The AA or ALA assures that you will have satisfied most, and in many cases all, general education requirements at a baccalaureate college or university.

The AS degree, however, spreads the general graduation requirements between Centralia College and the transfer college or university. This degree places more emphasis on completion of mathematics and pre-major classes (sciences) before transfer to enable you to begin upper-division coursework immediately. The AAS-T degree offers limited transfer options. Institutions and majors outside the specifically designed degrees will accept very few credits in the AAS-T degree.

The educational philosophy of the various public and private colleges and universities are different and often include special requirements such as foreign language, religious studies, and special philosophy studies. Those students who have already selected a baccalaureate college should contact its admission office for further information.

Q-2. Is it true that by completing one of the direct transfer degrees I will be guaranteed admission to the college or university of my choice?

A. No. However, admission priority is given to Washington state residents transferring with one of the approved direct transfer degrees. Each college or university looks at your cumulative academic record, intended major, completion of major prerequisites, grade trends, and sometimes a writing sample in determining admission. You may also be responsible for meeting entrance requirements required by a major department or college.

Q-3. If I earn an associate degree at a community college which is not a direct transfer degree (e.g., an Associate in Technical Arts, Criminal Justice, for example), will I have satisfied the general university requirements at a signatory baccalaureate college or university?

A. No. Transfer students with associate degrees other than an approved direct transfer degree will have their community college courses reviewed one by one to meet university requirements. Some schools have special "Alternatives for the Transfer of Occupational Programs" (ATOPS), but such arrangements depend upon the individual college or university programs.

Q-4. Why do some students, who transfer with 90 or more quarter-hour credits from a community college but without an associate degree, not meet the general education requirements at a baccalaureate college or university?

A. The completed courses may not be the right "mix" of courses to match baccalaureate degree requirements. The direct transfer degree (DTA) is designed to ensure that your courses will apply to a bachelor's degree.

Q-5. What happens if I transfer with more than 90 quarter hour credits from a community college?

A. Most baccalaureate colleges and universities will allow more than 90 quarter hours to count towards the total number of credits for the bachelor's degree.

Q-6. Is it true that a significant number of students have problems in transferring from a community college to a university or college in Washington?

A. No. Very few community college students in Washington state have transfer problems when entering a university. Those students who do have problems failed to plan early and/or seek advising help. Therefore, early in your studies you should develop a plan with the help of a college advisor who will advise you about courses that meet the requirements of the direct transfer associate degrees at your particular community college and also meet college or university entrance requirements.

Services for Students

Bookstore

The Centralia College Bookstore is available to serve students, faculty, staff and community members. The bookstore offers new and used textbooks, reference material, study aids, art supplies, computer supplies and software, stationery, gifts, insignia items, clothing and snacks. Regular hours are 7:30 a.m. to 4 p.m. Monday through Friday. Extended hours are offered at the beginning of each quarter. Summer quarter hours may differ slightly.

The bookstore buy-back takes place during the three days of final exams from 9:30 a.m. until 3:30 p.m., Monday through Friday. The summer quarter schedule may differ slightly.

Please visit us at www.centraliabookstore.com for updated information regarding hours, textbooks, book buy-back, and more.

Cafeteria

Food Services, located in the Student Services Building, offers a full line of fast foods, sandwiches, soups, salads, buffet, beverages, and a variety of snack items for breakfast and lunch. The cafeteria is open from 7:45 a.m. until 2 p.m., Monday through Friday. The summer quarter schedule may differ slightly.

Child Care

Child care services are available on campus for children ages one month through five years. The child care program is licensed, and provides a safe, nurturing learning environment. It also serves as a children's lab school for campus programs. Parents participate in the children's classrooms and receive college credit for their involvement. For further information call the Children's Lab School at 360-736-9391, ext. 462.

Counseling/Career Center

Our Counseling/Career Center offers a variety of educational, career, or personal services to you. We recommend appointments to avoid waiting. However, you may see a counselor on a drop-in basis, when available. Personal services are confidential, with limited exceptions. The Counseling/Career Center is located in the lower level of the Student Center Bldg. Services include:

Career Services

Career counseling provides assistance with career exploration and decision making. We review your aptitude, interests, values, and skills. We provide career inventories and tests to help you identify suitable career paths.

Interactive computer programs are available free of charge. These include Washington Occupational Information System (WOIS), and other career guidance programs. These computer systems help you assess your interests, values, and skills, and suggest matching career fields and occupations. Use these systems to search for specific information concerning training, skill needs, rate of pay, job prospects, etc. You usually do not need an appointment.

The Career Center maintains current and detailed reference materials on career information. We also have directories for schools and files on specific occupations. Use these materials on a self-help basis or with staff assistance.

Personal Services

Personal counseling provides assistance with various problems that may interfere with your education. Examples are stress, family and relationship problems, interpersonal conflicts, parenting difficulties, sexuality issues, anxiety, depression, or grief issues.

Workshops are designed to assist you with a variety of topics. We offer them periodically. Watch for announcements about specific topics, dates, and times.

Educational Services

Pre-admissions counseling helps you enter college. We provide information about programs, courses, and services.

Educational counseling provides assistance with study skills, academic deficiencies, test anxiety, setting realistic goals, transfer information, program planning, and class scheduling questions.

Test interpretation is provided by the staff for the ASSET and COMPASS placement tests and career inventories (COPS, Strong Interest Inventory, CAI, etc.).

Transfer advising: Faculty advisors are the primary source for assisting you in transferring to a four-year college. Counselors can assist you with additional information. Transfer information sheets and catalogs for two- and four-year colleges in Washington are

available in the Career Center. Out-of-state college catalogs may be available in the library or may be accessed through the Web.

Scholarship information: Scholarships offered through Washington State four-year colleges and universities, private organizations and businesses plus a variety of government agencies are on file in the Counseling/Career Center. Eligibility criteria for each scholarship may vary. A staff person can assist you in your research.

If you have not yet graduated from high school, Adult High School Completion may provide options for you. We explain the options and procedures, and assist you in setting a goal that best meets your needs.

Honors and Recognition

Honors Program

The Centralia College Honors Program provides academically talented and motivated students interested in an enriched liberal arts education with the intellectual challenge they desire. Students learn to think more critically, make informed inquiries and explore subjects in greater depth. Those students interested in the program will complete two individual projects under the direction of a faculty mentor and participate in the interdisciplinary honors colloquium.

Phi Theta Kappa

Phi Theta Kappa, Honor Society of the two-year college, accepts students with a 3.4 or higher GPA. Contact the Centralia College advisor to Phi Theta Kappa.

Outstanding Student Award

Any member of the college community may nominate a student for the Outstanding Student Award. You may also nominate yourself. The Outstanding Student Awards are presented at commencement. Contact the Office of the Vice President, Student Services, for a nomination form 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, you must demonstrate academic achievement, community activities, and service to the college while attending Centralia College. Nominations are made during fall quarter.

International Students Programs

The International Students Programs staff helps international students with academic, immigration, career, and personal concerns. We also assist with housing. We locate host families, place students in international houses, and distribute an apartment locator guide. An active international student club organizes social events, educational activities, and service projects. The club introduces international students to American friends and North American culture.

All international students, including those attending the Intensive English Program, are automatically members of the International Student Club. Visit www.centralia.edu (click on "International Programs") for club photos.

As an international student, you must follow immigration regulations. With an F-1 (student visa), you must enroll in and maintain a minimum of 12 credits per term (18 IEP credits), make satisfactory progress toward a degree, and maintain a cumulative grade point average (GPA) of 2.0 (C) or better. Instructors, advisors, and the staff of International Students Programs will help you.

Phoenix Center

The Phoenix Center offers you a chance to overcome barriers, reconstruct your goals, and succeed in your educational endeavors.

The Phoenix Center is located in the Kirk Library and offers a variety of courses for academic skill development and self-improvement. Courses are provided in the following formats: lecture, lecture/laboratory, and laboratory. Many courses allow for continuous enrollment, which allows students to register throughout each quarter to meet a variety of student needs and skill levels.

The Phoenix Center provides testing services for: college placement, ABE/ESL/International Student/Pre-college program diagnosis/placement, financial aid ability-to-benefit, preGED, GED, and eLearning courses. Testing accommodations are provided if you have a documented disability. Visit the Office of Disability Services to find out more about services to students with disabilities.

The Phoenix Center provides free tutorial services. Tutoring services are available to all students in almost every class taught at Centralia College. The Phoenix Center, the student government, and the Instruction Office cooperatively sponsor the Peer Tutoring Program located in Science Center Building (NSC), room 309.

Instructional Support

Writing Center

Students can receive assistance with writing at the Writing Center located in Kemp Hall, room 105. This nurturing environment provides an opportunity to work under the guidance of English department faculty. The Writing Center is staffed by students and volunteers. The center also offers specialized workshops.

Students can also receive writing assistance online through the Washington Online Writing Lab. Students can access self-help resources and submit their draft for review by a writing tutor. The Web site is: http://owl.centralia.edu

Math and Science Learning Center

The Math and Science Learning Center, located on the third floor of the Science Center building (NSC), room 309, is a venue in which students can study collaboratively and receive help and guidance from faculty members and peer tutors. The center also provides an opportunity for advanced students to hone their skills and knowledge through participation in the peer tutoring program discussed next.

Peer Tutoring

Peer tutoring, located in Science Center Building (NSC), room 309, is an instructional support technique used successfully with students at all levels. Peer tutors assist students who need help in mastering a subject area. Tutoring can strengthen and improve students' academic abilities and achievement. Upon request, and with faculty approval, tutoring is available for most classes currently taught at Centralia College.

Peer tutoring is free to registered Centralia College students. To apply for tutoring or to be a peer tutor, students need to complete an application form and obtain approval from his/her instructor.

Free online tutoring is available for a variety of subjects. Visit http://www.centralia.edu/students/tutoring.html to access this service 24 hours a day.

Library and eLearning

The Kirk Library provides a broad array of print and digital information resources. Additionally, the library provides access to computers with the full Microsoft Office suite. The Kirk Library Web site, http://library.centralia.edu, is the gateway to information resources and academic research tools. Access to the library catalog of books and multimedia materials, high-quality databases, and research aids are available 24/7. Currently enrolled students may borrow materials by showing student photo identification. Librarians and staff are available to assist library users in locating information and conducting research. Librarians are available in person, or online 24/7 through the library's live chat reference service. Visit the library's web page to request assistance or call 360-736-9391, ext. 241, or email librarian@centralia.edu.

The eLearning Department provides assistance to all students with using online learning platforms, such as Canvas or Tegrity. Students can also access online learning support tools such as online tutoring and the online writing lab. Visit the Centralia College Online Web site to connect to these services: http://cconline.centralia.edu. The eLearning Department can be contacted at 360-736-9391, ext. 374, or by email at elearning@centralia.edu.

During the library hours, get in-person help with technology and information resources at the ASK HERE desk.

Parking

All vehicles parking in Centralia College parking lots must have a valid Centralia College decal. Decals for students and staff vehicles are available at the Information Desk in the Student Center. The decal for the first vehicle is available at no charge. Additional decals are available at a modest cost.

We make provisions for physically disabled employees, visitors, and students. If you are a visitor requiring parking for longer than 30 minutes, you may obtain a Guest Permit at Central Services. This permit is valid in any undesignated on-campus parking spaces.

Park your bicycles in bicycle racks. You may not bring your bicycle into buildings.

Violation of parking and traffic rules may result in fines or other penalties. We may withhold your official transcripts until you pay your fines.

Sports Programs

Intercollegiate Athletics

Centralia College is a member of the Northwest Athletic Association of Community Colleges (NWAACC). Our 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 you an opportunity to participate in the following varsity team sports:

- Baseball – Men
- Basketball – Men and Women
- Golf – Women
- Softball (fast pitch) – Women
- Volleyball – Women

Contact the Centralia College Athletic Department for more information 360-736-9391, ext. 307.

Student Job Center

If you need help seeking part- or full-time employment, our on-campus Student Job Center provides free job search assistance. We will help you find a position on or off campus to help you earn money while in college.

Student Job Center personnel assist you with all aspects of job search, including developing résumés, application letters, learning about labor market information, and preparing for job interviews.

Students with Disabilities

Centralia College complies with Section 504 of the Rehabilitation Act of 1973, the American with Disabilities Act of 1990, and all other applicable state and federal regulations that prohibit discrimination on the basis of disability.

If you have a disability and wish assistance, contact the Disability Services Office at least six weeks before the start of the quarter. We determine accommodations on an individual basis. We require current documentation (not older than three years) by a qualified professional who can document your disability. For accommodations for special events or activities, request accommodations early enough for us to review documentation and arrange for accommodations. Call 360-736-9391, ext. 320.

Student Life and Involvement Center (SLIC)

How to Get Involved

The Student Life and Involvement Center provides a variety of activities and programs to expand learning and meet new friends.

If you enroll and pay Service and Activities fees, you are automatically a member of the Associated Students of Centralia College (ASCC). You are entitled to an ASCC identification card. With this card, you may have reduced or free admission to many college events. The first card is free; replacements cost $5 each.

The ASCC is responsible for electing students to serve on the Student Government. The ASCC Student Government, the Student Admission and Activities Team, and Student Life and Involvement Center are located in the Student Center Building. The Student Center Building also provides Diversity Lounge to study and relax.

Student Admissions and Activities Team (SAAT)

The Student Admissions and Activities Team (SAAT) plans and presents events that focus on cultural, social, recreational, educational, and ethnic topics for students in the community. Activities include films, speakers, performing arts, midday and evening entertainment, and sponsored trips. As a member of SAAT, you do outreach to area high schools by providing admissions information. If you are interested in serving on SAAT, you need to apply. Applications and further information are available in the Student Life and Involvement Center in the Student Center Building.

Student Government Association (SGA)

Centralia College recognizes the ASCC Student Government as a part of the college's governance structure. The ASCC Student Government serves as the recognized representative of Centralia College students. The constitution and bylaws are available in the Student Government offices and Student Life and Involvement Center in the Student Center Building. Opportunities are available for you to become involved in the governance process by serving on college committees. The Student Government will appoint you to serve on the Services and Activities Fee Student Budget Committee, Instructional Council, Student Policy Council, Student Judicial Board, and other task forces or committees.

Clubs and Organizations

Student clubs and organizations offer opportunities for you to meet new friends, satisfy special interests, and contribute to campus life. Students can organize and join associations to promote their special interests. Current active groups include, but are not limited to: The Electronics Club, Gay Straight Alliance, Latinos Unidos, Phi Theta Kappa, Nursing, Psychology Club, ROTARACT, Ski Club, and The Players Club. Other groups include: International Student Club, Diesel Technology Club, East County Organization of Students, and Pro Musica. For a complete list, contact the ASCC Student Government. Application packets for forming a new club or organization are available in the Student Life and Involvement Center and ASCC Office.

Student Rights and Responsibilities

The college has established policies providing for the rights and responsibilities of students. Copies of this code (WAC 132L-120) are available from the SLIC or the Vice President, Student Services Office.

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.

1. Centralia College has this code to help fulfill its mission. See WAC 132L-120-010.
2. If you violate this code, Centralia College can discipline you. See WAC 132L-120-010.
3. Some words in the code have technical or special meanings. These are defined. See WAC 132L-120-15.
4. You are accountable for your behavior both on and off campus. See WAC 132L-120-030.
5. You have constitutional rights. See WAC 132L-120-040.
6. 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-120-070.
7. You should take an active role in your learning, obey the law, and follow college rules. See WAC 132L-120-080.
8. Do not hurt, intimidate, or bother people. See WAC 132L-120-080.
9. Be honest and tell the truth. See WAC 132L-120-080.
10. Do not cheat. See WAC 132L-120-080.
11. Do not steal or cause damage to other people's property. See WAC 132L-120-080.
12. Do not go where you are not supposed to. See WAC 132L-120-080.
13. Do not abuse computers, telephones or other electronic equipment; do not use them to break the law or to bother people. See WAC 132L-120-080.
14. The use of tobacco, alcohol, and drugs is strictly controlled. See WAC 132L-120-080.
15. Hazing is prohibited. See WAC 132L-120-080.
16. 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-120-090.
17. 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-120-100.
18. If you are a threat to people, you will be suspended immediately. You will get a hearing later. See WAC 132L-120-110.

19. If you are accused of violating this code, you will be summoned to an initial hearing. See WAC 132L-120-120.
20. You can appeal decisions to the judicial board, then to the president. See WAC 132L-120-140.
21. There are rules about how the judicial board conducts its process and handles records. You can have an attorney represent you. See WAC 132L-120-150.
22. There are rules about how the judicial board considers evidence. The college has to prove its case by a preponderance of evidence. See WAC 132L-120-160.
23. There are rules about what the judicial board can do, and how it communicates its results. See WAC 132L-120-170.
24. There are rules about how and when to appeal to the president. See WAC 132L-120-180 to 190.
25. There are rules about how this code is changed. WAC 132L-120-200 to 220.

TRiO Programs

Three federally funded TRiO programs, Upward Bound, Talent Search, and Student Support Services, provide support services to help those who are first-generation college-bound students whose parents meet federal income guidelines. The programs assist students as they prepare for college, attend college, and transfer to a four-year college or university.

Talent Search

This program helps young people in grades 6-12 as they explore their career and educational options beyond high school.

Upward Bound

This program provides academic assistance for those in grades 9-12 as they prepare for success in college.

Student Support Services

This program provides a variety of levels of support to help students stay in college, graduate and transfer to a four-year college.

TRiO programs offer these services

- Academic and career planning assistance
- Assistance in completing college admission, scholarship, and financial aid applications
- Assistance in preparing for college entrance examinations
- Transfer information, planning, and college visits
- Mentoring and tutoring
- Cultural enrichment activities
- Workshops/conferences and campus tours for you and your parents

TRiO programs are located in the Student Services Center. Phone 360-736-9391, ext. 201. Visit our Web site at: http://www.centralia.edu/students/trio/

Technology Resources

The college provides a wide range of computing resources and internet services to students, faculty, and staff. There are general-purpose computer labs with Windows-based PCs equipped with a variety of software applications. There are specialty labs supporting various programs including computer graphics, music, electronics, computer science, and civil engineering.

A high-speed interactive video conference classroom is available to allow collaboration in real time without regard to distance or boundaries.

Email

Once you register for classes, you will be issued a Centralia College email account. The college will send all official communication to your student email account. You are responsible for activating and checking your account regularly. You may choose to forward messages to a different email account; however you are still responsible for all information sent to your student account. You must sign a current Centralia College Network and Electronic Mail Acceptable Use Policy agreement before email accounts will be activated.

eLearning Courses

eCorrespondence Courses

eCorrespondence courses allow you to complete coursework on a self-paced schedule. You can register up until the 35th class day of each quarter. There are no due dates for assignments and you have up to two quarters to complete a course. If you receive Financial Aid you should check about your eligibility to complete in two quarters. Your course material is available online, and you'll turn in your homework online, as well. Get started at www.cconline.centralia.edu.

Online Courses

Online courses are dynamic and interactive virtual classrooms where you can login any time, day or night. You will have the flexibility of working in your online classroom when it's convenient for you, but there are assignments, class start and end dates, and due dates. Plan on logging in regularly to interact with the instructor and other students. Get started at www.cconline.centralia.edu.

Hybrid Courses

Hybrid courses replace in-class time with online time. For example, a five-credit class may meet on campus two hours a week and conduct the rest of the week's learning activities online. Get started at www.cconline.centralia.edu.

Web-enhanced Courses

Web-enhanced courses meet 100 percent of the class time on campus but include resources or other activities online. For example, you may take a five-credit class that meets five hours a week on campus, but you can access multimedia materials, practice quizzes or get extra help online. Many of our classes at Centralia College are web-enhanced.

Extended Learning

Apprenticeship Programs

Apprenticeship courses are offered in cooperation with local joint training commissions or with approval of L&I. Apprentices must be in an approved training program.

Certificate Programs

Centralia College offers several vocational certificate programs. Contact Centralia College Workforce Education Office for details.

Continuing Education

A variety of non-credit classes and workshops are offered throughout the year. These classes are self-supporting and are offered at various times and places. The classes are designed for personal enrichment and/or job advancement. The Office of Continuing Education also develops and coordinates training for business and industry in the local community.

Consult the quarterly schedule of classes or contact the Office of Continuing Education for current offerings or training needs. For information on Continuing Education classes please call 360-736-9391, ext. 427.

Senior College/Lifelong Learning

Enrich your life and exercise your love of learning through lifelong learning. These classes are small, ungraded, affordable and are geared to the interests and lifestyles of older adults.

For more information regarding Senior College and Lifelong Learning, contact the Office of Continuing Education, 360-736-9391, ext. 427.

Night , Weekend and eLearning Classes

If commitments to a job or other obligations have prevented you from completing a college degree, certificate program, or attending classes for professional development or personal enrichment, Centralia College evening, weekend and eLearning (online) classes may be what you need. This program may allow you to stay with your job while taking classes during your free time.

It may be possible to complete the following degrees by enrolling in a combination of eLearning (online), evening and weekend classes.

Degrees

Associate in Arts

Associate in Applied Science - Transfer, Accounting

Associate in Technical Arts - Criminal Justice

Associate in Technical Arts - Power Plant Operations

Associate in Technical Arts - Office Technology*

Associate in Applied Science, Transfer - Business Administration

*Some correspondence courses may be needed to complete certificates or degrees

ADVISING NOTE: Many majors at four-year colleges require you to take certain courses as part of your AA degree. These courses may not be readily available evenings. Please check with your advisor.

Centralia College East

701 Airport Way
P.O. Box 147
Morton, WA 98356

Email: kbloomstrom@centralia.edu
lschinnell@centralia.edu

College Web site: www.centralia.edu/cce

Phone: 360-496-5022 or 360-736-9391, ext. 380

Centralia College East (CCEast), located in Morton, represents Centralia College's dedication to meeting educational needs of the residents of central and eastern Lewis County. CCEast provides educational advising, college level placement testing, registration services, Running Start testing and advising, tutoring, career counseling, financial aid assistance, GED testing and classes, T.E.E.N. Program (high school completion program for pregnant and parenting teens and their partners), career testing and online access to Centralia College's library resources. In addition, a variety of classes connect students to the Centralia campus via interactive video. The CCEast Organization of Students offers leadership development as well as activities for the students.

The mission of CCEast is to provide an environment that nurtures learning by providing:

- Associate degree programs
- Local access to resources for technical training
- Basic skill development
- Lifelong learning opportunities to help students attain personal, family, and career goals
- Student-centered support services
- Cultural activities for the community

Associate in Arts Degree Program

Academic classes offered at CCEast enable students to complete a Centralia College Associate in Arts degree in two years. Both day and evening classes are available.

Associate in Technical Arts Coursework

Course work toward Business Technology certificates and Associate in Technical Arts (ATA) degrees is offered at CCEast for a variety of programs, including Administrative Assistant, Medical Administrative Assistant, and Accounting. For students planning on entering other professional/technical programs such as Nursing, Civil Engineering Technology, or Diesel Technology, CCEast offers many of the prerequisite and support courses.

Business Office Technology

Develop computer-based skills in CCEast's computer lab. Classes such as Microsoft Office, Excel, Word, Digital Photography and Computer Graphics are offered regularly. 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

GED and Adult Basic Education classes prepare students for the GED and for college preparation courses. ABE classes are offered in math, writing, and reading at various levels. These classes are individualized and self-paced. GED testing is offered at CCEast quarterly.

Other Offerings

CCEast offers personal enrichment opportunities for credit and non-credit, including an array of adult special interest and community education classes, including the summer theater performed at the Roxy Theater in Morton.

Garrett Heyns and Cedar Creek Corrections Education Centers

Centralia College operates the Garrett Heyns and Cedar Creek Education Centers under an agreement with the Washington State Department of Corrections. The alliance with Garrett Heyns Education Center at the Washington State Corrections Center in Shelton began in 1975. Educational offerings include Adult Basic Skills, GED prep courses, GED testing, Industrial Sanitation and Information Technology courses.

In 2011 Centralia College assumed oversight of the education center at Cedar Creek Corrections Center located in Littlerock. Courses administered include Adult Basic Skills, GED prep, GED testing, Building Maintenance, Drywall, Roofing, and Siding.

Cooperative Education

Cooperative Education is a partnership involving Centralia College, students, and employers from the community working together to extend classroom learning to the workplace. We can help to place you in a job relating to your field of study or career plan.

Cooperative Education personnel will interview you and assist you in locating an appropriate co-op experience. If you are already employed, you may be interviewed to determine eligibility for Cooperative Education. After securing an appropriate placement, you will meet with co-op personnel who will enroll you in a Cooperative Work Experience course. In addition, a Work Experience Seminar is required either prior to or concurrent with all cooperative work experiences.

Why attend Centralia College? It's the quality of the instructors and the quality of the classes. I enrolled in the bachelor's degree program because it was a perfect fit for me with its hybrid classes (part online and part face-to-face during the evenings). I'm impressed with the curriculum and I get real-world application of what we learn in the classroom.

– **Julie Lind**

CENTRALIA COLLEGE

Degrees/Certificates

Degrees/Certificates

Centralia College offers different degrees to meet varied student needs. All associate degrees require a minimum of 90 credits. Students must complete the last 15 credits or 35 of the final 45 credits at Centralia College to be eligible for a degree from Centralia College. It is possible to earn a second degree if you satisfy all the requirements of both degrees.

Bachelor of Applied Science in Management (BASM) is designed to provide a rigorous educational experience that fulfills the program's mission.

Our mission is to ensure that graduates of the Centralia College Bachelor of Applied Science in Management degree program will have the qualifications for entry into or promotion into management positions in a wide range of business or industries. Graduates will acquire skills to improve the success of small business or entrepreneurial ventures. Graduates will have the credentials to apply for additional education in graduate studies programs at other colleges and universities.

Centralia College's Bachelor of Applied Science in Management (BASM) builds on an existing Associate in Arts, Associate in Applied Science, or Associate in Applied Science-Transfer adding upper division coursework to complete a four-year degree. Applicants are accepted for the fall quarter of each year. The BASM operates as a cohort-based program with all students starting in a fall quarter and completing the program in either two years (six quarters) or three years (nine quarters).

The BASM degree program is designed to meet employment needs of the Centralia College service area and to provide the program graduates with the knowledge and skills needed to move into or advance in management and supervisory positions as well as to become entrepreneurs.

All classes are conducted using the hybrid modality with each class meeting on campus for one, two-hour period in the evening each week. Classes are on Tuesdays from 5-7pm, 7-9pm and Thursdays from 6-8pm. The balance of class work is online.

Minimum Centralia College Content
To be eligible for the awarding of a degree, BASM students must complete a minimum of 30 credits of BASM coursework at Centralia College and that coursework must include all three of the BASM capstone courses.

BASM Course Enrollment by Non-Matriculated Students
The BASM program is designed for student cohorts who are committed to the attainment of the Bachelor of Applied Science in Management degree. Non-matriculated students may be enrolled in specific courses on a space-available basis at the discretion of the respective faculty member and with the concurrence of the Executive Director of BASM. A maximum of three courses may be taken by any non-matriculated student. Non-matriculated students must meet all of the normal BASM entrance requirements with the exception of the requirement to have an associate degree. Centralia College will consider non-matriculated students for enrollment in 300/400 level courses including:

1. Community members employed in the occupation who could benefit from the specific course as an educational or skills upgrade.
2. Students with deferred admission status.
3. Students seeking future admission interested in trying an upper division course before applying to the program.
4. Students in related lower division programs who use the 300 or 400 level courses as electives or substitutes for required courses in the associate degree.

General Transfer degrees are accepted by all state colleges and universities in Washington State through formal agreements, including the Direct Transfer Agreement (DTA), between the universities and the community college system. Students who complete a General Transfer degree will, upon acceptance to a Washington State public or signatory private college or university, generally be granted 90 transfer credit. Students may still need to complete more than 90 quarterly credits to graduate in their major. Centralia College General Transfer degrees include:

Associate in Arts and derivative degrees

Associate in Science and derivative degrees

Limited Transfer degrees may be accepted by select baccalaureate institutions, but there is no state-wide agreement guaranteeing 90 credits will be accepted in transfer. Depending upon the institution, students may have their credits evaluated on a course by course basis. Centralia College Limited Transfer degrees include:

Associate in Applied Science – Transfer

Workforce Education degrees are designed to provide detailed skills related to a profession and are not primarily intended for transfer.

Some institutions do accept these degrees under an "upside down" model that allows the student to do content specific work in the first two years and round out his or her education by completing general university requirements (GURs) in the second two years of the baccalaureate. Centralia College Workforce Education degrees include:

Associate in Applied Science

Associate in Technical Arts

The General Studies degree allows the student more latitude in designing a degree based upon personal interests, but does not necessarily meet the requirements for direct transfer. As with all degrees not designated as General Transfer, there is no guarantee all 90 credits required for the degree will transfer.

Certificates of Proficiency are Workforce Education programs that require at least 45 credits and which provide job specific skills.

Certificates of Completion are similar to Certificates of Proficiency except requiring less than 45 credits.

High School Diplomas and GEDs can be obtained by meeting all requirements for the Centralia College High School Diploma or by passing the GED tests, respectively.

Educational Outcomes

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 Learning Themes:

Reasoning: The ability to extract information from data, develop ideas and solutions, establish logical progression in thinking, and problem solve using such procedures as literary analysis or the scientific method.

Written, Oral and Visual Communication: The ability to make oneself understood in public, interpersonal, professional, artistic, and technical arenas.

Exploration – Self and Others: An awareness of the values, beliefs, customs, and contributions from one's own and other traditions, ethnicities, classes and genders.

Resourcefulness: The ability to adapt to change, such as technological innovations or environmental conditions.

Responsibility: The ability to be accountable to self, society, and the natural world.

To support the attainment of these general educational outcomes, instruction in major areas of inquiry is required for all degrees. The transfer degrees include courses in the Distribution Areas of communication, quantitative skills, humanities, social sciences, natural sciences, diversity, and health and fitness. Workforce Education degrees and certificates of proficiency achieve this end through the inclusion of related instruction in communication, computation, human relations, and health and fitness.

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 Workforce Education degree or certificate includes courses that enable students to achieve profession-specific learning outcomes. These program outcomes are listed on the program pages on the college Web site.

Bachelor of Applied Science

Degree Requirements

To qualify for a Bachelor of Applied Science degree you must complete a minimum of 180 credits in courses numbered 100 and above of which 90 credits must be BAS courses all of which are numbered 300 or above. You must have a cumulative grade point average (GPA) of at least a 2.0 ("C" average) for the BAS courses and all credits at the 300 or above levels must have been earned with a minimum grade of 2.0 in each course.

The 180 credits must include the following:

General Education Requirements (60 credits)

Communication (10 credits)	**Credits**
ENGL& 101 English Composition (required for admission)	5
BAS 330 Professional and Organizational Communications	5
Humanities (10 credits)	
BAS 315 Ethics	5
BAS 325 Legal Issues	5
Social Science (15 credits)	
PSYC& 100 Psychology or other social science course (required for admission)	5
BAS 320 Leadership and Organizational Behavior	5
BAS 305 Managerial Economics	5
Mathematical (10 credits)	
MATH College-Level Math with prerequisite of intermediate algebra (required for admission)	5
BAS 350 Managerial Statistics	5
Natural Science (10 credits)	
Physical, biological or earth science (lab course) (required for admission)	5
BAS 440 Environmental Issues	5
Five additional credits in general education in one of the above areas is required for admission.	5
Subtotal	60
Foundation Coursework (65 credits) from Associate Degree	**65**

Management Core Coursework (55 credits).

Course Title	
BAS 300 Foundations of Management	5
BAS 310 Accounting Principles for Managers	5
BAS 340 Applied Financial Management	5
BAS 360 Business Principles, Planning and Strategy	5
BAS 370 Practicum	5
BAS 380 Marketing for Managers	5
BAS 410 Project Management	5
BAS 420 Human Resource Management	5
BAS 435 Operations Management	5
BAS 470 Management Internship	5
BAS 490 Strategic Management and Policy	5
Subtotal	55
Total Credits Required	180

General Transfer Degrees

Associate in Arts Degree

In addition to the general requirements listed below, derivative programs may have additional requirements as listed in the programs of study in the next section. The Associate in Arts degree represents the broad knowledge generally acquired in the first two years of a four-year program leading to a Bachelor of Arts degree. When you have earned the AA, you may transfer to a baccalaureate institution within the state of Washington with assurance that you 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, you must complete a minimum of 90 credits in courses numbered 100 or above, with a cumulative grade point average (GPA) of at least 2.0 ("C" average).

The 90 credits must include the following:

Core Skills **15 credits**

a. Communication Skills 10 credits
   ENGL& 101
   ENGL& 102
   ENGL& 235

b. Quantitative Skills 5 credits

Humanities **15 credits**

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

Social Sciences **15 credits**

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

Natural Sciences **15 credits**

Select from at least three disciplines on the distribution list.

Include at least one laboratory course.

Health and Fitness **3 credits**

Selected from either discipline listed on the distribution list.

Diversity **3 credits**

A 3 to 5 credit course listed as a Diversity (D) course. Diversity courses may carry another distribution designation that can be counted toward both distribution requirements.

Academic Electives **27 credits**

A minimum of 27 elective credits 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 you have chosen for transfer. If desired, you may include up to a maximum of 15 credits from courses numbered 100 and above that are not included on the ICRC approved electives list. A maximum of six (6) PE credits may be included in the AA degree.

Three (3) must carry Health and Fitness distribution and an additional three (3) credits may be counted as electives.

Associate in Science Degree

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

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

Degree requirements:

1. A minimum of 90 credits 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 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 credits**

a. Communication Skills 5 credits
   ENGL& 101
b. Quantitative Skills 10 credits
   MATH& 151
   MATH& 152

Humanities & Social Sciences **15 credits**

Select from at least three disciplines listed on the distribution list with at least 5 credits from humanities (H) and 5 credits from social sciences (SS). The remaining 5 credits can be from either category.

Health and Fitness **3 credits**

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

Diversity **3-5 credits**

A 3 to 5 credit 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, Chemistry, Biology and General Science Education

Core Requirements: **46-54 credits**

a. CHEM& 161, 162, 163
b. MATH& 146 or MATH& 163
c. BIOL& 221, 222, 223 or PHYS& 221, 222, 223
d. Additional requirements: 10 – 18 science credits from courses normally taken by science majors, preferably in a 2 or 3 quarter sequence (biology majors should select physics or organic chemistry).

Remaining Credits: 3–11 credits

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

Core Requirements: **30 credits**

a. PHYS& 221, 222, 223
b. CHEM& 161
c. Computer programming (4 credits minimum)
d. MATH& 163 or MATH& 146

Remaining Credits: 27 credits

Electives up to a maximum of 15 credits 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 you wish to attend and using the programs listed later in this catalog.

Associate in Liberal Arts Degree

The Associate in Liberal Arts degree provides a broad background of knowledge rather than a course of study narrowly focused on preparation for a specific field of employment or profession. This degree develops reasoning, judgment, and expression abilities that are desirable no matter what you do in life. When you have earned the ALA degree, you may transfer to a baccalaureate institution within the state of Washington with assurance that you have satisfied all or most of the basic requirements (General University Requirements). This means, generally, that the ALA transfer student can begin work on their specialized, major course work as soon as they transfer.

Degree requirements:

To qualify for this degree you must complete a minimum of 90 credits in courses numbered 100 or above, with a cumulative grade point average (GPA) of at least 3.0 ("B" average).

The 90 credits must include the following:

Core Skills **15 credits**

a. Communication Skills 10 credits
   ENGL& 101
   ENGL& 102
   ENGL& 235
b. Quantitative Skills 5 credits

Any (M) designated math course numbered 131 or higher.

Foreign Languages **15 credits**

Fifteen (15) credits in one foreign language, five (5) of which count toward Humanities Distribution.

Health and Fitness **3 credits**

Three (3) credits from the list of courses approved for Health and Fitness distribution.

Humanities **20 credits**

A minimum of twenty (20) credits in humanities, including one course from at least three of these subjects: Art, Drama, Literature, Music, Philosophy. No more than five (5) credits from performance/skill courses. Five (5) credits of Foreign Language count toward Humanities. Select courses from the distribution list.

Natural Science **20 credits**

At least twenty (20) credits in Math/Science, including at least ten (10) credits in laboratory science or one course each from at least three of the following subjects: Astronomy, Biology, Botany, Chemistry, Forensic Science, Geography, Geology, Mathematics, Oceanography, Philosophy, Physics, Zoology.

Social Sciences **20 credits**

At least twenty (20) credits in social sciences, including one course from at least three of these subjects: Anthropology, Sociology, Psychology, History, Economics, Political Science.

Diversity **3-5 credits**

A 3 to 5 credit course listed as a Diversity (D) course. Diversity courses may carry another distribution designation that can be counted toward both distribution requirements.

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 state. 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

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 credits of transferable academic courses. This degree is not generally transferable. If transfer is your intent you should work with your advisor to make sure this is the degree for you.

Degree Requirements:

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

Your courses must be selected in accordance with a college programs 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	5 credits
b. Quantitative Reasoning (see distribution list)	5 credits
c. Humanities & Social Science (see distribution list)	10 credits
d. Health & Fitness (see distribution list)	3 credits

Workforce Degrees

Associate in Technical Arts Degree & Associate in Applied Science Degree

If your plan is to prepare to compete for employment in an occupational field, you may choose to earn an Associate in Technical Arts or 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.

Degree requirements:

To qualify for the Associate in Technical Arts or Associate in Applied Science degree, you must complete a minimum of 90 credits in subjects numbered 100 or above. You must also achieve a grade point average (GPA) of at least a 2.0 ("C" average).

Your courses must be selected in accordance with one of the programs of study outlined in the program section of this catalog. The programs of study are designed to incorporate specific major requirements and also to meet the general distribution requirements listed below.

The 90 credits must include the following related instruction minimum requirements:

a. Written Communication Skills	3 credits
b. Health and Fitness from list of approved health or PE courses in Health and Fitness distribution (HF)	3 credits
c. Computation Skills	5 credits
d. Human Relations	5 credits

Occupational Major

Programs vary in total credits necessary to obtain a degree, although the minimum requirement is 90 credits. Core program credits are designed to meet occupational skills standards.

Associate in General Studies Degree

The Associate in General Studies degree is designed for those 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 your 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 you must complete 90 credits in courses numbered 100 or above, with a cumulative grade point average of at least a 2.0 ("C" average).

The 90 credits must include the following:

- Forty-three (43) credits taken in communication skills, humanities, math/natural sciences, social sciences, and health and fitness consisting of the following:
  a. A minimum of ten (10) credits in communication skills ENGL& 101, ENGL& 102, or ENGL& 235.
  b. A minimum of ten (10) credits in each of the three general areas of knowledge (humanities, math/natural sciences, and social sciences). See the AA distribution list.
  c. Three (3) credits from the list of courses approved for Health and Fitness distribution.
- An additional forty-seven (47) credits which you choose to satisfy your own educational plans or interests. Your choices can be occupational, personal enjoyment, physical education, or academic courses.

Certificates and Programs

Certificates of Completion

You may be awarded a certificate of completion by successfully completing a set group of courses from a professional/technical program. These certificates require significantly fewer credits than a certificate of proficiency. The courses tend to concentrate on one set of skills.

The U.S. Education Department's Gainful Employment regulations require disclosure of certain program information to students and prospective students. For additional information and updates, please visit http://www.centralia.edu/academics/GE-disclosure.html.

Certificates of Proficiency

You may earn a Certificate of Proficiency by completing a professional/technical program which requires a minimum of 45 credits, includes related instruction, and a grade point average (GPA) of at least 2.0 ("C"). Certificates of Proficiency are awarded in these programs:

Accounting Clerk, Automation Maintenance Technician, Child Care Specialist, Forensic Investigation, Practical Nursing, Medical Office Assistant, Office Assistant, Welding

High School Completion Program

The High School Completion program is offered to students 21 and older, or enrolled in the TEEN Program. For more information contact the TEEN Program Office at 360-736-9391, ext. 341.

GED High School Equivalency

As an official GED (General Equivalent Development) testing center, Centralia College administers GED tests under contract with the GED Testing Service of the American Council of Education. The GED consists of five separate tests covering the areas of writing, social studies, sciences, literature and mathematics. The GED measures the academic ability of adults who have not completed a formal high school education.

Students must be at least 16 years old to participate in the program. Students between 16 and 19 years of age must have on file at Centralia College a "Request for Approval to Test for Certificate on Educational Competence" form, (SBCTC/GED 1000) signed by a local school official, or if home schooled, a notarized release form (SBCTC/GED 2000) signed by the parent before beginning the program. These forms may be obtained from the high school counselor from the last high school the student attended, or from the district in which the student resides. Students 19 and over do not need these forms.

The program maintains an open enrollment policy, and all classes and pre-testing for readiness and/or class placement are available at the Phoenix Center in the Library Building on the Centralia College campus, Centralia College East, and selected locations. Students who GED test at Centralia College must:

1. Make an appointment for testing.
2. Provide picture identification and a Social Security number.
3. Provide "Request for Approval to Test for Certificate" form SBCTC/GED 1000 obtained from and completed by a high school counselor or administrator if under 19.

For additional information regarding age limits, fees, testing times and preparation, contact the Phoenix Center (360) 736-9391, ext. 216 or Centralia College East ext. 380.

Adult Basic Education

The Adult Basic Education program is for students who have not completed high school or whose skill level in reading, writing, or mathematics is 8th grade level or below. Preparation for GED testing, as well as basic computer applications, are included.

Students under 19 years of age must provide a high school release form from the last high school attended or from the district in which the student currently resides. Students must be at least 16 years old.

Distribution Area Outcomes & Courses

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

C = Communication
H = Humanities
M = Mathematics/Quantitative Skills
SS = Social Science
S = 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 credits.
2. The course objectives address three or more of the following outcomes. Upon completing designated courses, students should be able to:
   - Recognize structures and modes of development that are used to inform, persuade, or entertain (Themes: Communication & Responsibility).
   - Apply analytical thinking to reading, writing, revising, and discussion activities (Themes: Reasoning, Communication and Responsibility).
   - Prepare clearly organized and well-supported written works, including specific documentation formats, which meet the conventions of assignments (Themes: Communication & Reasoning).
   - Collaborate with others respectfully and with attention to guidelines given for various projects (Themes: Responsibility & Exploration of Self and Others).
   - Discuss and respond to writings drawn from diverse traditions, ethnicities, cultures, classes, and genders (Themes: Exploration of Self and Others).
   - Access and utilize appropriate technologies and library resources in the preparation of written and oral projects (Themes: Resourcefulness, Responsibility, and Communication).

ENGL

&101	English Composition I	5
&102	Composition II	5
&235	Technical Writing	5

Quantitative Skills (M)

1. The prerequisite for the course is Algebra II (MATH 099 or equivalent).
2. The course objectives address the following outcomes. Upon completing designated courses, students should be able to:
   - Recognize and then apply mathematical concepts to personal, professional and scientific situations. (Theme: Reasoning)
   - Communicate ideas through mathematics graphically, symbolically, numerically and verbally with clarity and accuracy. (Theme: Written, Oral, and Visual Communication)
   - Utilize technology as a tool in the application of mathematical concepts. (Theme: Resourcefulness)

MATH

&107	Math in Society	5
115	College Algebra	5
118	Linear Algebra	5
&131	Math for Elementary Education I	5
&132	Math for Elementary Education II	5
135	Precalculus Refresher	5
&141	Precalculus I	5
&142	Precalculus II	5
&146	Introduction to Stats	5
150	Survey of Calculus	5
&151	Calculus I	5
&152	Calculus II	5
228	Discrete Mathematics	5

Other Requirements

Humanities (H)

1. The course carries three or more credits.
2. The course objectives address three or more of the following outcomes. Upon completing designated courses, students should be able to:
   - Demonstrate an appreciation of the manner in which language, philosophy, and/or the arts influence and interact with the cultures in which they exist (Themes: Reasoning & Exploration).
   - Assess the significance and value of the record of human creativity (Themes: Reasoning & Communication).
   - Articulate the roles, purposes, and functions of the Humanities using discipline specific vocabulary (Themes: Communication & Reasoning).
   - Recognize and apply the discipline-specific structures used to communicate critically and/or creatively (Themes: Reasoning & Communication).
   - Explore the humanities as a vehicle for increased understanding of social issues that face individuals and their communities and cultures (Themes: Exploration & Responsibility).
   - Access and utilize appropriate technologies to research, experience, and respond to the Humanities (Themes: Resourcefulness, Reasoning & Communication).

ART

&100	Art Appreciation	5
102*	Drawing I	5
103*	Drawing II	5
104*	Drawing III	5
160*	Intro to Fibers	5
170*	Black & White Photography	5
174*	Digital Photography	4
200	Art History : Ancient	5
201	Art History: 15th-17th C	5
202	Art History: 18th-20th C	5
203	History of American Art	5

CHIN

&121**	Chinese I	5
&122**	Chinese II	5
&123**	Chinese III	5

DRMA

&101	Intro to Theater	5
105	Theater History	3
107*	Beginning Acting	5
108*	Intermediate Acting	5
115*	Dramatic Performance	3
120	Introduction to Play writing	5
201*	Advanced Acting	5

ENGL

&111	Introduction to Literature	5
&113	Introduction to Poetry	5
&114	Intro to Dramatic Literature	5
160	Women's Literature	5
180	Short Fiction	5
204	Introduction to Shakespeare	5
208	Intro to Creative Writing	5
209	Hero's Quest: Survey of English Literature, 7th C-1616	5
210	Crisis of Faith: Survey of English Literature, 1616-1798	5
211	Romance and Revolution: Survey of English Literature, 1798-Present	5

220	American Drama	3
233	Literature for Children & Adolescents	5
&244	American Literature	5
249	The Great American Novel	5
260	Non-Western World Literature	5
FRCH		
&121**	French I	5
&122**	French II	5
&123**	French III	5
HUM		
110	Ethics and Cultural Values	5
&116, &117, &118	Intro to Humanities I-III	5
270	Survey of Films Studies	5
JOUR		
160	Intro to Mass Media	5
170	Racism, Sexism, & the Media	3
MUSC		
105	Music Appreciation	5
&121	Ear Training I	2
130	History of Western Music	5
&131	Music Theory I	3
139	Music of the World	5
140	History of American Music	5
250*	Musical Theatre Production	5
PHIL		
&101	Intro to Philosophy	5
103	Introduction to Ethics	5
SPAN		
&121**	Spanish I	5
&122**	Spanish II	5
&123**	Spanish III	5
&221	Spanish IV	5
&222	Spanish V	5
&223	Spanish VI	5
SPEE		
101	Fund of Public Speaking	3
110	Principles of Speech Communications	5
220	Theory/Practice of Public Speak.	5
250	Intercultural Communication	5

*No more than five credits allowed for distribution in performance/skills courses.

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

Social Science (SS)

1. The course carries three or more credits.
2. The course objectives address all of the following outcomes. Upon completing designated courses, students should be able to:
   - Describe social, political, economic, linguistic, cultural, historical, and religious factors that explain human behavior and mental processes at individual and group levels (Theme: Communications & Exploration).
   - Identify and apply terminology, concepts, theories, data, and principles used by the various social science disciplines (Theme: Reasoning & Exploration).
   - Develop an informed sense of self that demonstrates tolerance and respect for diverse perspectives (Themes: Exploration, Resourcefulness & Responsibility).
   - Demonstrate critical thinking skills through formulating questions, analyzing data, and distinguishing between objective fact and subjective interpretation (Theme: Reasoning).

ANTH		
&100	Survey of Anthropology	5
&206	Cultural Anthropology	5
&210	Indians of North America	5
225	Cultural & Ethnic Pluralism	5
235	Myth, Ritual, and Magic	5
ECON		
&201	Microeconomics	5
&202	Macroeconomics	5
GEOG		
&200	Human Geography	5
HIST		
&116	Western Civilization I	5
&117	Western Civilization II	5
&118	Western Civilization III	5
&146	U.S. History I	5
&147	U.S. History II	5
&148	U.S. History III	5
&214	Pacific NW History	5
POLS		
&101	Intro to Political Science	5
&202	American Government	5
&204	Comparative Government	5
PSYC		
&100	General Psychology	5
&200	Lifespan Psychology	5
SOC		
&101	Intro to Sociology	5
125	Sociology of the Family	5
&201	Social Problems	5
225	Cultural & Ethnic Pluralism	5

Natural Science (S)

1. The course is broad in scope, covering major concepts.
2. The course objectives address all of the following outcomes. Upon completing designated courses, students should be able to:
   - Communicate key scientific concepts in oral, written, and/or visual format using the language of science (Theme: Communication)
   - Apply the scientific method to solve problems, conduct experiments, evaluate data, and test hypotheses (Themes: Reasoning, Resourcefulness & Communication)
   - Critically evaluate scientific information and its sources (Themes: Exploration, Responsibility & Reasoning)

ASTR		
125	The Solar System	3
126	Stars & Galaxies	3
127	The Solar System & Universe	5
128	Observational Astronomy w/lab	2
BIOL		
&100	Survey of Biology w/lab	5
&170	Human Biology	5
175	Microbes and Society	5
&221	Majors Ecology/Evolution w/lab	5
&222	Majors Cell/Molecular w/lab	5
&223	Majors Organismal Phys w/lab	5
&241	Human A & P 1 w/lab	5
&242	Human A & P 2 w/lab	5
243	Adv Topics Human A & P w/lab	5
250	Intro to Marine Biology w/lab	5
&260	Microbiology w/lab	5
BOTA		
110	Survey of Botany (lab)	5
113	Plant Identification w/lab	5
150	Dendrology-Trees in Our Env w/lab	5
CHEM		
&121	Intro to Chemistry w/lab	5
&131	Intro to Organic/Biochem w/lab	5
&161	General Chem w/lab I	6
&162	General Chem w/lab II	6
&163	General Chem w/lab III	6
&261	Organic Chem w/lab I	6
ENVS		
&100	Survey of Env Science	5
100L	Survey of Environmental Science Lab	1
&101	Intro to Env Science	5
120	Watersheds: Connecting Mtns to the Sea	5
170	Intro to Natural Resources	3
GEOG		
201	Physical Geography w/lab	5
GEOL		
100	Geology for Engineers and Environmental Science w/lab	3
&101	Intro to Physical Geology w/lab	5
102	Earth Evolution and Global Change w/lab	5
108	Natural Hazards & Catastrophe	5
180	Cascade & Plateau Geology	3
&208	Geology of the Pacific NW w/lab	5
NUTR		
&101	Nutrition	5
203	Issues in Nutrition	5
OCEA		
&101	Intro to Oceanography w/lab	5
PHYS		
&110	Phys: Non-Science Majors w/lab	5
&114	General Phys I w/lab	5
&115	General Phy II w/lab	5
&116	General Phys III w/lab	5
&221	Engineering Physics I w/lab	5
&222	Engineering Physics II w/lab	5
&223	Engineering Physics III w/lab	5
SCIE		
104	Intro to Physical Science	5
115	Weather and Climate w/lab	5

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.

HLTH		
120	Women's Health Issues	3
130	Health and Wellness	3
135	Eating & Weight Control	2
140	Exercise and Nutrition	3
145	Safety and Fitness	3

P E (No more than 3 credits may be taken as academic electives)

107	Cycling Basics	2
110	Physical Fitness	1
120	Lifestyle Management & Exercise	2
123	Weight Training	1
125	Free Weights	1
140	Boot Camp Basics	1
142	Cardio Combo	1
150	Yoga	1
151	Aerobic Fitness	1
152	Pilates	1
153	Tai Chi Basics	1
158	Beginning Tae Kwon Do	2
163	Step Aerobics	1
168	Lifetime Fitness	2
169	Cardio Kick boxing	1
210	Advanced Physical Fitness	1
223	Advanced Weight Training	1
229	Physical Fitness Concepts	3
251	Advanced Aerobic Fitness	1
263	Advanced Step Aerobics	1
269	Advanced Cardio Kick boxing	1

Diversity (D)

1. The course carries three to five credits.
2. The purpose of a diversity requirement is to prepare students to critically understand, appreciate, and respect culturally diverse thought and behavior.
3. Courses that address cultural diversity provide a focus on the historical and/or contemporary experiences and contributions of people from diverse backgrounds.
4. A course must have as its central focus or theme (not as a secondary interest) a topic pertaining to non-western culture or to excluded groups within western culture and engage students in critical inquiry about issues related to the complex interactions of cultural differences and commonalities.
5. Diversity courses may also meet other Distribution Requirements.

ANTH

&100	Survey of Anthropology	5
&206	Cultural Anthropology	5
&210	Indians of North America	5
225	Cultural & Ethnic Pluralism	5
235	Myth, Ritual, and Magic	5

ART

200	Art History : Ancient	5
201	Art History: 15th-17th C	5
202	Art History: 18th-20th C	5

CHIN

&121	Chinese I	5

ENGL

255	Women's Literature	5
260	Non-Western World Literature	5

GEOG

&200	Human Geography	5

HLTH

120	Women's Health Issues	3

HUM

110	Ethics and Cultural Values	5

JOUR

170	Racism, Sexism & Media	3

MUSC

139	Music of the World	5
140	History of American Popular Music	5
264	Music History I	5

POLS

&204	Comparative Government	5

SOC

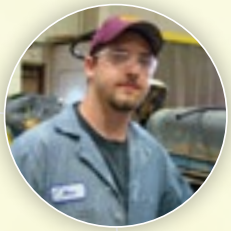
225	Cultural & Ethnic Pluralism	5

SPEE

250	Intercultural Communication	5

InterCollege Relations Commission (ICRC) Approved Academic Electives

Accounting	201, 202, 203
Anthropology	all courses numbered 100 and above
American Sign Language	121, 122, 123
Art	100, 102, 103, 104, 111, 130, 160, 170, 174, 200, 201, 202, 203, 210, 211
Astronomy	125, 126, 127, 128
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
Chinese	all courses numbered 100 and above
Computer Science Technology	100, 215, 224
Criminal Justice	101, 104, 105, 106, 110, 204
Drama	all courses numbered 101 and above
Early Childhood Education	105
Economics	201, 202
Education	115, 201
English	all courses numbered 101 and above
Environmental Science	all courses numbered 100 and above
French	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
Health	120, 130, 140, 145
History	all courses numbered 100 and above
Humanities	all courses numbered 100 and above
Journalism	160, 170, 180
Mathematics	all courses numbered 107 and above except 110 and 116
Media Studies	125, 220, 225, 230, 260
Music	all courses numbered 100 and above
Nutrition	101, 202, 203
Oceanography	101
Philosophy	all courses numbered 100 and above
Physical Education	all courses numbered 100 and above (3 credits maximum on P E activity courses)
Physics	all courses numbered 100 and above
Political Science	all courses numbered 100 and above
Psychology	all courses numbered 100 and above
Science	103, 104, 115
Sociology	all courses numbered 100 and above
Spanish	all courses numbered 100 and above
Speech	all courses numbered 100 and above



Centralia College changed my life. Faculty and staff encouraged me every step of the way. I realized that developing my potential is what counts. Centralia College has given me the opportunity to do that. I've developed leadership skills, I've found that I can succeed in the classroom, and I've made lifelong friends. My experience has been very positive.

– **Stephanie Schiele**

CENTRALIA COLLEGE

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.

Accounting

Emphasis: ***Accounting***
Degree: ***Associate in Technical Arts***

PURPOSE: This program provides students with skills and public certifications necessary to be competitive in selection for employment in private industry, government, and public accounting firms.

PROGRAM OUTCOMES: Students who successfully complete this program should be able to:

- Perform basic bookkeeping tasks in the service of the business public.
- Assist in the production of financial reporting in accordance with generally accepted accounting principles (GAAP).
- Assist in the conduct of audits in accordance with generally accepted audit standards (GAAS).
- Demonstrate familiarity with the application of computer accounting information systems software (AIS).
- Assist in the determination and disposition of tax liability as it applies to individuals and business entities.
- Prepare industry standard written and oral communications to include the use of Microsoft Word and Excel.
- Successfully complete qualification examinations for either Certified Professional Bookkeeper (CPB) or Registered Tax Return Preparer (RTRP).

Suggested Order of Classes

Fall Quarter, First Year			Credits
ACCT&	201	Principles of Accounting I	5
BTEC	210	Word I	5
HR	110	Human Relations-Workplace	5
			15

Winter Quarter, First Year			Credits
ACCT&	202	Principles of Accounting II	5
BTEC	214	Excel I	5
BUS	121	Business Math	5
ENGL&	101	English Composition	OR
BTEC	221	Business Communications	5
			20

Spring Quarter, First Year			Credits
ACCT	130	Basic Computer Accounting	3
ACCT&	203	Principles of Accounting III	5
ECON&	202	Macroeconomics	OR
ECON&	201	Microeconomics	5
HLTH	130	Health and Wellness	OR
HLTH	140	Exercise and Nutrition	OR
HLTH	145	Safety and Fitness	3
			16

Fall Quarter, Second Year			Credits
ACCT	260	Individual Income Tax	5
BUS&	101	Intro to Business	5
BUS	215	Principles of Finance	5
			15

Winter Quarter, Second Year			Credits
ACCT	240	Business Entity Tax	5
ACCT	270	Payroll Accounting	3
BUS&	201	Business Law	5
			13

Spring Quarter, Second Year			Credits
ACCT	210	Intro to Audit	5
ACCT	285	Accounting Certification Course	5
BUS	275	Principles of Mgmt	5
			15

Emphasis: ***Accounting Clerk***
Degree: ***Certificate of Proficiency***

PURPOSE: This 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: Students who successfully complete this program should be able to:

- Perform basic bookkeeping and accounting tasks both manually and on the computer.
- Demonstrate the relationships among the various business functions such as accounting, finance, marketing, purchasing, operations, and human resources.
- Demonstrate computer proficiency on the computer keyboard and ten-key calculator as well as QuickBooks Pro.
- Prepare written and oral business communications.
- Demonstrate familiarity with business law concepts such as contract law and the Uniform Commercial Code.

Suggested Order of Classes

Fall Quarter			Credits
ACCT&	201	Principles of Accounting I	5
BUS&	201	Business Law	5
BTEC	120	Business Math	3
			13

Winter Quarter			Credits
ACCT&	202	Principles of Accounting II	5
BTEC	210	Word I	5
BTEC	214	Excel I	5
BTEC	220	Ten-Key	1
BTEC	221	Business Communications	5
			21

Spring Quarter			Credits
ACCT	130	Basic Computer Accounting	3
ACCT&	203	Principles of Accounting III	5
ACCT	270	Payroll Accounting	3
H R	110	Human Relations-Workplace	5
			15

Acting

See Dramatic Arts

Anthropology

Emphasis: ***Anthropology***

Degree: ***Associate in Arts***

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.

Suggested Order of Classes

Fall Quarter, First Year			Credits
ANTH&	100	Survey of Anthropology	5
ENGL&	101	English Composition I	5
Humanities Distribution*			5
			15

Winter Quarter, First Year			Credits
ANTH&	210	Indians of North America	5
ENGL&	102	Composition II	5
Humanities Distribution*			5
			15

Spring Quarter, First Year			Credits
ANTH	235	Myth, Ritual and Magic	5
Quantitative Skills Distribution**			5
Science Distribution***			5
			15

Fall Quarter, Second Year			Credits
ANTH&	206	Cultural Anthropology	5
Science Distribution***			5
Social Science Distribution			5
			15

Winter Quarter, Second Year			Credits
ANTH&	215	Bioanthropology	5
Elective			2-5
Health & Fitness Distribution			3
Social Science Distribution			5
			15-18

Spring Quarter, Second Year			Credits
ANTH	225	Cultural & Ethnic Pluralism	5
Elective			5
Humanities Distribution*			5
			15

*A language is strongly recommended.

**MATH& 146 Introduction to Stats is recommended.

***BIOL& 100 Survey of Biology recommended.

Anthropology majors are encouraged to develop a broad base in the social sciences to include SOC& 101 Intro to Sociology, PSYC& 100 General Psychology or HIST& 116 Western Civilization I.

Art

See Fine Arts or Graphic Design

Astronomy

See Earth Science

Biology

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

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

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 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

Fall Quarter, First Year			Credits
CHEM&	161	General Chem w/lab I	6
ENGL&	101	English Composition I	5
Elective*			5
			16

Winter Quarter, First Year			Credits
CHEM&	162	General Chem w/lab II	6
ENGL&	102	Composition II	OR
ENGL&	235	Technical Writing	5
Elective*			5
			16

Spring Quarter, First Year			Credits
CHEM&	163	General Chem w/lab III	6
MATH&	151	Calculus I	5
Humanities Distribution			OR
Social Science Distribution			5
			16

Fall Quarter, Second Year			Credits
BIOL&	221	Majors Ecology/Evolution	5
Humanities Distribution			5
Elective**			5
			15

Winter Quarter, Second Year			Credits
BIOL&	222	Majors Cell/Molecular	5
Social Science Distribution			5
Elective**			5
Health & Fitness Distribution			3
			18

Spring Quarter, Second Year			Credits
BIOL&	223	Majors Organismal Phys	5
Humanities Distribution			5
Social Science Distribution			5
			15

*Students requiring Precalculus I (MATH 141) or Precalculus II (MATH& 142) should do so now. Other students should satisfy a social science or humanities elective.

**Recommended electives include a full year sequence of organic chemistry, or additional math classes at the pre-calculus level, statistics, or additional calculus.

Emphasis: ***Animal Biology (Zoology)/***
Plant Biology (Botany)

Degree: ***Associate in Science***

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

Fall Quarter, First Year			Credits
BIOL&	221	Majors Ecology/Evolution	5
CHEM&	161	General Chem w/lab I	6
ENGL&	101	English Composition I	5
			16

Winter Quarter, First Year			Credits
BIOL&	222	Majors Cell/Molecular	5
CHEM&	162	General Chem w/lab II	6
MATH&	151	Calculus I	5
			16

Spring Quarter, First Year			Credits
BIOL&	223	Majors Organismal Phys	5
CHEM&	163	General Chem w/lab III	6
MATH&	152	Calculus II	5
			16

Fall Quarter, Second Year	Credits
Biology/Chemistry/Physics sequence*	5-6
Social Science Distribution*	5
Health & Fitness Distribution	3
	13-14

Winter Quarter, Second Year			Credits
Biology/Chemistry/Physics sequence*			5-6
MATH&	146	Introduction to Stats	OR
MATH&	163	Calculus III	5
Humanities Distribution			5
			15-16

Spring Quarter, Second Year	Credits
Biology/Chemistry/Physics sequence*	5-6
Social Science Distribution	OR
Humanities Distribution	5
Elective	5
	15-16

Science electives:

BIOL& 241, 242, 243 Human A & P w/lab series
CHEM& 261, 262, 263 Organic Chemistry w/lab I-III;
PHYS& 221, 222, 223; Engineering Physics I-III
*Biology majors should select Organic Chemistry or Physics for second year sequence.

Emphasis: ***Biology Education***

Degree: ***Associate in Science-MRP***

PURPOSE: This is intended to prepare students who want to be secondary biology teachers for university transfer. Students who complete this degree will have completed some general education requirements as well as most of the prerequisites for a major in biology.

Suggested Order of Classes

Fall Quarter, First Year			Credits
BIOL&	221	Majors Ecology/Evolution	5
CHEM&	161	General Chem w/lab I	6
ENGL&	101	English Composition I	5
			16

Winter Quarter, First Year			Credits
BIOL&	222	Majors Cell/Molecular	5
CHEM&	162	General Chem w/lab II	6
MATH&	151	Calculus I	5
			16

Spring Quarter, First Year			Credits
BIOL&	223	Majors Organismal Phys	5
CHEM&	163	General Chem w/lab III	6
MATH&	152	Calculus II	5
			16

Fall Quarter, Second Year			Credits
CHEM&	261	Organic Chemistry w/lab I	6
EDUC&	201	Intro to Education	3
MATH&	146	Introduction to Stats	5
			14

Winter Quarter, Second Year			Credits
CHEM&	262	Organic Chem w/lab II	6
EDUC	202	Classroom Observation	2
SPEE	110	Prin of Speech Communication	5
Health & Fitness Distribution			6
			16

Spring Quarter, Second Year			Credits
CHEM&	263	Organic Chem w/lab III	6
PSYC&	100	General Psychology	5
Social Science Distribution			OR
Humanities Distribution			5
			16

Check for specific prerequisite for transfer institutions, particularly physics and foreign language requirements.

Business

Emphasis: ***Business Administration***

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

PURPOSE: 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

Fall Quarter, First Year			Credits
ECON&	202	Macroeconomics	5
ENGL&	101	English Composition I	5
Humanities Distribution**			5
			15

Winter Quarter, First Year			Credits
ECON&	201	Macroeconomics	5
ENGL&	102	Composition II	5
Science Distribution***			5
			15

Spring Quarter, First Year			Credits
MATH&	146	Introduction to Stats	5
SPEE	110	Prin of Speech Communication	5
HR	110	Human Relations-Workplace	5
Health & Fitness Distribution			3
			18

Fall Quarter, Second Year			Credits
ACCT&	201	Principles of Accounting I	5
BUS&	201	Business Law	5
Social Science Distribution**			5
			15

Winter Quarter, Second Year			Credits
ACCT&	202	Principles of Accounting II	5
MATH&	151	Calculus I	5
Science Distribution**			5
			15

Spring Quarter, Second Year			Credits
ACCT&	203	Principles of Accounting III	5
MATH&	152	Calculus II*	5
Humanities Distribution			5
			15

* Five of the 10 Quantitative (M) credits required may include the prerequisite for Calculus (Math& 141 and/or Math& 142) and can be substituted for MATH&152.

** Students are required to complete 3-5 credits in a Diversity course (D). A list of courses that satisfy the Diversity Requirement can be found in the college catalog. Many Humanities or Social Science courses can also fulfill the diversity requirement.

*** At least 10 credits in physical, biological and/or earth sciences including at least one lab course.

Students should confer with an advisor at their baccalaureate institution to determine the most appropriate math courses and other possible prerequisites.

Business Administration

Emphasis: ***Management***

Degree: ***Associate in Applied Science***

PURPOSE: The Associate in Applied Science with a Business Administration Emphasis of Management, 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: Students who successfully complete this program should be able to:

- Prepare statements to monitor, evaluate, and assess financial performance of the entity.
- Improve the performance of the entity by using tools of pricing, promotion, product development, and distribution.
- Apply quantitative methods for critical thinking and problem solving.
- Formulate a personal code of ethical behavior as it relates to a modern business environment.
- Utilize electronic technology including accessing information from various sources.
- Work independently.
- Respond to changing business climates.
- Recognize and analyze how general (macro) and specific (micro) economic forces shape the environment of business and decision making.
- Research, analyze, and report to both an internal and/or external evaluator.
- Accomplish group-oriented tasks where members are collectively responsible for the management and project outcome.

Suggested Order of Classes

Fall Quarter, First Year*			Credits
ACCT&	201	Principles of Accounting I	5
BUS&	101	Intro to Business	5
BTEC	210	Word I	5
			15

Winter Quarter, First Year			Credits
ACCT&	202	Principles of Accounting II	5
BUS	121	Business Math	5
BTEC	214	Excel I	5
HLTH	145	Safety and Fitness	3
			18

Spring Quarter, First Year			Credits
ACCT&	203	Principles of Accounting III	5
BUS	132	Entrepreneurship	5
BUS&	201	Business Law	5
			15

Fall Quarter, Second Year			Credits
BUS	215	Principles of Finance	5
BUS	220	Principles of Marketing	5
HR	110	Human Relations-Workplace	5
			15

Winter Quarter, Second Year			Credits
ENGL&	101	English Composition I **	OR
BTEC	221	Business Communications	5
SPEE	110	Principles of Speech	OR
SPEE	220	Theory & Practice of Speaking	5
HR	210	Human Resource Management	5
			15

Spring Quarter, Second Year			Credits
BUS	250	Project Management	5
BUS	275	Principles of Management***	5
ECON&	201	Microeconomics	OR
ECON&	202	Macroeconomics	5
			15

*Students going into BASM take MATH& 146 Intro to Statistics.
**Students going into BASM take ENGL& 101.
***Students going into BASM take Science Distribution course.

Business Office Technology

Emphasis: ***Administrative Assistant***
Medical Administrative Assistant

Degree: ***Associate in Technical Arts***

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 include: demonstrated proficiency in math, reading, English, and basic keyboarding skills.

Business Office Technology

FIRST YEAR

Suggested Order of Classes

Fall Quarter, First Year			Credits
BTEC	102	Skillbuilding I	3
BTEC	110	Business English	5
BTEC	220	Ten Key	1
BTEC	233	Files Management	3
H R	110	Human Relations-Workplace	5
			17

Winter Quarter, First Year			Credits
BUS&	201	Business Law	5
BTEC	210	Word I	5
BTEC	221	Business Communications	5
HLTH	145	Safety & Fitness	3
			18

Spring Quarter, First Year			Credits
BTEC	120	Business Math	3
BTEC	219	Word II	4
ENGL&	101	English Composition I	5
SPEE	101	Public Speaking	3
			15

Medical Administrative Assistant

PROGRAM OUTCOMES: Students who successfully complete this program should be able 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.
- Compose business letters, memos, resumes, and letters of application.
- Organize data using business math and practical accounting.
- Analyze and calculate data using spreadsheet software.
- Enter and organize data using database software.
- Obtain a first aid and CPR certificate.
- Operate a 10-key electronic calculator by touch.
- Demonstrate the ability to relate effectively with others in the classroom.
- Demonstrate human relations skills and professional behavior necessary for successful job performance.
- Demonstrate the ability to apply acquired skills in the workplace.
- 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 Accounting 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

Fall Quarter, Second Year			Credits
ACCT	110	Practical Accounting I	3
AHC	107	Electronic Medical Records	3
AHC	160	Records Confidentiality	1
BTEC	214	Excel I	5
BTEC	260	Medical Terminology	4
			16

Winter Quarter, Second Year			Credits
ACCT	120	Practical Accounting II	3
BIOL&	170	Human Biology	5
BTEC	191	Work Experience Seminar	1
BTEC	203	Skillbuilding II	3
BTEC	212	Access I	3
			15

Spring Quarter, Second Year			Credits
BTEC	190	Cooperative Work Experience	5
BTEC	261	Medical Office Procedures	5
BTEC	263	Medical Transcription	4
			14

Administrative Assistant

PROGRAM OUTCOMES: Students who successfully complete this program should be able 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.
- Compose business letters, memos, resumes, and letters of application.
- Organize data using business math and practical accounting.
- Analyze and calculate data using spreadsheet software.
- Enter and organize data using database software.
- Obtain a first aid and CPR certificate.
- Operate a 10-key electronic calculator by touch.
- Demonstrate the ability to relate effectively with others in the classroom.
- Demonstrate human relations skills and professional behavior necessary for successful job performance.
- Demonstrate the ability to apply acquired skills in the workplace.
- Transcribe from recorded dictation.
- 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 communications skills using electronic software.

Suggested Order of Classes

Fall Quarter, Second Year			Credits
ACCT	110	Practical Accounting I	3
BTEC	115	Machine Transcription	4
BTEC	214	Excel I	5
CNT	117	Windows Workstation	2
			14

Winter Quarter, Second Year			Credits
ACCT	120	Practical Accounting II	3
BTEC	191	Work Experience Seminar	1
BTEC	203	Skillbuilding II	3
BTEC	212	Access I	3
BTEC	225	Excel II	3
			13

Spring Quarter, Second Year			Credits
ACCT	130	QuickBooks	3
BTEC	190	Cooperative Work Experience	3
BTEC	205	Outlook	1
BTEC	216	Access II	4
BTEC	222	PowerPoint Module	1
BTEC	224	Office Procedures	5
			17

Business Office Technology

ONE-YEAR PROGRAMS

Emphasis: ***Medical Office Assistant***

Degree: ***Certificate of Proficiency***

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: Students who successfully complete this program should be able 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 word processing software.
- Format business letters, memos, reports, tables, and newsletters to office standards.
- Solve basic business math problems.
- Operate 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.
- Use medical terms correctly.
- Obtain a first aid and CPR certificate.
- Demonstrate an understanding of human biology.
- Write simple business letters and memos.
- Prepare a resume and letter of application.
- Transcribe medical documents from recorded dictation.
- 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.
- Enter patient record information using electronic record software.
- Demonstrate an understanding of the Health Insurance Portability and Accountability Act.

Suggested Order of Classes

Fall Quarter			Credits
AHC	107	Electronic Medical Records	3
AHC	160	Records Confidentiality	1
BTEC	102	Skillbuilding I	3
BTEC	260	Medical Terminology	4
H R	110	Human Relations-Workplace	5
			16

Winter Quarter			Credits
BTEC	110	Business English	5
BTEC	210	Word I	5
BTEC	214	Excel I	5
BTEC	233	Files Management	3
			18

Spring Quarter			Credits
BIOL&	170	Human Biology	5
BTEC	120	Applied Business Math	3
BTEC	261	Medical Office Procedures	5
HLTH	145	Safety & Fitness	3
			16

Emphasis: ***Office Assistant***

Degree: ***Certificate of Proficiency***

PURPOSE: This program prepares students for entry-level employment as office assistants. Prerequisites include: demonstrated proficiency in math, reading, English, and basic keyboarding skills.

PROGRAM OUTCOMES: Students who successfully complete this program should be able 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 word processing software.
- Format 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.
- Prepare documents using advanced features of word processing software.
- Enter data using database software.
- Develop effective presentations using presentation software.
- Organize data using business math and practical accounting.
- Prepare a resume and letter of application.
- Possess a basic understanding of receiving office visitors, using the telephone, scheduling appointments, customer service, and confidentiality skills in an office.
- Develop effective communications skills using electronic software.

Suggested Order of Classes

Fall Quarter			Credits
ACCT	110	Practical Accounting I	3
BTEC	102	Skillbuilding I	3
BTEC	233	Files Management	3
BTEC	210	Word I	5
BTEC	220	Ten-Key Calculator	1
			15

Winter Quarter			Credits
ACCT	120	Practical Accounting II	3
BTEC	110	Business English	5
BTEC	212	Access I	3
BTEC	214	Excel I	5
H R	110	Human Relations-Workplace	5
			21

Spring Quarter			Credits
BTEC	120	Applied Business Math	3
BTEC	205	Outlook	1
BTEC	219	Word II*	4
BTEC	222	PowerPoint Module	1
BTEC	224	Office Procedures	5
			14

*ACCT 130 QuickBooks may be substituted for students wanting more accounting.

Chemistry

Emphasis: ***Chemistry***

Degree: ***Associate in Science***

PURPOSE: This program 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 Precalculus Refresher (MATH& 135) and General College Chemistry (CHEM& 161) and completion of your program in four years is possible.

Suggested Order of Classes

Fall Quarter, First Year			Credits
ENGL&	101	English Composition I	5
CHEM&	161	General Chem w/lab I	6
MATH	118	Linear Algebra	5
			16

Winter Quarter, First Year			Credits
CHEM&	162	General Chem w/lab II	6
MATH&	151	Calculus I	5
SPEE	110	Prin of Speech Communication	5
Health & Fitness Distribution			1
			17

Spring Quarter, First Year			Credits
CHEM&	163	General Chem w/lab III	6
MATH&	152	Calculus II	5
Health & Fitness Distribution			1
Social Science Distribution			5
			17

Fall Quarter, Second Year			Credits
CHEM&	261	Organic Chemistry w/lab I	6
PHYS&	221	Engineering Physics I	5
Humanities Distribution			OR
Social Science Distribution			5
			16

Winter Quarter, Second Year			Credits
CHEM&	262	Organic Chemistry w/lab II	6
MATH&	163	Calculus III	5
PHYS&	222	Engineering Physics II	5
Health & Fitness Distribution			1
			17

Spring Quarter, Second Year			Credits
CHEM&	263	Organic Chemistry w/lab III	6
MATH	212	Elem Differential Equations	5
PHYS&	223	Engineering Physics III	5
			16

Chiropractic

See Pre-Chiropractic, Pre-Physical Therapy

Civil Engineering

Emphasis: ***Civil Engineering Technology***

Degree: ***Associate in Technical Arts***

PURPOSE: The Associate in Technical Arts degree in Civil Engineering Technology focuses on engineering tasks related to the planning, design, and construction of land development projects in both the public and private sectors.

Civil Engineering Technology coursework prepares students for a range of entry-level employment positions as a field survey technician, civil engineering design technician, construction inspector, or construction material testing technician.

PROGRAM OUTCOMES: Students who successfully complete this program should be able to:

- Participate effectively as a field or office team member.
- Demonstrate computer literacy in an engineering office environment.
- Demonstrate analytical skills in mathematics and problems solving.
- Communicate and present information in an effective and professional manner.
- Prepare technical drawings and reports using computer aided drafting technology and industry recognized design software.
- Analyze simple structures and strength of materials.
- Analyze domestic water and sanitary sewer system components.
- Perform parcel research and evaluate project feasibility.
- Research state, county, and city codes and ordinances relating to engineering, surveying, and construction.
- Evaluate environmental encumbrances and impacts of development.
- Design storm water management facilities using current methods and technology.
- Design highways, roads, and pavement structures per WSDOT and AASHTO standards.
- Perform material testing on soils, aggregates, and concrete to determine engineering properties per WSDOT, ASTM, and AASHTO standards.

Suggested Order of Classes

Fall Quarter, First Year			Credits
BTEC	214	Excel I	5
CET	100	Intro Civil Engineering	2
CET	112	Computer Aided Drafting I *	5
CET	120	Surveying I	5
MATH	100	Technical Math I **	5
			22

Winter Quarter, First Year			Credits
CET	113	Computer Aided Drafting II*	5
CET	121	Surveying II	5
MATH	110	Technical Math II**	3
PHYS&	100	Physics: Non-Sci Majors	5
			18

Spring Quarter, First Year **			Credits
CET	114	Computer Aided Drafting III*	5
CET	122	Surveying III	4
CET	132	Survey Computation	3
ENGL&	101	English Composition I	5
GEOL	100	Geology for Engineering	3
			20

Fall Quarter, Second Year			Credits
CET	240	Engineering Mechanics I	5
CET	250	Construction Materials	3
CET	260	Hydraulics	5
H R	110	Human Relations-Workplace	5
			18

Winter Quarter, Second Year			Credits
CET	210	Civil Software Applications	2
CET	251	Soil Mechanics	5
CET	261	Environmental Engineering	5
CET	262	Stormwater Management	5
			17

Spring Quarter, Second Year			Credits
CET	252	Highway Engineering	5
CET	270	Elements of Design	5
CET	271	Land Planning & Permitting	2
Health & Fitness Distribution			3
			15

*Students completing CET 112, 113, and 114 are eligible for a "Certificate of Completion –Computer Aided Drafting (CAD)" **Spring quarter First Year Math& 141 - Precalculus I is recommended but optional. Students must earn a 2.0 or better in each CET class to progress in the program.

Emphasis: ***Land Survey Technician***

Degree: ***Certificate of Proficiency***

PURPOSE: Designed for students who only want a Land Surveying credential. Courses in this certificate may be part of the first year of a Civil Engineering ATA degree.

PROGRAM OUTCOMES: Students who successfully complete this program should be able to:

- Demonstrate proven field safety actions, including: appropriate clothing and protective equipment, use of protective devices provided, lift, carry and safely in field conditions, avoid actual and potential hazards, recognize and alert coworkers to all observed risks.
- Exhibit fully reliable work habits, consistent with established employment norms for presence, punctuality, and timely task completion with acceptable quality.
- Demonstrate proper care and handling of sensitive measuring equipment.
- Participate in trigonometric leveling operations correct to within one tenth of a foot.
- Perform necessary field calculations to stakeout a horizontal curve.
- Diagram section subdivisions in relation to the section, township, range, standard parallel, guide meridian, base line and principle meridian.

Suggested Order of Classes

Fall Quarter			Credits
CET	112	Computer-Aided Drafting I	5
CET	120	Survey I	5
H R	110	Human Relations-Workplace	5
MATH	100	Technical Math I	5
			20

Winter Quarter			Credits
CET	113	Computer-Aided Drafting II	5
CET	121	Survey II	5
COMM	101	Written Communications	3
MATH	110	Technical Math II	3
			16

Spring Quarter			Credits
CET	101	Flagging Certification	1
CET	114	Computer-Aided Drafting III	5
CET	122	Survey III	4
CET	132	Survey Computations	3
			13

Students must complete each CET class with a 2.0 or higher to qualify for the next CET class and a program GPA of 2.0 or better to receive the certificate.

Computer-Aided Drafting

Emphasis: Computer-Aided Drafting
Degree: Certificate of Completion

PURPOSE: This program designed for individuals who are currently in a technical profession and desire to upgrade skills in computer-aided drafting technology. Upon successful completion, the individual will have developed solid technical skill with CAD in their current profession.

PROGRAM OUTCOMES: Students who successfully complete this program should be able to:

- Import and edit survey points.
- Create a surface.
- Utilize paper space, model space and multiple viewports.
- Create and label contours.
- Calculate cut and fill items.

CET	112	Computer Aided Drafting I	5
CET	113	Computer Aided Drafting II	5
CET	114	Computer Aided Drafting III	5

Students will benefit from completing coursework in Computer Applications and Applied Mathematics.

Students must earn a 2.0 or better in each CET class to progress in the program.

Computer Science Technology

Emphasis: Computer Science
Degree: Associate in Arts

PURPOSE: 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, Precalculus I. If possible, start with MATH& 151, Calculus I.

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: Students who successfully complete this program should be able to:

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

Suggested Order of Classes

Fall Quarter, First Year			Credits
ENGL&	101	English Composition I	5
MATH&	141	Precalculus I	5
Health & Fitness Distribution			3
Humanities Distribution			5
			18

Winter Quarter, First Year			Credits
ENGL&	102	Composition II	5
MATH&	142	Precalculus II	5
Social Science Distribution			5
			15

Spring Quarter, First Year			Credits
CS&	131	C++ Programming	OR
CS&	141	Java: Object Oriented Prog. I	5
MATH&	151	Calculus I	5
Humanities Distribution			5
			15

Fall Quarter, Second Year			Credits
PHYS&	221	Engineering Physics I	5
Elective			5
Social Science Distribution			5
			15

Winter Quarter, Second Year	Credits
Elective	5
Humanities Distribution	5
Science Distribution	5
	15

Spring Quarter, Second Year			Credits
MATH	228	Discrete Mathematics	5
Science Distribution			5
Social Science Distribution			5
			15

Emphasis: Computer Science Technology
Degree: Associate in Applied Science

PURPOSE: Provides students with training in object oriented languages and multimedia programming and the hardware and software skills necessary to compete for entry-level employment in the computer programming industry. Students should work closely with their advisor when selecting electives to assure their educational goals are met.

PROGRAM OUTCOMES: Students who successfully complete this program should be able to:

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

Suggested Order of Classes

Fall Quarter, First Year			Credits
CNT	117	Windows Workstation OS	2
CST	224	Java	5
ERA	150	Robotics I	3
MATH	100	Technical Math I	5
			15

Winter Quarter, First Year			Credits
CNT	118	Windows OS II	5
COMM	101	Written Communications*	3
CST	119	Web Scripting	3
CST	228	Java Server Side Prog. I	5
			16

Spring Quarter, First Year			Credits
CNT	119	Windows OS III	4
CST	230	Java: Server Side Prog. II	5
ELT	115	DC Electronics	5
HLTH	145	Safety & Fitness	3
			17

Fall Quarter, Second Year			Credits
CST	204	XML	3
CST	220	Apache/Tomcat Web Server	4
CS&	131	C++ Programming	5
ELT	212	Computer Electronics I	4
			16

Winter Quarter, Second Year			Credits
CNT	136	Linux	3
ELT	222	Computer Electronics II	4
ELT	238	Network Technology I	4
ERA	230	Robotics II	4
			15

Spring Quarter, Second Year			Credits
CNT	137	Linux II	3
CST	232	C #	4
ELT	242	Network Technology II	4
H R	110	Human Relations-Workplace	5
			16

* Students interested in fulfilling BASM program admission requirements should take ENGL& 101.

Construction Management

Emphasis: Construction Management
Degree:Associate in Construction-MRP

PURPOSE: 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; the 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.

Suggested Order of Classes

Fall Quarter, First Year			Credits
ACCT&	201	Principles of Accounting I	5
ENGL&	101	English Composition I	5
MATH&	146	Introduction to Stats	5
Health & Fitness Distribution			1
			16

Winter Quarter, First Year			Credits
ACCT&	202	Principles of Accounting II	5
ENGL&	235	Technical Writing*	OR
ENGL&	102	Composition II*	5
ENGR&	111	Engineering Graphics	2
MATH&	151	Calculus I	5
			17

Spring Quarter, First Year			Credits
ACCT&	203	Principles of Accounting III	5
BUS&	201	Business Law	5
MATH&	152	Calculus II	5
Humanities Distribution			5
			20

Fall Quarter, Second Year			Credits
ENGR&	214	Statics*	5
PHYS&	221	Engineering Physics I	5
CHEM&	161	General Chem w/lab I*	6
			16

Winter Quarter, Second Year			Credits
ECON&	201	Microeconomics	5
GEOL&	101	Intro to Physical Geology	5
PHYS&	222	Engineering Physics II	5
Health & Fitness Distribution			1
			16

Spring Quarter, Second Year			Credits
ECON&	202	Macroeconomics*	OR
Social Science Distribution			5
SPEE	110	Prin of Speech Communication	OR
SPEE	220	Theory & Practice of Public Speaking	5
Humanities Distribution			5
Health & Fitness Distribution			1
			16

*Select course as appropriate for intended transfer institution.

Criminal Justice

Emphasis: ***Criminal Justice***

Degree: ***Associate in Technical Arts***

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. Cooperative education components offered in partnership with regional law enforcement agencies, adult and juvenile correctional institutions.

PROGRAM OUTCOMES: Students who successfully complete this program should be able 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

Fall Quarter, Every Year			Credits
CJ&	101	Intro to Criminal Justice	5
CJ	103	Constitutional Case Law	5
CJ&	105	Intro to Corrections	5
MATH	100	Technical Math	5
			20

Winter Quarter, Every Year			Credits
CJ	104	Intro to Law Enforcement	5
CJ	107	Criminal Procedures	5
CJ	224	Interview & Interrogation	5
COMM	101	Written Communications	3
			18

Spring Quarter			Credits
CJ	109	Community Policing	5
CJ&	110	Criminal Law	5
CJ	111	Criminal Justice Ethics	5
CJ	116	Community Corrections	5
P E	229	Physical Fitness Concepts	3
			23

Summer Quarter			Credits
CJ&	106	Juvenile Justice	5
CJ	114	Critical & Current Issues	5
H R	110	Human Relations-Workplace	5
			15

Emphasis: ***Criminal Justice***

Degree: ***Associate in Arts***

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, federal law enforcement, or in the private sector.

PROGRAM OUTCOMES: Students who successfully complete this program should be able 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

Fall Quarter, First year			Credits
CJ&	101	Intro Criminal Justice	5
CJ	103	Constitutional Case Law	5
ENGL&	101	English Composition I	5
			15

Winter Quarter, First year			Credits
CJ	104	Intro to Law Enforcement	5
ENGL&	102	English Composition II	5
Social Science Distribution			5
			15

Spring Quarter, First year			Credits
POLS&	202	American Government	5
Humanities Distribution			5
Science Distribution			5
Science Distribution			5
			20

Summer Quarter, First year			Credits
CJ&	106	Juvenile Justice	5
CJ	114	Critical & Current Issues	5
Humanities Distribution			5
			15

Fall Quarter, Second year			Credits
CJ&	105	Intro to Corrections	OR
CJ&	240	Intro to Forensic Science	5
MATH&	107	Math in Society	OR
MATH&	146	Introduction to Stats	5
Health & Fitness Distribution			3
			13

Winter Quarter, Second year			Credits
PHIL	103	Intro to Ethics	5
Science Distribution			5
Social Science Distribution			5
			15

* Students interested in in fulfilling BASM program admission requirements should take a Quantitative Skills course.

** Students interested in fulfilling BASM program admission requirements should take ENGL& 101.

Emphasis: ***Crime Scene Investigation***
Degree: ***Certificate of Proficiency***

PURPOSE: To provide individuals with information and techniques used in forensic investigations.

PROGRAM OUTCOMES: Students who successfully complete this program should be able 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

Fall Quarter			Credits
CJ&	240	Intro to Forensic Science	5
MATH	100	Technical Math I	5
			10

Winter Quarter			Credits
CJ	129	Intro to Victimology	5
CJ	224	Criminal Interviews & Interrogations	5
COMM	101	Written Communications	3
			13

Spring Quarter			Credits
CJ	126	Homicide Investigation	5
CJ	225	Crime Scene Technology	5
HR	110	Human Relations-Workplace	5
			15

Summer Quarter			Credits
CJ	130	Domestic Violence & Abuse	5
CJ	223	Felony Investigations	5
CJ	228	Crime Scene Photography	5
			15

Dental Hygiene

See Pre-Dental Hygiene

Dentistry

See Pre-Medicine, Pre-Dentistry

Diesel Equipment Technology

Emphasis: ***Diesel Technology***
Degree: ***Associate in Applied Science***

PURPOSE: This 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, mining), agricultural equipment, or trucking. Centralia College has a transfer agreement partnership with Montana State University Northern, which enables a Centralia College graduate to attend the Bachelor of Science degree program in Diesel Technology at MSU Northern.

PROGRAM OUTCOMES: Students who successfully complete this program should be able to:

- Perform repair procedures using proper hand and power tools in a safe manner.
- Diagnose and repair electrical problems in failed circuits and components.
- Disassemble and re-assemble a twin countershaft transmission to proper specifications.
- Diagnose engine malfunctions and perform repairs as needed.
- Test and repair failed hydraulic systems.
- Diagnose repair and charge air conditioning systems using proper approved equipment.

Suggested Order of Classes

Fall Quarter, First Year			Credits
CNT	117	Windows OS	2
DET	100	Shop Skills	2
DET	101	Shop Skills lab	4
DET	125	Power Transmissions	3
DET	126	Power Transmissions lab	4
MATH	095	Basic Math*	5
			15-20

*If compass scoring is below college level, student will be required to take MATH 095 prior to MATH 116.

Winter Quarter, First Year			Credits
DET	110	Electrical Systems I Theory	3
DET	111	Electrical Systems I lab	4
DET	130	Mobile Hydraulics Theory	2
DET	131	Mobile Hydraulics lab	5
MATH	116	Industrial Mathematics	5
			19

Spring Quarter, First Year			Credits
COMM	101	Written Communication	3
DET	120	Engine I Theory	3
DET	121	Engine I lab	5
WELD	151	Welding Theory for Mechanics	3
WELD	152	Welding Procedures-Mechanics	5
			19

Fall Quarter, Second Year			Credits
DET	200	Electrical Systems II Theory	2
DET	201	Electrical Systems II lab	4
DET	215	Preventive Maintenance Theory	1
DET	216	Preventive Maintenance lab	2
DET	220	Engine II Theory	2
DET	221	Engine II lab	4
HLTH	145	Safety & Fitness	3
			18

Winter Quarter, Second Year			Credits
BTEC	191	Work Experience Seminar*	1
DET	210	Power Transmissions II Theory	1
DET	211	Power Transmissions II lab	2
DET	225	Heavy Duty Chassis Theory	4
DET	226	Heavy Duty Chassis lab	6
H R	110	Human Relations-Workplace	5
			19

Spring Quarter, Second Year			Credits
DET	230	Practical Applications Theory	3
DET	231	Practical Applications lab	5
	OR		
DET	190	Cooperative Work Experience**	8
DET	235	Mobile HVAC Theory	2
DET	236	Mobile HVAC lab	4
			14-17

*BTEC 191 can be taken any quarter prior to or in the same quarter as DET 190.

**A minimum of eight Cooperative Work Experience credits will substitute for DET 230 and 231.

Dramatic Arts

Emphasis: ***Dramatic Arts***
Degree: ***Associate in Arts***

PURPOSE: The drama program 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, of that school. This information may have a bearing on courses you choose to satisfy distribution requirements.

A maximum of 15 credits in DRMA 100 may be credited toward an Associate in Arts Degree. Up to 5 credits in DRAMA may be used as Humanities distribution credits.

Suggested Order of Classes

Fall Quarter, First Year			Credits
DRMA	107	Beginning Acting	5
ENGL&	101	English Composition I	5
Social Science Distribution			5
			15

Winter Quarter, First Year			Credits
DRMA&	101	Introduction to Theatre	5
ENGL&	102	Composition II	5
ENGL	204	Intro to Shakespeare	5
Health & Fitness Distribution			1
			16

Spring Quarter, First Year			Credits
DRMA	108	Intermediate Acting	5
DRMA	110	Stage Makeup	3
Elective			3-5
Science Distribution			5
			16-18

Fall Quarter, Second Year			Credits
Health & Fitness Distribution			1
Quantitative Skills Distribution			5
Science Distribution			5
Social Science Distribution			5
			16

Winter Quarter, Second Year			Credits
ENGL&	114	Intro to Dramatic Lit	5
Elective*			3-5
Health & Fitness Distribution			1
Social Science Distribution			5
			14-16

Spring Quarter, Second Year			Credits
DRMA	201	Advanced Acting	5
Humanities Distribution			3-5
Science Distribution			5
			13-15

*Recommended offerings include DRMA 115 and DRMA 120.

Early Childhood Education

Emphasis: Early Childhood Education
Degree: Associate in Arts

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

Fall Quarter First Year			Credits
ECED&	105	Intro to Early Child Ed	5
EDUC&	130	Guiding Behavior	3
EDUC&	150	Child/Family/Community	3
ENGL&	101	English Composition	5
			16

Winter Quarter, First Year			Credits
EDUC&	115	Child Development	5
ENGL&	102	Composition II	5
Health & Fitness Distribution			1
Science Distribution			5
			16

Spring Quarter, First Year			Credits
ECED&	160	Curriculum Development	5
SOC&	101	Intro to Sociology	5
Health & Fitness Distribution			1
Humanities Distribution			5
			16

Fall Quarter, Second Year			Credits
PSYC&	100	General Psychology	5
Science Distribution			5
Quantitative Skills Distribution			5
			15

Winter Quarter, Second Year			Credits
ECED&	190	Observation/Assessment	3
SPEE	110	Principles of Speech	5
Health & Fitness Distribution			1
Science Distribution			5
			14

Spring Quarter, Second Year			Credits
ECED	181	Language and Literacy	5
Humanities Distribution			5
Social Science Distribution			5
			15

Emphasis: Early Childhood Education
Degree: Associate in Applied Science

PURPOSE: 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.

Suggested Order of Classes

Fall Quarter, First Year			Credits
ECED&	105	Intro to Early Child Ed	5
ECED&	120	Practicum-Nurturing Rel	2
EDUC&	130	Guiding Behavior	3
EDUC&	150	Child/Family/Community	3
Health & Fitness Distribution			3
			16

Winter Quarter, First Year			Credits
ENGL&	101	English Composition I	5
			OR
COMM	101	Written Communication	3
ECED&	170	Environments-Young Child	3
ECED&	190	Observation/Assessment	3
EDUC&	115	Child Development	5
			14-16

Spring Quarter, First Year			Credits
ECED&	160	Curriculum Development	5
ECED	181	Language and Literacy	5
MATH	101	Foundational Math Concepts	5
			OR
BTEC	120	Applied Business Math	3
			13-15

Fall Quarter, Second Year			Credits
ECED&	107	Health/Safety/Nutrition	5
PSYC&	100	General Psychology	5
Humanities Distribution			5
			15

Winter Quarter, Second Year			Credits
EDUC&	136	School Age Care	3
ECED&	139	Admin Early Lrng Prog	3
HR	110	Human Relations-Workplace	5
SOC&	101	Intro to Sociology	5
			16

Spring Quarter, Second Year			Credits
ECED&	132	Infants/Toddlers Care	3
ECED	233	ECE Practicum II	5
EDUC&	134	Family Child Care	3
Science Distribution			5
			16

Emphasis: Early Childhood Education
Degree: Associate in Applied Science-Transfer

PURPOSE: This program 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. Some four-year institutions accept this AAS-T. Students are responsible for knowing the transfer and admission requirements of the receiving institution. Students should check with their advisor at Centralia College and a representative from the college they plan to attend. With four additional classes, this degree will transfer to any four-year institution.

PROGRAM OUTCOMES: Students who successfully complete this program should be able 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

Fall Quarter, First Year			Credits
ECED&	105	Intro Early Child Ed	5
ECED&	120	Practicum-Nurturing Rel	2
EDUC&	130	Guiding Behavior	3
ENGL&	101	English Composition I	5
			15

Winter Quarter, First Year			Credits
EDUC&	115	Child Development	5
ENGL&	102	Composition II	5
Science Distribution			5
			15

Spring Quarter, First Year			Credits
ECED	181	Language and Literacy	5
SOC&	101	Intro to Sociology	5
SPEE	110	Prin of Speech Communication	5
			15

Fall Quarter, Second Year			Credits
EDUC&	150	Child/Family/Community	3
H R	110	Human Relations-Workplace	5
Health & Fitness Distribution			3
Quantitative Distribution			5
			16

Winter Quarter, Second Year			Credits
ECED&	107	Health/Safety/Nutrition	5
ECED&	170	Environments	3
ECED&	190	Observation/Assessment	3
Humanities Distribution			5
			16

Spring Quarter, Second Year			Credits
ECED&	160	Curriculum Development	5
ECED	233	ECE Practicum II	5
PSYC&	100	General Psychology	5
			15

Emphasis: Early Childhood Education
Degree: Initial Certificate

PURPOSE: This certificate prepares students for employment in the child care field. This certificate also increases the knowledge and skills of people who currently work with children.

The Initial Certificate is the first of 3 "stackable" certificates that provide a foundation for the state early childhood education credential and associate degree. Students may enter any quarter and participate on a part-time schedule. Students may complete the certificate program, a degree program or take a single course of special interest.

PROGRAM OUTCOMES: Students who successfully complete this program should be able 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.

Courses			Credits
ECED&	105	Intro Early Child Ed	5
ECED&	107	Health/Safety/Nutrition	5
EDUC&	120	Practicum-Nurturing Rel	2
			12

Emphasis: Early Childhood Education
Degree: Short Certificate

PURPOSE: The ECE Short Certificate builds on the Initial Certificate as the second "stackable certificate". At this point developing professionals have 5 choices for areas of specialization: CE Genera., Infant/Toddler Care, School-Age Child Care, Family Child Care and ECE Administration. All short certificates provide a foundation for the State ECE Credential and associate degree

PROGRAM OUTCOMES: based upon the Washington State Early Childhood Education Core Competencies, students who successfully complete this program should be able 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.

Courses			Credits
ECED&	105	Intro Early Child Ed	5
ECED&	107	Health/Safety/Nutrition	5
ECED&	120	Practicum-Nurturing Rel	2

Early Childhood Education (General)

EDUC&	115	Child Development	5
EDUC&	130	Guiding Behavior	3
		OR	

Infant and Toddler Care

EDUC&	115	Child Development	5
EDUC&	132	Infants/Toddlers Care	3
		OR	

School-Age Care

EDUC&	115	Child Development	5
EDUC&	136	School Age Care	3
		OR	

Family Child Care

EDUC&	115	Child Development	5
ECED&	134	Family Child Care	3
		OR	

Administration

EDUC&	115	Child Development	5
ECED&	139	Admin of Early Lrng Prog	3
			20

Emphasis: Early Child Education
Degree: Certificate/State Credential

PURPOSE: The Early Childhood Education Certificate Program prepares students to compete for entry level employment in the child care 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: - Students who successfully complete this program should be able 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.

Recommended course schedule

Fall Quarter			Credits
ECED&	105	Intro Early Child Ed	5
ECED&	107	Health/Safety/Nutrition	5
ECED&	120	Practicum-Nurturing Rel	2
EDUC&	130	Guiding Behavior	3
		OR	
ECED&	132	Infants/Toddlers Care	3
		OR	
ECED&	134	Family Child Care	3
		OR	
ECED&	139	Admin of Early Lrng Prog	3
		OR	
EDUC&	136	School Age Care	3
			15

Winter Quarter			Credits
ECED&	190	Observation/Assessment	3
EDUC&	115	Child Development	5
EDUC&	150	Child/Family/Community	3
ECED&	170	Environments-Young Child	3
			14

Spring Quarter			Credits
MATH	101	Foundational Math Concepts *	5
		OR	
BTEC	120	Applied Business Math	3
ECED&	160	Curriculum Development	5
ECED	181	Language and Literacy	5
			13-15

Summer or Fall Quarter			Credits
COMM	101	Written Communication	3
		OR	
ENGL&	101	English Composition I **	5
HR	110	Human Relations-Workplace	5
			8-10

*ECE State Credential requires 5 credits of MATH above 100 level.

**ECE State Credential requires ENGL& 101.

Earth Sciences

Emphasis: **Geology**
Geography
Oceanography
Astronomy
Meteorology

Degree: **Associate in Science**

PURPOSE: The degree program in Earth Sciences 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 except in astronomy at the University of Washington, and reasonably assures qualification outside of the state. The program will not qualify students for junior standing in astronomy at the University of Washington because only one year of physics with calculus is offered at Centralia College.

Students not prepared to enter Math& 131 and CHEM& 121 should plan on more than four years to complete a bachelor's degree in one of the earth sciences. For those students, a three-year program of study at Centralia College, carefully planned with an advisor, is recommended.

Suggested Order of Classes

Fall Quarter, First Year			Credits
CHEM&	161	General Chem w/lab I	6
ENGL&	101	English Composition I	5
MATH	135	Precalculus Refresher	OR
MATH&	142	Precalculus II	5
			16

Winter Quarter, First Year			Credits
CHEM&	162	General Chem w/lab II	6
ENGL&	102	Composition II	OR
ENGL&	235	Technical Writing	5
MATH&	151	Calculus I	5
			16

Spring Quarter, First Year			Credits
CHEM&	163	General Chem w/lab III	6
MATH&	152	Calculus II	5
Health & Fitness Distribution			3
			14

Fall Quarter, Second Year			Credits
GEOL&	101	Intro to Physical Geology	5
PHYS&	221	Engineering Physics I	5
Humanities Distribution			OR
Social Science Distribution			5
			15

Winter Quarter, Second Year			Credits
MATH&	163	Calculus III	5
PHYS&	222	Engineering Physics II	5
SPEE	110	Prin of Speech Communication	5
			15

Spring Quarter, Second Year			Credits
MATH	212	Differential Equations	5
PHYS&	223	Engineering Physics III	5
Social Science Distribution			5
			15

Education

Degree: ***Associate in Arts***

PURPOSE: The Education program 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

Fall Quarter, First Year			Credits
ENGL&	101	English Composition I	5
PSYC&	100	General Psychology	5
Science Distribution			5
			15

Winter Quarter, First Year			Credits
ENGL&	102	Composition II	5
Content Elective			5
Health & Fitness Distribution			1
Humanities Distribution			5
			16

Spring Quarter, First Year			Credits
SPEE	110	Prin of Speech Communication	5
Health & Fitness Distribution			1
Science Distribution			5
Social Science Distribution			5
			16

Fall Quarter, Second Year			Credits
EDUC&	201	Intro to Education	3
EDUC	202	Classroom Observation	2
Health & Fitness Distribution			1
Quantitative Skills Distribution			5
Science Distribution			5
			16

Winter Quarter, Second Year			Credits
PSYC&	200	Lifespan Psychology	5
Content Elective			5
Humanities Distribution			5
			15

Spring Quarter, Second Year			Credits
EDUC	190	Cooperative Work Experience	OR
Elective			2
Content Elective			5
Social Science Distribution			5
			12

Electronics, Robotics & Automation

Emphasis: ***Electronics, Robotics & Automation***

Degree: ***Associate in Applied Science***

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.

In modern production facilities the plant is often under the control of machinery connected with Ethernet, DeviceNet or ControlNet.

Thus, this program has a strong component which includes computers and computer networking.

PROGRAM OUTCOMES: Students who successfully complete this program should be able to:

- Use electronic test equipment: digital multi-meters, oscilloscopes, function generators, power supplies.
- Troubleshoot series, series-parallel circuits.
- Troubleshoot circuits with active components.
- Program robotic arms and autonomous robots.
- Hook up motor controller circuitry such as magnetic motor starters.

Suggested Order of Classes

Fall Quarter, First Year			Credits
ELT	113	Cabling and Soldering	5
ELT	115	DC Electronics	5
ERA	150	Robotics I	3
MATH	100	Technical Math I	5
			18

Winter Quarter, First Year			Credits
COMM	101	Written Communication	3
ELT	121	AC Electronics	5
ERA	120	Sensor Technology	3
ERA	151	Mechanical Systems	3
MATH	110	Technical Math II	3
			17

Spring Quarter, First Year			Credits
ELT	133	Solid State Electronics	5
ELT	137	Power Supplies	5
ERA	250	Automation I	4
HLTH	145	Safety & Fitness	3
			17

Fall Quarter, Second Year			Credits
CST	224	Java	5
ELT	212	Computer Electronics I	4
ELT	213	Small Signal Amplifiers	5
ERA	251	Automation II	4
			18

Winter Quarter, Second Year			Credits
ELT	222	Computer Electronics II	5
ELT	223	Large Signal Amplifiers	5
ELT	238	Network Technology I	4
ERA	230	Robotics II	4
			18

Spring Quarter, Second Year			Credits
ELT	235	Communication Systems	5
ERA	270	Robotics III	4
H R	110	Human Relations-Workplace	5
			14

Automation Maintenance Technician

Emphasis: ***Automation Maintenance Technician***

Degree: ***Certificate of Proficiency***

PURPOSE: This program is designed to prepare students for occupations installing and replacing electric motors, replacing and repairing electronic sensors, working with pneumatic devices, doing simple programming of Programmable Logic Controllers and servicing production lines centered around conveyor systems.

Suggested Order of Classes

Fall Quarter, First Year			Credits
ELT	113	Cabling and Soldering	5
ELT	115	DC Electronics	5
MATH	100	Technical Math I	5
			15

Winter Quarter, First Year			Credits
COMM	101	Written Communications	3
ELT	121	AC Electronics	5
ERA	120	Sensor Technology	3
ERA	151	Mechanical Systems	3
			14

Spring Quarter, First Year			Credits
ELT	201	Solid State Devices	5
ERA	250	Automation I	4
H R	110	Human Relations-Workplace	5
			14

Summer Quarter, First Year			Credits
ELT	212	Computer Electronics I	5
ERA	150	Robotics I	3
ERA	251	Automation II	4
			12

Electronics Assembler

Degree: ***Certificate of Completion***

PURPOSE: To be able to compete for work as an Electronics Assembler. Many electronics manufacturers hire assemblers to assemble electronics subassemblies or complete products. While these jobs do not require the extensive knowledge of an electronics technician, they do require knowledge about electronic components and assembly techniques. Examples of companies that hire assemblers are Boeing, John Fluke Co., Rane, and Hewlett-Packard.

PROGRAM OUTCOMES: Students who successfully complete this program should be able to:

- Discuss and demonstrate proper use of hand tools and safety procedures in the workplace.
- Decode resister values using the EIA resistor color code.
- Identify electronic components and draw the schematic symbols for the components
- Analyze series and parallel circuits.
- Use Breadboard DC series and parallel circuits.
- Discuss advantages and disadvantages of various soldering types.
- Demonstrate soldering skills.
- Demonstrate how to modify or repair damaged printed.

Certificate Requirements - Any Quarter

ELT	113	Cabling and Soldering	5
ELT	115	DC Electronics	5
MATH	100	Technical Math I	5
			15

Energy Technology

Emphasis: ***Energy Technology Power Operations***

Degree: ***Associate in Applied Science***

PURPOSE: Prepares students to compete for employment in the Power Generation Industry.

Centralia College is designated as Washington State's Center of Excellence for Energy Technology and is supported by statewide energy industry and labor leaders. The Energy Technology degree offers coursework in traditional sources of power generation as well as renewable energy and energy efficiency. The program prepares students for entry level positions such as power plant assistant control operator, technician, and other high voltage apprenticeships.

PROGRAM OUTCOMES: Students who successfully complete this program should be able to:

- Understand and operate electrical systems.
- Understand the components used in the transmission of electricity.
- Specialize in power generating, power transmission, metering, substation operations, plant mechanics, or boiler operations.

Suggested Order of Classes

Fall Quarter, First Year			Credits
ENGL&	101	English Composition I	5
MATH	100	Technical Math I	5
PPO	100	Introduction to Energy Industry	5
			15

Winter Quarter, First Year			Credits
ENGL&	235	Technical Writing	5
MATH	110	Technical Math II	3
PPO	102	Power Generation	5
PPO	120	Print Reading	4
			17

Spring Quarter, First Year			Credits
BTEC	210	Word I	5
BTEC	214	Excel I	5
PPO	103	Electric Utility Distribution	5
PPO	130	Industrial Safety	5
			20

Summer Quarter, Optional			Credits
PPO	191	Power Plant Job Prep	4

Fall Quarter, Second Year			Credits
H R	110	Human Relations-Workplace	5
PPO	201	Plant Systems & Equipment	5
Elective Credits			8
			18

Winter Quarter, Second Year			Credits
ENVS&	100	Survey of Env Science	5
PPO	202	Plant Maintenance	5
Elective Credits			5
			15

Spring Quarter Second Year			Credits
HLTH	145	Safety & Fitness	3
PPO	203	Refrigeration & HVAC	5
Elective Credits			5
			13

Recommended Elective Courses:

BUS&	101	Introduction to Business	5
CET	112	Computer Aided Drafting	3
ELT	115	DC Electronics	5
ELT	121	AC Electronics	5
PHYS&	100	Physics: Non-Science Majors	5
PPO	150	Energy Efficiency	3
Computer Courses			
Basic Welding			

Engineering

Emphasis: ***Bioengineering and Chemical Engineering***

Degree: ***Associate in Science-MRP***

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 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 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

Fall Quarter, First Year			Credits
CHEM&	161	General Chem w/lab I	6
ENGL&	101	English Composition I	5
ENGR	100	Intro to Engineering	2
Elective, Humanities, or Social Science Distribution			5
			18

Winter Quarter, First Year			Credits
CHEM&	162	General Chem w/lab II	6
MATH&	151	Calculus I	5
Health & Fitness Distribution			3
			14

Spring Quarter, First Year			Credits
CHEM&	163	General Chem w/lab III	6
MATH&	152	Calculus II	5
Elective, Humanities, or Social Science Distribution			5
			16

Fall Quarter, Second Year			Credits
CHEM&	261	Organic Chemistry I	6
PHYS&	221	Engineering Physics I	5
Elective, Humanities, or Social Science Distribution			5
			16

Winter Quarter, Second Year			Credits
MATH&	163	Calculus III	5
PHYS&	222	Engineering Physics II	5
Elective, Humanities, or Social Science Distribution			5
			15

Spring Quarter, Second Year			Credits
MATH	212	Differential Equations	5
PHYS&	223	Engineering Physics III	5
ENGR&	214	Statics	5
			15

If you need review prior to Calculus I (MATH& 151, you may take Precalculus Refresher (MATH 135) fall quarter, first year. Check for specific prerequisite for transfer institutions, particularly natural science and foreign language requirements.

Choose one elective from CS& 131, 141, MATH 118, 264, BIOL& 221, CHEM& 262

Emphasis: ***Computer and Electrical Engineering***

Degree: ***Associate in Science-MRP***

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 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 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

Fall Quarter, First Year			Credits
CHEM&	161	General Chem w/lab I	6
ENGL&	101	English Composition I	5
ENGR	100	Intro to Engineering	2
Humanities OR Social Science Distribution			5
			18

Winter Quarter, First Year			Credits
MATH&	151	Calculus I	5
ENGL&	235	Technical Writing	5
Health & Fitness Distribution			3
Humanities OR Social Science Distribution			5
			18

Spring Quarter, First Year			Credits
CS&	131	Computer Science I C++	OR
CS&	141	Computer Science I Java	5
MATH&	152	Calculus II	5
ENGR&	214	Statics	5
			15

Fall Quarter, Second Year			Credits
MATH	118	Linear Algebra	5
PHYS&	221	Engineering Physics I	5
Humanities OR Social Science Distribution			5
			15

Winter Quarter, Second Year			Credits
ENGR	203	Applied Numerical Methods	5
ENGR&	215	Dynamics	5
MATH&	163	Calculus III	5
PHYS&	222	Engineering Physics II	5
			20

Spring Quarter, Second Year			Credits
ENGR&	204	Electrical Circuits	5
MATH	212	Differential Equations	5
MATH	264	Calculus IV	3
PHYS&	223	Engineering Physics III	5
			18

If you need review prior to MATH& 151 Calculus I, you should take MATH 135 Precalculus Refresher Fall Quarter, First year.

Emphasis: ***Mechanical & Civil Engineering***

Degree: ***Associate in Science-MRP***

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

Fall Quarter, First Year			Credits
CHEM&	161	General Chem w/lab I	6
ENGL&	101	English Composition I	5
ENGR	100	Intro to Engineering	2
Social Science Distribution			5
			18

Winter Quarter, First Year			Credits
CHEM&	162	General Chem w/lab II	6
MATH&	151	Calculus I	5
Humanities Distribution			5
			16

Spring Quarter, First Year			Credits
ENGR&	214	Statics	5
MATH&	152	Calculus II	5
Health & Fitness Distribution			3
Humanities OR Social Science Distribution			5
			18

Fall Quarter, Second Year			Credits
ENGR&	225	Mechanic of Materials	5
MATH	118	Linear Algebra	5
PHYS&	221	Engineering Physics I	5
			15

Winter Quarter, Second Year			Credits
ENGR&	215	Dynamics	5
MATH&	163	Calculus III	5
PHYS&	222	Engineering Physics II	5
ENGR	203	Applied Numerical Methods	5
			20

Spring Quarter, Second Year			Credits
ENGR&	204	Electrical Circuits	5
MATH	212	Elementary Differential Equations	5
MATH	264	Calculus IV	3
PHYS&	223	Engineering Physics III	5
			18

Electives must include a minimum of 2 or more courses chosen from Calculus IV, Technical Writing, and Electrical Circuits.

If you need review prior to MATH& 151 Calculus I, you should take MATH 135 Precalculus Refresher Fall Quarter, First year.

English

Emphasis: ***English***

Degree: ***Associate in Arts***

PURPOSE: The English program 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 credits of lower-level English courses as meeting minimum requirements toward a major in English. English credits taken at Centralia College beyond the 10-15 acceptable credits at the baccalaureate institution will be considered elective credits and may or may not fulfill English major requirements at the baccalaureate transfer institution.

Suggested Order of Classes

Fall Quarter, First Year			Credits
ENGL&	101	English Composition I	5
Humanities Distribution			5
Social Science Distribution			5
			15

Winter Quarter, First Year			Credits
ENGL&	102	Composition II	5
Elective (Literature or Creative Writing)			5
Humanities Distribution			5
			15

Spring Quarter, First Year			Credits
Elective (Literature Class)			5
Health & Fitness Distribution			3
Quantitative Distribution			5
Social Science Distribution			5
			18

Fall Quarter, Second Year			Credits
Elective (Literature Class)			5
Humanities Distribution			5
Science Distribution			5
			15

Winter Quarter, Second Year			Credits
Elective (Literature or Creative Writing)			5
Science Distribution			5
Social Science Distribution			5
			15

Spring Quarter, Second Year			Credits
Elective (Literature Class)			5
Humanities Distribution			5
Science Distribution			5
			15

It is recommended students take one History class to satisfy a distribution requirement.

Environmental Studies

Emphasis: ***Environmental Studies***

Degree: ***Associate in Arts***

PURPOSE: The AA 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.

Fall Quarter, First Year			Credits
BIOL&	100	Survey of Biology	5
ENGL&	101	English Composition I	5
Humanities Distribution			5
			15

Winter Quarter, First Year			Credits
ENVS&	100	Survey of Enviro Science	5
Social Science Distribution			5
Elective			5
			15

Spring Quarter, First Year			Credits
ENGL&	102	Composition II	5
CHEM&	121	Intro to Chemistry	5
Humanities Distribution			5
			15

Fall Quarter, Second Year			Credits
GEOL&	101	Intro to Physical Geology	5
MATH&	146	Introduction to Stats	5
Social Science Distribution			5
			15

Winter Quarter, Second Year			Credits
HLTH	130	Health and Wellness	3
Social Science Distribution			5
Electives			7
			15

Spring Quarter, Second Year			Credits
Humanities Distribution			5
Electives			10
			15

Recommend choosing one from the following:

Select three Social Science distribution classes, one class from each of the following disciplines:
ANTH& 100, 206, 225, OR GEOG& 200
ECON& 202 or ECON& 201
POLS& 101 OR POLS& 202

Select Humanities distribution classes from the following:
SPEE 110 Prin of Speech Communication,
PHIL& 101 Introduction to Philosophy

Plus five (5) credits of foreign language or other Humanities distribution
Additional Science classes are recommended for electives: BIOL& 221, 222, 223; BOTA 113, 150; GEOG 201, and GEOL 108, 208

Environmental Science

Emphasis: ***Environmental Science***

Degree: ***Associate in Science***

PURPOSE: The AS 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.

Fall Quarter, First Year			Credits
CHEM&	161	General Chem w/lab I	6
ENGL&	101	English Composition I	5
ENVS&	100	Survey of Env Science	5
			16

Winter Quarter, First Year			Credits
CHEM&	162	General Chem w/lab II	6
GEOL&	101	Intro to Physical Geology	5
MATH&	142	Precalculus II	5
			16

Spring Quarter, First Year			Credits
CHEM&	163	General Chem w/lab III	6
ECON&	201	Microeconomics	5
MATH&	151	Calculus I	5
			16

Fall Quarter, Second Year			Credits
BIOL&	221	Majors Ecology/Evolution	5
MATH&	152	Calculus II	5
PHYS&	221	Engineering Physics I	5
			15

Winter Quarter, Second Year			Credits
BIOL&	222	Majors Cell/Molecular	5
MATH&	146	Introduction to Stats	OR
MATH&	163	Calculus	5
SPEE	110	Prin of Speech Communication	5
			15

Spring Quarter, Second Year			Credits
BIOL&	223	Majors Organismal Phys	5
HLTH	130	Health & Wellness	3
Humanities or Social Science Distribution			5
			13

Check for specific prerequisite for transfer institutions, particularly natural science and foreign language requirements.

Exercise Science

See Physical Education, Health and Recreation

Fine Arts

Emphasis: ***Fine Arts***
Degree: ***Associate in Arts***

PURPOSE: The AA degree with a Fine Arts emphasis is for students 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 provides 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

Fall Quarter, First Year			Credits
ART&	100	Art Appreciation	5
ART	110	Design	4
Humanities Distribution			5
			14

Winter Quarter, First Year			Credits
ART	111	Sculpture	5
ENGL&	101	English Composition I	5
Social Science Distribution			15
			15

Spring Quarter, First Year			Credits
ART	102	Drawing I	5
ENGL&	102	Composition II	5
Science Distribution			5
			15

Fall Quarter, Second Year			Credits
ART	200	Art History: Ancient	5
Science Distribution			5
Quantitative Skill			5
			15

Winter Quarter, Second Year			Credits
ART	201	Art History: 15th-17th C	5
Health & Fitness Distribution			3
Science Distribution			5
Social Science Distribution			3
			16

Spring Quarter, Second Year			Credits
ART	202	Art History: 18th-20th C	5
Humanities Distribution			5
Social Science Distribution			5
			15

Foreign Languages

Emphasis: ***Chinese***
French
Spanish
Degree: ***Associate in Arts or***
Associate in Liberal Arts

PURPOSE: Designed for transfer but is also appropriate for anyone who wishes a solid foundation in Chinese, French, 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.

Fall Quarter, First Year			Credits
CHIN&, FRCH&, or SPAN&	121		5
ENGL&	101	English Composition I	5
Quantitative Skill			5
			15

Winter Quarter, First Year			Credits
CHIN&, FRCH&, or SPAN&	122		5
ENGL&	102	Composition II	5
ANTH&	206	Cultural Anthropology	5
Health & Fitness Distribution			1
			16

Spring Quarter, First Year			Credits
CHIN&, FRCH&, or SPAN&	123		5
SPEE	250	Intercultural Communications	5
Science Distribution			5
			15

Fall Quarter, Second Year			Credits
SPAN&	221	Spanish IV	OR
Elective (for Chinese and French majors)			5
Humanities Distribution			5
Social Science Distribution			5
Health & Fitness Distribution			1
			16

Winter Quarter, Second Year			Credits
SPAN&	222	Spanish VI (for Spanish majors)	OR
Elective (for Chinese and French majors)			5
Social Science Distribution			5
Science Distribution			5
Health & Fitness Distribution			1
			16

Spring Quarter, Second Year			
SPAN&	223	Spanish VI (for Spanish majors)	or
Elective (for Chinese and French majors)			5
Elective			5
Science Distribution			5
			15

To qualify for this degree students must complete a minimum of 90 credits in courses numbered 100 or above.

Foreign language majors are encouraged to include courses in Anthropology, Political Science, Business, Education, Criminal Justice or Medical and Legal Terminology, depending on focus.

Geography

See Earth Sciences

Geology

See Earth Sciences

General Engineering

See Engineering

General Science Education

Emphasis: ***General Science Education***
Degree: ***Associate in Science-MRP***

PURPOSE: This Major Related Program is intended to prepare students who want to be secondary general science teachers. Students who complete this degree will have completed lower division general education requirements as well as the prerequisites for a major in general science.

Suggested Order of Classes

Fall Quarter, First Year			Credits
CHEM&	161	General Chem w/lab I	6
ENGL&	101	English Composition I	5
Health & Fitness Distribution			1
Humanities or Social Science Distribution			5
			17

Winter Quarter, First Year			Credits
CHEM&	162	General Chem w/lab II	6
ENGL&	235	Technical Writing	5
MATH&	151	Calculus I	5
			16

Spring Quarter, First Year			Credits
CHEM&	163	General Chem w/lab III	6
MATH&	152	Calculus II	5
SPEE	110	Prin of Speech Communication	5
Health & Fitness Distribution			1
			17

Fall Quarter, Second Year			Credits
PSYC&	100	General Psychology	5
Science Distribution*			5-6
Science Distribution**			5
			15-16

Winter Quarter, Second Year			Credits
EDUC&	201	Intro to Education	3
Health & Fitness Distribution			1
Science Distribution*			5-6
Science Distribution**			5
			14-15

Spring Quarter, Second Year			Credits
EDUC	202	Classroom Observation	2
MATH&	146	Introduction to Stats	5
Science Distribution*			5-6
Science Distribution**			5
			17-18

*15 quarter credits from the following sequences: Biology of Majors (BIOL& 221,222,223) or Engineering Physics (PHYS& 221,222,223)

**10-15 quarter credits in physics, geology, organic chemistry, biology or mathematics, consisting of courses normally taken for science majors (not general education), preferably in a 2 or 3 quarter sequence.

Graphic Design

Emphasis: ***Graphic Design***
Degree: ***Associate in Arts***

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 AA 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

Fall Quarter, First Year			Credits
ART	110	Design	4
ENGL&	101	English Composition	5
Health & Fitness Distribution			1
Humanities Distribution			5
			15

Winter Quarter, First Year			Credits
ART	201	Art History: 15th-17th C	5
JOUR	160	Intro to Mass Media	5
Health & Fitness Distribution			1
Quantitative Skills Distribution			5
			16

Spring Quarter, First Year			Credits
ART	102	Drawing I	5
ART	202	Art History: 18th-20th C	5
ENGL&	102	Composition II	5
Health & Fitness Distribution			1
			16

Fall Quarter, Second Year			Credits
ART	130	Computer Graphics	5
Science Distribution			5
Social Science Distribution			5
			15

Winter Quarter, Second Year			Credits
ART	135	Graphic Design	5
Science Distribution			5
Social Science Distribution			5
			15

Spring Quarter, Second Year			Credits
ART	174	Digital Photography	5
Science Distribution			5
Social Science Distribution			5
			15

Recommended distribution for Graphic Design majors:

SPEE	110	Prin of Speech Communication	5

History

Emphasis: ***History***

Degree: ***Associate in Arts***

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 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

Fall Quarter, First Year			Credits
ENGL&	101	English Composition I	5
HIST&	116	Western Civilization I	5
HUM	110	Cultural Ethics	5
			15

Winter Quarter, First Year			Credits
ENGL&	102	Composition II	5
HIST&	117	Western Civilization II	5
Health & Fitness Distribution			1
Science Distribution			5
			16

Spring Quarter, First Year			Credits
ECON&	202	Macroeconomics	5
HIST&	118	Western Civilization III	5
Health & Fitness Distribution			1
Quantitative Skills Distribution			5
			16

Fall Quarter, Second Year			Credits
ANTH&	100	Survey of Anthropology	5
HIST&	146	U.S. History I	5
Science Distribution			5
			15

Winter Quarter, Second Year			Credits
ENGL	260	Non-Western World Lit.	5
HIST&	147	U.S. History II	5
Health & Fitness Distribution			1
Science Distribution			5
			16

Spring Quarter, Second Year			Credits
HIST&	148	U.S. History III	5
POLS&	202	American Government	5
Humanities Distribution			5
			15

Humanities

Emphasis: ***Humanities***

Degree: ***Associate in Arts***

PURPOSE: The Associate in Arts degree with 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.

Students are urged to consult with their advisor before selecting electives. This will allow coordination of electives with desired career goal.

Suggested Order of Classes

Fall Quarter, First Year			Credits
ENGL&	101	English Composition I	5
HUM&	116	Humanities I	5
Quantitative Skills Distribution			5
			15

Winter Quarter, First Year			Credits
ENGL&	102	Composition II	5
HUM&	117	Humanities II	5
Science Distribution			5
			15

Spring Quarter, First Year			Credits
HIST&	118	Western Civilization III	5
HUM&	118	Humanities III	5
PSYC&	100	General Psychology	5
Health & Fitness Distribution			3
			18

Fall Quarter, Second Year			Credits
ENGL&	244	American Literature	5
HUM	110	Ethics & Cultural Values	5
SPEE	110	Prin of Speech Communication	5
			15

Winter Quarter, Second Year			Credits
HUM	270	Survey of Film	5
SOC&	101	Intro to Sociology	5
Science Distribution			5
			15

Spring Quarter, Second Year			Credits
MUSC	140	History of American Music	5
Science Distribution			5
Elective			2
			12

Mathematics

Emphasis: ***Mathematics***

Degree: ***Associate in Arts***

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.

Suggested Order of Classes

Fall Quarter, First Year			Credits
MATH&	135	Precalculus Refresher	OR
Elective (M) (Depends on placement)			5
Health & Fitness Distribution			1
Humanities Distribution			5
Social Science Distribution			5
			16

Winter Quarter, First Year			Credits
ENGL&	101	English Composition I	5
MATH&	151	Calculus I	5
MATH	156	Calculus lab	1
Social Science Distribution			5
			16

Spring Quarter, First Year			Credits
ENGL&	102	Composition II	5
MATH&	152	Calculus II	5
Health & Fitness Distribution			1
Social Science Distribution			5
			16

Fall Quarter, Second Year			Credits
MATH	118	Linear Algebra	5
Humanities Distribution			5
Science Distribution			5
			15

Winter Quarter, Second Year			Credits
MATH&	163	Calculus III	5
Humanities Distribution			5
Science Distribution			5
			15

Spring Quarter, Second Year			Credits
MATH	212	Differential Equations	5
MATH	264	Calculus IV	3
Health & Fitness Distribution			1
Science Distribution			5
			14

Recommended Courses

BIOL&	221, 222, 223	5
MATH	&146, 228	5
PHYS&	104, 105, 106, 221, 222, 223	5
BIOL&	241, 242	5

Mathematics Education

Emphasis: ***Mathematics Education***

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

PURPOSE: This is a Major Related Program 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

Fall Quarter, First Year			Credits
ENGL&	101	English Composition I	5
MATH	135	Precalculus Refresher	OR
MATH&	146	Introduction to Stats	5
Humanities Distribution			5
			15

Winter Quarter, First Year			Credits
ENGL&	102	Composition II	5
MATH&	151	Calculus I	5
SPEE	110	Prin of Speech Communication	5
			15

Spring Quarter, First Year			Credits
PSYC&	100	General Psychology	5
MATH&	152	Calculus II	5
Humanities Distribution			5
			15

Fall Quarter, Second Year			Credits
MATH	118	Linear Algebra	5
Science Distribution*			5
Social Science Distribution			5
			15

Winter Quarter, Second Year			Credits
EDUC&	201	Intro to Education	3
MATH&	163	Calculus III	5
Health & Fitness Distribution			3
Social Science Distribution			5
			16

Spring Quarter, Second Year			Credits
EDUC	202	Classroom Observation	2
MATH	264	Calculus IV	3
Humanities Distribution			5
Science Distribution*			5
			15

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

Media Studies

Emphasis: ***Radio Broadcasting Television Production***

Degree: ***Associate in Arts***

PURPOSE: The Media Studies program is designed for students interested in transferring to a four-year college or university to complete a bachelor's degree in Electronic Media which includes: Radio, Television, Video Production, Film Broadcast Journalism and Sports Announcing. In some cases this program is equally suited for students interested in a two-year terminal degree prior to entry in the media field.

The Electronic Media facilities at Centralia College are unique among Washington State community colleges. Students learn on professional audio and video equipment and are provided experience in numerous areas of production. KCED-FM , a fully equipped radio station authorized by the Federal Communications Commission, is operated by students in the Media Studies programs. Those students desiring an emphasis in radio broadcasting have ample opportunity for live "on-the-air" experience in broadcasting as well as studio production experience. The Centralia College television studio and production facilities are well equipped and provide experience in taping, directing, editing and producing. Students who transfer to a four year college should consult their advisors for choice of distribution credit and elective courses.

Suggested Order of Classes

Fall Quarter, First Year			Credits
ENGL&	101	English Composition I	5
M ST	230	Radio Broadcasting*	5
M ST	260	Intro to Television & Video Production	5
Social Science Distribution			5
			20

Winter Quarter, First Year			Credits
ENGL&	102	Composition II	5
M ST	231	Advanced Radio Broadcasting*	5
M ST	261	Advanced Television & Video Production	5
Humanities Distribution			5
			20

Spring Quarter, First Year			Credits
JOUR	160	Intro to Mass Media	5
M ST	220	Broadcast News and Prod	4
Health & Fitness Distribution			1
Science Distribution			5
			15

Fall Quarter, Second Year			Credits
M ST	271	Radio Broadcasting Intern**	OR
M ST	281	Television Internship	1
Humanities Distribution			5
Social Science Distribution			5
Science Distribution			5
			16

Winter Quarter, Second Year			Credits
M ST	272	Radio Broadcasting Intern**	OR 2
M ST	281	Television Internship	1
Health & Fitness Distribution			1
Social Science Distribution			5
Science Distribution			5
			12-13

Spring Quarter, Second Year			Credits
M ST	273	Radio Broadcasting Intern**	OR 3
M ST	281	Television Internship	1
Academic Elective			5
Health & Fitness Distribution			1
Quantitative Skills Distribution			5
			12-14

* Radio Majors

**In cooperation with a professional radio or TV company, a student may enroll in MST 190, Cooperative Work Experience. A student may receive up to 12 credits for learning that occurs on the job. Attendance at a Work Experience Seminar is required. You must take the Work Experience Seminar before or in the same quarter as the Co-op course.

Media Studies–Film

Emphasis: ***Media Studies-Film***

Degree: ***Associate in Arts***

PURPOSE: The Media Studies program is designed for students interested in transferring to a four-year college or university to complete a bachelor's degree in Electronic Media. In some cases this program is equally suited for students interested in a two-year terminal degree prior to entry in the media field. The Electronic Media facilities at Centralia College are unique among Washington State community colleges. Students learn on professional audio and video equipment and are provided experience in numerous areas of production.

For students interested primarily in Television and Film the Centralia College television studio and production facilities are well equipped and provide experience in taping, directing, editing and producing.

Classes will help students attain skills in camera work, studio and field production. Lighting, running an audio board, writing, directing, producing and editing short video projects are also covered. The Media Studies program in conjunction with the Drama department also offers students the opportunity to learn some set design and building crafts as well as lighting techniques and skills.

Students in the Television and Film classes will have the opportunity to participate in live productions including broadcast of College Basketball games, community forums as well as help in recording the College Musical. Students who transfer to a four-year college should consult their advisors for choice of distribution credit and elective courses.

Suggested Order of Classes

Fall Quarter, First Year			Credits
DRMA	106	Intro to Stage Craft	3
ENGL&	101	English Composition I	5
M ST	260	Intro to Television and Video Production	5
Social Science Distribution			5
			18

Winter Quarter, First Year			Credits
DRMA	111	Stage Lighting	3
ENGL&	102	Composition II	5
HUM	270	Survey of Film Studies	5
M ST	261	Adv. Television and Video Production	5
			18

Spring Quarter, First Year			Credits
DRMA	103	Set Design	3
DRMA	120	Intro to Playwriting	5
M ST	262	Television Production	3
Health & Fitness Distribution			3
			14

Fall Quarter, Second Year			Credits
DRMA	107	Beginning Acting	5
M ST	281	Television Internship	1
Quantitative Skills Distribution			5
Science Distribution			5
			16

Winter Quarter, Second Year			Credits
JOUR	160	Into to Mass Media	5
Science Distribution			5
Social Science Distribution			5
			15

Spring Quarter, Second Year	Credits
Academic Elective	5
Science Distribution	5
Social Science Distribution	5
	15

Media Studies–Sports Announcing and Production

Emphasis: ***Sports Announcing/ Production***

Degree: ***Associate in Arts***

PURPOSE: The Media Studies program is designed for students interested in transferring to a four-year college or university to complete a bachelor's degree in Electronic Media. In some cases this program is equally suited for students interested in a two-year terminal degree prior to entry in the media field. The Electronic media facilities at Centralia College are unique among Washington State community colleges.

Students learn on professional audio and video equipment and are provided experience in numerous areas of production. Students primarily interested in Sports Announcing have the opportunity to perfect their skills on campus radio station KCED-FM, on live broadcasts over the local cable access channel and in the college's television studio and production rooms. Classes and practical application will help students develop skills sports announcers use to broadcast and report on sporting events.

Students also have the opportunity to host their own sports discussion show on KCED as well as calling the play by play action of college basketball, baseball and local high school football games.

Instruction on vocal techniques, production, conducting and recording interviews, writing and research as well as specific duties of each member of a broadcast booth will be covered. Students who transfer to a four-year college should consult their advisors for choice of distribution credit and elective courses.

Suggested Order of Classes

Fall Quarter, First Year			Credits
ENGL&	101	English Composition I	5
M ST	125	Intro to Sport Broadcast	1
M ST	126	Sports Announcing for Football	1
M ST	230	Radio Broadcasting	5
Social Science Distribution			5
			17

Winter Quarter, First Year			Credits
ENGL&	102	Composition II	5
M ST	127	Sports Announcing for Basketball	1
M ST	231	Adv Radio Broadcast	5
Health & Fitness Distribution			1
Social Science Distribution			5
			17

Spring Quarter, First Year			Credits
JOUR	160	Intro to Mass Media	5
M ST	128	Sports Announcing for Baseball	1
M ST	220	Intro to Broadcast News & Production	4
Health & Fitness Distribution			1
Science Distribution			5
			16

Fall Quarter, Second Year			Credits
JOUR	106	Intro to News Writing	5
M ST	260	Television Broadcasting and Production	5
SPEE	110	Prin of Speech Communication	5
Quantitative Skills Distribution			5
			20

Winter Quarter, Second Year			Credits
DRMA	107	Beginning Acting	5
JOUR	107	Intro to News Writing II	3
M ST	261	Adv. Television and Video Production	3
Science Distribution			5
			16

Spring Quarter, Second Year			Credits
M ST	262	Television Production	3
Health & Fitness Distribution			1
Science Distribution			5
Social Science Distribution			5
			14

Recommended Classes:

JOUR 111, 112, 113 - Newspaper Staff I-III (3-5)

Medicine

See Pre-Medicine, Pre-Dentistry

Meteorology

See Earth Science

Nursing-Registered

Major: ***Nursing (RN)***

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

PURPOSE: The RN nursing program at Centralia College is designed to prepare men and women 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 year for the RN program. RN students must apply for admission to the program. Students wishing to enter the RN program must meet all of the prerequisite courses, grade point average requirements, and have Nurse Aide Certification in Washington State. Complete RN admission application materials are available through the Centralia College Office of Admissions & Records. Applications are due in April; course completed through Spring quarter will be considered. (Subject to change.)

If you are admitted to the RN program, you must then provide consent forms and immunization records to the Nursing Director and attend a mandatory orientation session. Before beginning clinicals, Nationwide and Washington State specific background checks will be obtained. This includes a criminal records check required by clinical facilities in order to be at those clinical sites. You also must show proof of current Basic Life Support (BLS) for Health Care Providers (HCP).

PROGRAM OUTCOMES: Students who successfully complete this program should be able to meet the Program Objectives associated with the following nursing roles:

- Caregiver-Provides nursing care interventions that demonstrate safety and a personal sense of accountability and commitment.
- Decision Maker-Uses decision making as a purposeful, self-regulated process that incorporates critical thinking in the consideration of evidence, contexts, conceptualizations, methods and criteria.
- Communicator-Demonstrates interactive communication processes (verbal, nonverbal, written, or through technology) that express advocacy, caring, compassion and cultural awareness.
- Teacher-Transmits health information, evaluates responses to teaching, and modifies teaching based on identified responses to promote and facilitate informed decision making, achieve positive outcomes and support self-care activities.

- Manager/Leader-Uses human, physical, financial and technological resources efficiently and effectively to meet client needs and support organizational outcomes. Possesses the ability to guide, teach, motivate, direct, and influence others to attain goals through cooperation and open professional communication in shared planning, decision making, problem solving and goal setting.
- Professional-Respects individual rights and professional standards, adheres to the nurse practice act and demonstrates honesty and integrity in behaviors characterized by commitment to others, appreciation for the values of the nursing profession, and participation in professional development activities.
- Researcher-Applies the scientific method to gain new knowledge, discover solutions to problems, advance the profession of nursing, and improve the delivery of nursing and health care.

Prerequisites			**Credits**
CHEM&	121	Intro to Chemistry	5
ENGL&	101	English Composition I	5
MATH&	146	Introduction to Stats	5
PSYC&	200	Lifespan Psychology	5
BIOL&	241	Human A & P 1	5
BIOL&	242	Human A & P 2	5
NAC Certification			

Core Requirements			**Credits**
Courses which are recommended to be taken prior to admission into the Nursing Program.			
BIOL&	260	Microbiology	5
SPEE	110	Prin of Speech Communication	5
ANTH&	206	Cultural Anthropology	OR
SOC&	101	Intro to Sociology	5
Health & Fitness Distribution			3

Nursing Courses			**Credits**
First Year, Fall Quarter			
NURS	101	Basic Nursing Care Concepts	12
First Year, Winter Quarter			
NURS	102	Common Alterations I	12
First Year, Spring Quarter			
NURS	103	Common Alterations II	12
Second Year, Fall Quarter			
NURS	201	Mental Health and Lifespan	10
NURS	220	Management & Leadership	2
			12
Second Year, Winter Quarter			**Credits**
NURS	202	Complex Alterations	12
Second Year, Spring Quarter			**Credits**
NURS	203	Complex Management	8
NURS	222	Transition to Practice	4
			12

Medical Assistant

Emphasis: ***Medical Assistant***

Degree: ***Associate in Technical Arts***

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: Students who successfully complete this program should be able 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 and 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 medical office procedures/processes, including infection control guidelines (Standard Precautions) as determined by the Center for Disease Control and the Occupational Safety and Health Administration.
- Prepare and maintain examination and treatment areas.
- Demonstrate the ability to prepare a patient for and assist with routine and speciality 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.

Suggested Order of Classes

Fall Quarter, First Year			**Credits**
AHC	107	Medical Records	3
BTEC	102	Skillbuilding	3
BTEC	260	Medical Terminology	4
COMM	101	Written Communications	3
OR			
ENGL&	101	English Composition	5
HLSV	121	Introduction to Healthcare	2
			15-17
Winter Quarter, First Year			**Credits**
BIOL&	170	Human Biology	5
HLSV	140	Medical Assisting Intro	5
HR	110	Human Relations-Workplace	5
			15
Spring Quarter, First Year			**Credits**
BTEC	233	Files Management	3
BTEC	261	Medical Office Procedures	5
BTEC	270	Medical Math	5
PSYC&	100	General Psychology	5
			18

Apply for Medical Assistant Year 2

Fall Quarter, Second Year			**Credits**
BTEC	266	Medical Law & Ethics	3
HLSV	141	Clinical Procedures I	10
Health & Fitness Distribution			3
			16
Winter Quarter, Second Year			**Credits**
HLSV	142	Medication Administration	6
HLSV	146	MA Laboratory Procedures	5
HLSV	154	Community FA/CPR	1
NURS	108	ECG	2
			14
Spring Quarter, Second Year			**Credits**
HLSV	143	Clinical Procedures IV	6
HLSV	144	MA Externship Seminar	1
HLSV	145	MA Clinical Externship	6
			13

Pre-Nursing DTA

Emphasis: ***Pre-Nursing***

Degree: Associate in Pre-Nursing-MRP

PURPOSE: The 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(s).

Students are urged to consult an advisor and refer to the admissions requirements for individual baccalaureate institutions for specific requirement and admission criteria.

Suggested Order of Classes

Fall Quarter, First Year			**Credits**
ENGL&	101	English Composition I	5
MATH&	146	Introduction to Stats	5
Health & Fitness Distribution			1
Humanities Distribution			5
			16
Winter Quarter, First Year			**Credits**
BIOL&	100	Survey of Biology	OR
BIOL&	170	Human Biology	5
CHEM&	121	Intro to Chemistry	5
PSYC&	100	General Psychology	5
			15

Spring Quarter, First Year			Credits
CHEM&	131	Intro to Organic/Biochemistry	5
ENGL&	102	Composition II	5
PSYC&	200	Lifespan Psychology	5
Health & Fitness Distribution			1
			16

Fall Quarter, Second Year			Credits
HUM	110	Ethics & Cultural Values	5
NUTR&	101	Nutrition	5
BIOL&	241	Human A & P 1	5
			15

Winter Quarter, Second Year			Credits
SOC&	101	Intro to Sociology	5
SPEE	110	Prin of Speech Communication	5
BIOL&	242	Human A & P 2	5
Health & Fitness Distribution			1
			16

Spring Quarter, Second Year			Credits
BIOL&	260	Microbiology	5
BIOL	243	Adv Topics Human A & P	5
Elective			5
			15

It is strongly recommended that students confer with an advisor at their potential transfer baccalaureate institution to determine the courses that best support or may be prerequisites for their BSN program.

BIOL 243, although not required, is strongly recommended.

Pharmacy

See Pre-Pharmacy

Physical Education

Emphasis: ***Teacher Education***

Degree: ***Associate in Arts***

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

Fall Quarter, First Year			Credits
ENGL&	101	English Composition I	5
MATH&	107	Math in Society	5
PSYC&	100	General Psychology	5
PE	229	Fitness Concepts	3
			18

Winter Quarter, First Year			Credits
CHEM&	121	Intro to Chemistry	5
ENGL&	102	Composition II	5
NUTR&	101	Nutrition	5
PE	150/152/153		1
			16

Spring Quarter, First Year			Credits
BIOL&	170	Human Biology	5
PE	125/140/142		1
SPEE	110	Prin of Speech Communication	5
Humanities Distribution			5
			16

Fall Quarter, Second Year			Credits
BIOL&	241	Human A & P 1	5
HLTH	140	Exercise & Nutrition	3
SOC&	101	Intro to Sociology	5
			13

Winter Quarter, Second Year			Credits
BIOL&	242	Human A & P 2	5
EDUC&	201	Intro to Education	3
EDUC	202	Classroom Observation	2
HLTH	130	Health & Wellness	3
			13

Spring Quarter, Second Year			Credits
HLTH	154	First Aid/CPR	1
PSYC&	200	Lifespan Psychology	5
Humanities Distribution			5
Social Science Distribution			5
			16

Emphasis: ***Exercise Science***

Degree: ***Associate in Arts***

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

Fall Quarter, First Year			Credits
ENGL&	101	English Composition I	5
MATH&	146	Introduction to Stats	5
PSYC&	100	Intro to Psychology	5
PE	229	Physical Fitness Concepts	3
			18

Winter Quarter, First Year			Credits
CHEM&	121	Intro to Chemistry	5
ENGL&	102	Composition II	5
NUTR&	101	Nutrition	5
PE	150/152/153		1
			16

Spring Quarter, First Year			Credits
BIOL&	170	Human Biology	5
SPEE	110	Prin of Speech Communication	5
PE	125/140/142		1
Humanities Distribution			5
			16

Fall Quarter, Second Year			Credits
BIOL&	241	Human A & P 1	5
HLTH	140	Exercise & Nutrition	3
SOC&	101	Intro to Sociology	5
			13

Winter Quarter, Second Year			Credits
BIOL&	242	Human A & P 2	5
HLTH	130	Health & Wellness	3
Humanities Distribution			5
			13

Spring Quarter, Second Year			Credits
CHEM&	131	Intro to Organic/Biochemistry	5
HLTH	154	First Aid/CPR	1
PSYC&	200	Lifespan Psychology	5
Social Science Distribution			5
			16

Physics

Emphasis: ***Physics***

Degree: ***Associate in Science***

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.

Suggested Order of Classes

Fall Quarter, First Year			Credits
CHEM&	161	General Chem w/lab I	6
ENGL&	101	English Composition	5
MATH	135	Precalculus Refresher	5
			16

Winter Quarter, First Year			Credits
CHEM&	162	General Chem w/lab II	6
ENGL&	235	Technical Writing	5
MATH&	151	Calculus I	5
			16

Spring Quarter, First Year			Credits
CHEM&	163	General Chem w/lab III	6
MATH&	152	Calculus II	5
Humanities or Social Science Distribution			5
			16

Fall Quarter, Second Year			Credits
MATH	118	Linear Algebra	5
PHYS&	221	Engineering Physics I	5
Health & Fitness Distribution			3
Humanities or Social Science Distribution			5
			18

Winter Quarter, Second Year			Credits
ENGR	203	Applied Numerical Methods	5
MATH&	163	Calculus III	5
PHYS&	222	Engineering Physics II	5
			15

Spring Quarter, Second Year			Credits
MATH	212	Differential Equations	5
MATH	264	Calculus IV	3
PHYS&	223	Engineering Physics III	5
Humanities or Social Science Distribution			5
			18

A minimum of 15 credits in Humanities and Social Science are required. See Associate in Science Degree description.

Physics Education

Emphasis: ***Physics Education***

Degree: ***Associate in Science-MRP***

PURPOSE: This degree is intended to prepare students who want to be secondary physics teachers. Students who complete this degree will have completed lower division general education requirements as well as the prerequisites for a major in physics.

Suggested Order of Classes

Fall Quarter, First Year			Credits
CHEM&	161	General Chem w/lab I	6
ENGL&	101	English Composition I	5
PSYC&	100	General Psychology	5
			16

Winter Quarter, First Year			Credits
CHEM&	162	General Chem w/lab II	6
ENGL&	235	Technical Writing	5
MATH&	151	Calculus I	5
Health & Fitness Distribution			1
			17

Spring Quarter, First Year			Credits
CS&	131	Computer Science I C++	OR
CS&	141	Computer Science I: Java	5
MATH&	152	Calculus II	5
Humanities or Social Science Distribution			5
Health & Fitness Distribution			1
			16

Fall Quarter, Second Year			Credits
EDUC&	201	Introduction to Education	3
MATH	118	Linear Algebra	5
PHYS&	221	Engineering Physics I	5
SPEE	110	Prin of Speech Communication	5
			18

Winter Quarter, Second Year			Credits
EDUC	202	Classroom Observation	2
MATH&	163	Calculus III	5
PHYS&	222	Engineering Physics II	5
Health & Fitness Distribution			1
			13

Spring Quarter, Second Year			Credits
MATH	212	Differential Equations	5
MATH&	264	Calculus IV	OR
ENGR&	204	Electrical Circuits	3-5
PHYS&	223	Engineering Physics III	5
			13-15

Pre-Chiropractic
Pre-Physical Therapy

Emphasis: ***Pre-Chiropractic***
Pre-Physical Therapy

Degree: ***Associate in Science***

PURPOSE: The Pre-Chiropractic, Pre-Physical Therapy program is intended for persons who plan to pursue a professional career in chiropractic or physical therapy.

The plan of study presents a challenging blend of natural and physical sciences and can be tailored to meet individual needs. If you complete the courses recommended, you are reasonably assured of being able to transfer with junior standing to most colleges and universities in Washington State. Students interested in physical therapy should be aware that a master's degree is required for entry into professional practice. 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.

Suggested Order of Classes

Fall Quarter, First Year			Credits
BIOL&	221	Majors Ecology/Evolution	5
CHEM&	161	General Chem w/lab I	6
ENGL&	101	English Composition I	5
			16

Winter Quarter, First Year			Credits
BIOL&	222	Majors Cell/Molecular	5
CHEM&	162	General Chem w/lab II	6
MATH&	151	Calculus I	5
			16

Spring Quarter, First Year			Credits
BIOL&	223	Majors Organismal Phys	5
CHEM&	163	General Chem w/lab III	6
MATH&	152	Calculus I	5
			16

Fall Quarter, Second Year			Credits
BIOL&	241	Human A & P 1	OR
PHYS&	221	Engineering Physics I	5
Health & Fitness Distribution			3
Social Science Distribution*			5
			13

Winter Quarter, Second Year			Credits
BIOL&	242	Human A & P 2	OR
PHYS&	222	Engineering Physics II	5
MATH&	146	Introduction to Stats	5
Humanities Distribution			5
			15

Spring Quarter, Second Year			Credits
BIOL	243	Adv Topics Human A & P	OR
PHYS&	223	Engineering Physics III	5
Social Science or Humanities Distribution			5
Elective			5
			15

Science electives:
BIOL& 221, 222, 223 Majors;
BIOL& 241, 242, 243 Human A & P w/lab;
CHEM& 261, 262, 263 Organic Chem w/lab;
PHYS& 221, 222, 223 Engineering Physics

Pre-Dental Hygiene

Degree: ***Associate in Arts***

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 one-year program below 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

Fall Quarter, First Year			Credits
CHEM&	121	Intro to Chemistry	5
ENGL&	101	English Composition I	5
MATH&	107	Math in Society	OR
MATH&	146	Introduction to Stats	5
			15

Winter Quarter, First Year			Credits
ENGL&	102	Composition II	5
SOC&	101	Intro to Sociology	5
Humanities Distribution			5
			15

Spring Quarter, First Year			Credits
BIOL&	170	Human Biology	5
CHEM&	131	Intro to Organic/Biochemistry	5
PSYC&	100	General Psychology	5
			15

Fall Quarter, Second Year			Credits
BIOL&	241	Human A & P 1	5
NUTR&	101	Nutrition	5
Humanities Distribution			5
			15

Winter Quarter, Second Year			Credits
BIOL&	242	Human A & P 2	5
SPEE	110	Prin of Speech Communication	5
Social Science Distribution			5
			15

Spring Quarter, Second Year			Credits
BIOL&	260	Microbiology	5
HLTH	145	Safety & Fitness	3
Diversity Elective			5
Elective			3-5
			16-18

Consult with an advisor for specific prerequisites for transfer institutions to determine the courses that best support their Dental Hygiene program.

BIOL 243, although not required, is strongly recommended.

Pre-Pharmacy

Emphasis: ***Pre-Pharmacy***

Degree: ***Associate in Science***

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.

Suggested Order of Classes

Fall Quarter, First Year			Credits
BIOL&	221	Majors Ecology/Evolution	5
CHEM&	161	General Chem w/lab I	6
ENGL&	101	English Composition I	5
			16

Winter Quarter, First Year			Credits
BIOL&	222	Majors Cell/Molecular	5
CHEM&	162	General Chem w/lab II	6
MATH&	151	Calculus I	5
			16

Spring Quarter, First Year			Credits
BIOL&	223	Majors Organismal Phys	5
CHEM&	163	General Chem w/lab III	6
MATH&	152	Calculus II	5
			16

Fall Quarter, Second Year	Credits
Biology/Chemistry sequence*	5-6
Social Science Distribution	5
Health & Fitness Distribution	3
	13-14

Winter Quarter, Second Year			Credits
Biology/Chemistry sequence*			5-6
MATH&	146	Introduction to Stats	5
Humanities Distribution			5
			15-16

Spring Quarter, Second Year	Credits
Biology/Chemistry sequence*	5-6
Social Science or Humanities Distribution	5
Elective	5
	15-16

Science electives:

BIOL& 241, 242, 243 Human A & P w/lab;
CHEM& 261, 262, 263 Organic Chem w/lab;
PHYS& 221, 222, 223 Engineering Physics

*Biology majors should select Organic Chemistry or Anatomy & Physiology (BIOL& 241, 242) and Microbiology (BIOL& 260) for second year sequence.

Pre-Medicine, Pre-Dentistry

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

Degree: ***Associate in Science***

PURPOSE: The Pre-Medicine, Pre-Dentistry program is intended for persons 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.

Consult with an advisor as you plan your curriculum and select electives. This will allow you to coordinate your program with the requirements of your intended major at the institution to which you expect to transfer.

Suggested Order of Classes

Fall Quarter, First Year			Credits
BIOL&	221	Majors Ecology/Evolution	OR
PHYS&	221	Engineering Physics I	5
CHEM&	161	General Chem w/lab I	6
ENGL&	101	English Composition I	5
			16

Winter Quarter, First Year			Credits
BIOL&	222	Majors Cell/Molecular	OR
PHYS&	222	Engineering Physics II	5
CHEM&	162	General Chem w/lab II	6
MATH&	151	Calculus I	5
			16

Spring Quarter, First Year			Credits
BIOL&	223	Majors Organismal Phys	OR
PHYS&	223	Engineering Physics III	5
CHEM&	163	General Chem w/lab III	6
MATH&	152	Calculus II	5
			16

Fall Quarter, Second Year			Credits
Biology/Chemistry/Physics sequence*			5-6
PSYC&	100	General Psychology	5
HUM	110	Ethics and Cultural Values	5
			15-16

Winter Quarter, Second Year			Credits
Biology/Chemistry/Physics sequence*			5-6
MATH&	146	Introduction to Stats	OR
MATH&	163	Calculus III	5
SPEE	110	Prin of Speech Communication	5
			15-16

Spring Quarter, Second Year			Credits
Biology/Chemistry/Physics sequence*			5-6
SOC&	101	Intro to Sociology	5
Health & Fitness Distribution			3
			13-14

Science electives:

BIOL& 221, 222, 223 Majors;

BIOL& 241, 242, 243 Human A & P w/lab;

BIOL& 260 Microbiology

CHEM& 261, 262, 263 Organic Chem w/lab;

PHYS& 221, 222, 223 Engineering Physics

*Some baccalaureate institutions require physics with calculus. Biology majors should select Organic Chemistry or Physics for second year sequence.

Pre-Veterinary Medicine

Emphasis: ***Pre-Veterinary Medicine***

Degree: ***Associate in Science***

PURPOSE: The Pre-Veterinary 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 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.

Suggested Order of Classes

Fall Quarter, First Year			Credits
BIOL&	221	Majors Ecology/Evolution	5
CHEM&	161	General Chem w/lab I	6
ENGL&	101	English Composition I	5
			16

Winter Quarter, First Year			Credits
BIOL&	222	Majors Cell/Molecular	5
CHEM&	162	General Chem w/lab II	6
MATH&	151	Calculus I	5
			16

Spring Quarter, First Year			Credits
BIOL&	223	Majors Organismal Phys	5
CHEM&	163	General Chem w/lab III	6
MATH&	152	Calculus II	5
			16

Fall Quarter, Second Year			Credits
CHEM&	261	Organic Chemistry w/lab I	6
Social Science Distribution			5
Health & Fitness Distribution			3
			14

Winter Quarter, Second Year			Credits
CHEM&	262	Organic Chemistry w/lab II	6
MATH&	146	Introduction to Stats	OR
MATH&	163	Calculus III	5
SPEE	110	Prin of Speech Communication	5
			16

Spring Quarter, Second Year			Credits
Science Elective			OR
CHEM&	263	Organic Chemistry w/lab III	6
Social Science or Humanities Distribution			5
Elective			5
			16

Psychology

Emphasis: ***Psychology***

Degree: ***Associate in Arts***

PURPOSE: The Psychology program 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 which deal with people. Consult with psychology faculty for additional information.

Suggested Order of Classes

Fall Quarter, First Year			Credits
ENGL&	101	English Composition I	5
PSYC&	100	General Psychology	5
Humanities Distribution			5
			15

Winter Quarter, First Year			Credits
ENGL&	102	Composition II	5
PSYC&	200	Lifespan Psychology	5
Science Distribution			5
			15

Spring Quarter, First Year			Credits
MATH&	146	Introduction to Stats	5
PSYC	210	Personality Theories	OR
PSYC	250	Social Psychology	5
Humanities Distribution			5
Health & Fitness Distribution			1
			16

Fall Quarter, Second Year	Credits
Health & Fitness Distribution	1
Humanities Distribution	5
Science Distribution	5
Social Science Distribution	5
	16

Winter Quarter, Second Year	Credits
Elective	5
Elective	5
Social Science Distribution	5
	15

Spring Quarter, Second Year	Credits
Elective	7
Health & Fitness Distribution	1
Science Distribution	5
	13

Recommended Courses

BIOL&	170	Human Biology,	5
CHEM&	121	Intro to Chemistry	or
CHEM&	161	General Chem w/lab I,	5
PSYC&	220	Abnormal Psychology,	5
SOC&	101	Intro to Sociology	5

Psychology majors are encouraged to develop a broad base in the social sciences.

Sociology

Emphasis: ***Sociology***

Degree: ***Associate in Arts***

PURPOSE: The Sociology program 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.

The sociology program provides an adequate foundation for students to transfer to a four-year college or university. See the sociology faculty advisor for details.

Suggested Order of Classes

Fall Quarter, First Year			Credits
ENGL&	101	English Composition I	5
SOC&	101	Intro to Sociology	5
Humanities Distribution*			5
			15

Winter Quarter, First Year			Credits
ENGL&	102	Composition II	5
MATH&	146	Introduction to Stats	5
Social Science Distribution			5
			15

Spring Quarter, First Year			Credits
ANTH/SOC	225	Cultural & Ethnic Pluralism	5
SOC&	201	Social Problems	5
Humanities Distribution			5
			15

Fall Quarter, Second Year			Credits
ANTH&	206	Cultural Anthropology	5
Humanities Distribution			5
Science Distribution**			5
			15

Winter Quarter, Second Year			Credits
ANTH&	210	Indians of North America	5
Elective			2
Health & Fitness Distribution			3
Science Distribution			5
			15

Spring Quarter, Second Year	Credits
Social Science Distribution	5
Elective	5
Elective	5
	15

* Recommend a language

** Recommend ENVS& 100

Sociology majors are encouraged to develop a broad base in the social sciences to include:

PSYC& 100 General Psychology
PSYC& 200 Lifespan Psychology

Technology

Degree: Associate in Technology-MRP

PURPOSE This degree is a Major Related Program designed for students transferring to Eastern, Central, or Western Washington Universities to complete one of the bachelors of science in technology degrees, such as Industrial Technology, Mechanical Technology, Applied Technology, technology education, or technology with various options (manufacturing, electronics, design, or construction).

This degree meets the requirements of the Statewide Technology DTA and Engineering Technology AS-T Track 2 (MRP) Agreement.

Elective credits should be planned with the help of an engineering advisor and be based on 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 third 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

Fall Quarter, First Year			Credits
ENGL&	101	English Composition I	5
ENGR	100	Intro to Engineering	2
MATH&	141	Precalculus*	5
Health & Fitness Distribution			3
			15

Winter Quarter, First Year			Credits
ENGR&	111	Engineering Graphics**	2
ENGL&	235	Technical Writing	5
MATH&	142	Precalculus II*	5
Social Science Distribution			5
			17

Spring Quarter, First Year			Credits
CS&	131	C# Programming	OR
CS&	141	Java: Object Oriented Prog.	5
ENGR&	112	Engineering Graphics II**	3
MATH&	151	Calculus I	5
Humanities Distribution			5
			18

Fall Quarter, Second Year			Credits
CHEM&	161	General Chem w/lab I	6
PHYS&	221	Engineering Physics I	5
Humanities Distribution			5
			16

Winter Quarter, Second Year			Credits
ENGR	203	Applied Numerical Methods	5
PHYS&	222	Engineering Physics II	5
Social Science Distribution			5
			15

Spring Quarter, Second Year			Credits
SPEE	110	Speech Communication	OR
SPEE	220	Theory & Practice	5
PHYS&	223	Engineering Physics III	5
Social Science Distribution			5
			15

*Students could take MATH 135 in place of MATH& 141 and 142.

**Students may petition for an Independent study or transfer equivalent credits from another college for the following: ENGR& 111 and ENGR& 112.

Television

See Media Studies

Theater

See Dramatic Arts

Welding

Emphasis: ***Welding Technology***

Degree: ***Associate in Technical Arts***

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 ATA 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: Students who successfully complete this program should be able 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 principles of Metallurgy to welding fabrication and inspection.
- Create workable drawings to scale for reproduction.
- Perform 3-G and 4-G AWS - WABO welding code qualification tests.

Suggested Order of Classes

Fall Quarter, First Year			Credits
WELD	159	Oxyfuel & GTAW Theory	4
WELD	160	Oxyfuel & GTAW Theory lab	9
WELD	167	Metallurgy for Welders	4
			17

Winter Quarter, First Year			Credits
MATH	095	Basic Math (if needed)	1-5
WELD	161	Arc Welding Theory	4
WELD	162	Arc Welding lab	9
			13-18

Spring Quarter, First Year			Credits
MATH	116	Industrial Math	5
WELD	126	Industrial Drafting	2
WELD	164	MIG Welding Theory	4
WELD	165	MIG Welding lab	6
WELD	166	Shop Skills for Welders	3
			20

Fall Quarter, Second Year			Credits
H R	110	Human Relations-Workplace	5
WELD	265	Advanced Arc Welding	4
WELD	266	Advanced Arc Weld lab	9
WELD	271	Blueprint Reading for Welders	4
			22

Winter Quarter, Second Year			Credits
COMM	101	Written Communications	3
WELD	267	Advanced Gas Shielded Arc Weld Theory	4
WELD	268	Advanced Gas Shielded Arc Weld lab	9
			16

Spring Quarter, Second Year			Credits
HLTH	145	Safety & Fitness	3
WELD	269	Advanced Fab. & Weld Theory	4
WELD	270	Advanced Fab. & Weld lab	6
			13

Emphasis: ***Welding Technology (4-quarter program)***

Degree: ***Certificate of Proficiency***

PURPOSE: 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: Students who successfully complete this program should be able 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 on finished welds.
- Interpret information on welding blueprints.
- Apply principles of Metallurgy to welding fabrication and inspection.
- Create workable drawings to scale for reproduction.

Suggested Order of Classes

Fall Quarter, First Year			Credits
MATH	095	Basic Math (if needed)	1-5
WELD	159	Oxyfuel & GTAW Theory	4
WELD	160	Oxyfuel & GTAW lab	9
WELD	167	Metallurgy for Welders	4
			17-22

Winter Quarter, First Year			Credits
COMM	101	Written Communications	3
MATH	116	Industrial Math	5
WELD	161	Arc Welding Theory	4
WELD	162	Arc Welding lab	9
			21

Spring Quarter, First Year			Credits
DET	166	Shop Skills for Welders	3
WELD	126	Industrial Drafting	2
WELD	164	MIG Welding Theory	4
WELD	165	MIG Welding lab	6
			15

Fall Quarter, Second Year			Credits
WELD	265	Adv. Arc Welding Theory	4
WELD	266	Adv. Arc Welding lab	9
WELD	271	Blueprint Reading for Welders	4
			17

Completion of HR 110 Human Relations-Workplace is required and may be completed any quarter.

Emphasis: ***Welding (Evening)***

Degree: ***Certificate of Completion***

PURPOSE: Students who complete the following 20 credits 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: Students who successfully complete this program should be able 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.

WELD	180	Oxyacetylene and GTAW	5
WELD	181	Shielded Metal Arc Welding	5
WELD	182	Gas Metal Arc Welding	5
WELD	285	Arc Welding Certification	5
			20

Management (BAS)

Emphasis: ***Management***

Degree: ***Bachelor of Applied Science***

PURPOSE: The BASM 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.

Selection into the program is merit based, with a strong academically based threshold for entrance into the admissions pool. In order to be placed into the admissions pool, applicants must complete and submit all of the following:

- An earned associate or higher degree from a regionally accredited college or university.
- Successful completion of these required courses with at least a 2.5 cumulative grade point average and at least a 2.0 grade in each course:
  - English 101 (5 credits).
  - College-level Math course from the GUR distribution requirements (5 credits).
  - Social Science course from the GUR distribution requirements (5 credits).
  - Natural Science course that includes lab component from the GUR distribution requirements (5 credits).

- An additional course from one of the following GUR areas of knowledge: Basic skills, humanities, math/natural science, and social sciences (5 credits).

- A personal essay/statement to include, but not limited to, previous experience, career goals, application of the degree to career advancement.
- Evidence of a minimum of the equivalent of six months of full-time work experience.
- Resume.
- Official transcripts from previous colleges.
- Two non-family references.

Additional admissions consideration will be given to applicants in the admissions pool who have successfully completed (2.0 grade minimum) these recommended courses:

- English 102 Composition II (5 credits) or English 235 Technical Writing (5 credits).
- Speech 110 Principles of Speech Communications (5 credits) or Speech 220 – Theory and Practice of Public Speaking (5 credits).

BASM Course Enrollment by Non-Matriculated Students

The BASM program is designed for student cohorts who are committed to the attainment of the Bachelor of Applied Science in Management degree. Non-matriculated students may be enrolled in specific courses on a space available basis at the discretion of the respective faculty member and with the concurrence of the Executive Director of BASM. A maximum of three courses may be taken by any non-matriculated student. Non-matriculated students must meet all of the normal BASM entrance requirements with the exception of the requirement to have an associate degree. Centralia College will consider non-matriculated students for enrollment in 300/400 level courses including:

1. Community members employed in the occupation who could benefit from the specific course as an educational or skills upgrade.
2. Students with deferred admission status.
3. Students seeking future admission interested in trying an upper division course before applying to the program.
4. Students in related lower division programs who use the 300 or 400 level courses as electives or substitutes for required courses in the associate degree.

PROGRAM OUTCOMES: Students who successfully complete this program should be able to:

- 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.
- Understand the differences in decision-making strategies and when to use various approaches. This includes the application of analytical tools, quality information systems.
- Articulate the key laws, ethical aspects, regulations and benefits associated with diverse populations
- Understand how the move from accommodation to inclusion to aggressive recruitment can create competitive advantage.
- Utilize financial information, recognizing the reliability and accuracy of various sources, and managerial accounting tools to develop and analyze capital and operating budgets and understand various financing options to best meet organizational needs.
- 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.
- Differentiate 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.
- Differentiate 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.
- Apply marketing principles and current technologies to deliver goods and services with increasing levels of quality, efficiency and customer satisfaction to maximize the return from operations management.
- Move from the theoretical understanding of how market, local, national and global issues impact strategic management of an organization to the ability to develop an actionable strategic plan with appropriate contingencies for an organization.

Required course schedule – Two Year Track (subject to change)

Fall Quarter, First Year			Credits
BAS	300	Foundations of Management	5
BAS	320	Leadership & Org. Behavior	5
BAS	380	Marketing for Managers	5
			15

Winter Quarter, First Year			Credits
BAS	315	Ethics	5
BAS	330	Pro. & Org. Communication	5
BAS	420	Mgmt of Human Resources	5
			15

Spring Quarter, First Year			Credits
BAS	310	Accounting Principles for Mgrs	5
BAS	325	Legal Issues	5
BAS	370	Practicum in Management	5
			15

Fall Quarter, Second Year			Credits
BAS	305	Managerial Economics	5
BAS	340	Applied Financial Mgmt	5
BAS	360	Business Principles, Planning & Strategy	5
			15

Winter Quarter, Second Year			Credits
BAS	350	Managerial Statistics	5
BAS	410	Project Management	5
BAS	435	Operations Management	5
			15

Spring Quarter, Second Year			Credits
BAS	440	Environmental Issues	5
BAS	470	Applied Mgmt Internship	5
BAS	490	Strategic Mgmt & Policy	5
			15

Required course schedule – THREE year track

Fall Quarter, First Year			Credits
BAS	300	Foundations of Mgmt	5
BAS	320	Leadership & Org. Behavior	5
			10

Winter Quarter, First Year			Credits
BAS	315	Ethics	5
BAS	330	Prof. & Org. Communication	5
			10

Spring Quarter, First Year			Credits
BAS	310	Accounting Principles for Mgrs	5
BAS	370	Practicum in Management	5
			10

Fall Quarter, Second Year			Credits
BAS	305	Managerial Economics	5
BAS	380	Marketing for Managers	5
			10

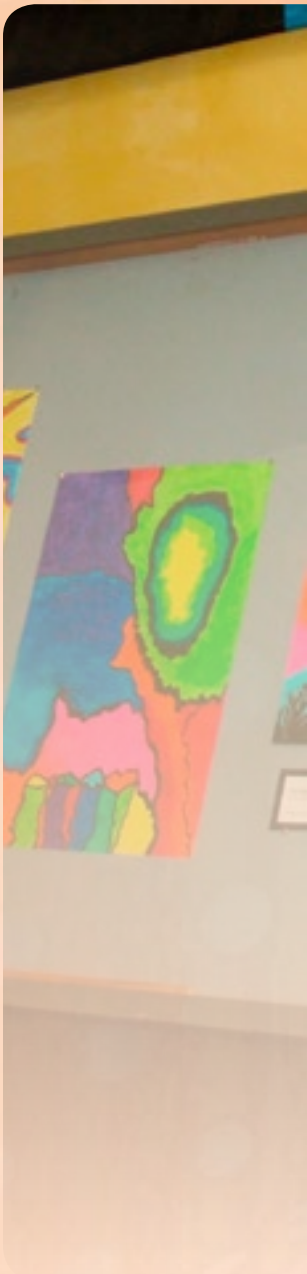
Winter Quarter, Second Year			Credits
BAS	420	Mgmt of Human Resources	5
BAS	435	Operations Management	5
			10

Spring Quarter, Second Year			Credits
BAS	325	Legal Issues	5
BAS	440	Environmental Issues	5
			10

Fall Quarter, Third Year			Credits
BAS	340	Applied Financial Mgmt	5
BAS	360	Business Principles	5
			10

Winter Quarter, Third Year			Credits
BAS	350	Managerial Statistics	5
BAS	410	Project Management	5
			10

Spring Quarter, Third Year			Credits
BAS	470	Applied Management Internship	5
BAS	490	Strategic Management & Policy	5
			10



Centralia College is an excellent college. It's an active campus because there's so much do. You can get involved in activities that will challenge you. Another strength of the college is that the instructors are very helpful. They are willing to assist any time I ask for help. These are important reasons why my experience here has been so important and so successful.

– **Kristen Schoenherr**

CENTRALIA COLLEGE

Course Descriptions

Distribution Requirements:

Courses meeting distribution requirements are designated after the course titles in the following manner.

C = Communication Skills

D = Diversity

H = Humanities

M = Math/Quantitative Skills

S = Natural Science

SS = Social Science

HF = Health and Fitness

Courses which are part of a professional/technical program and which might not be considered for transfer by four-year colleges are designated after the course title in the following manner:

PT = Professional/Technical

ACCOUNTING

ACCT 110

Practical Accounting I (3) (PT)

Emphasizes fundamental principles of double-entry accounting as applied to bookkeeping systems. The course focuses on the development of the accounting cycle for small businesses and professional organizations.

ACCT 120

Practical Accounting II (3) (PT)

Accounting theory as applied to bookkeeping systems of small businesses and professional organizations. Focuses on accounting for payroll, merchandise sales and purchases, cash receipts and payments, preparation of the worksheet and annual financial statements. Prerequisite: ACCT 110.

ACCT 130

Basic Computer Accounting (3) (PT)

Accounting experience on a personal computer using QuickBooks Pro software. Reinforces procedures learned in ACCT 110 and 120 or ACCT& 201. Students use QuickBooks Pro software to record transactions, prepare financial statements, and payroll. Prerequisite: ACCT& 201 or ACCT 110 and 120.

ACCT& 201 (formerly ACCT 210)

Principles of Accounting I (5) (PT)

This course emphasizes fundamental principles of double-entry accounting and the preparation of financial statements for sole proprietorships. Prerequisite: MATH 098 or equivalent or consent of instructor.

ACCT& 202 (formerly ACCT 220)

Principles of Accounting II (5) (PT)

This course emphasizes accounting for partnerships and corporations. Topics include, but are not limited to, accounting for fixed and intangible asset, payroll, stock, bonds, the statement of cash flows, and financial statement analysis. Prerequisite: ACCT& 201.

ACCT& 203 (formerly ACCT 230)

Principles of Accounting III (5) (PT)

This course emphasizes accounting for departments and branches, cost accounting in a manufacturing environment cost-volume-profit analysis, budget preparation and analysis, standard costs, segment reporting, differential costs and revenues, and capital budgeting decisions. Prerequisites: ACCT& 201 and 202.

ACCT 210

Introduction to Audit (5) (PT)

An introduction to the audit environment as it applies to the professional spectrum of financial accounting and reporting. Prerequisite: ACCT& 203.

ACCT 240

Business Entity Tax (5) (PT)

This course focuses on the determination and disposition of taxation as it applies to business entities, as well as introducing elements of tax planning and research. Prerequisite: ACCT& 203.

ACCT 260

Individual Income Taxes (5) (PT)

Introductory course in taxation emphasizing the preparation of individual federal income tax returns. Course focuses on history, economics, social aspects, equity, and structure of the federal income tax laws of the United States. Prerequisite: ACCT& 201.

ACCT 270

Payroll Accounting (3) (PT)

ACCT 270 is an introductory course covering aspects of the Fair Labor Standards Act, the Social Security Act, Federal Income Tax withholding laws, and other laws affecting payroll operations and employment practices. Prerequisite: ACCT& 201.

ACCT 285

Bookkeeper Certification Course (5) (PT)

This is the capstone course for accounting students participating in the Associate of Technical Arts (ATA) program and culminating in the student candidacy of either the Certified Bookkeeper (CB), Registered Tax Return Preparer (RTRP), or both. Prerequisite: ACCT& 203, ACCT 240.

ADULT BASIC EDUCATION

Basic skills program consists of six levels of instruction in reading, writing, and math for ABE students and five levels of instruction in listening, speaking, reading and writing for ESL students. New Adult Basic Education and English as a Second Language students must participate in orientation class (ABE 020) prior to registration.

ABE 011-014 and 016

English as a Second Language I-VI (1-10)

Students demonstrate knowledge of sound-letter relationships by listening, speaking, reading, and writing the English alphabet. They become familiar with US currency and recognize common forms of print found in the home and environment. Prerequisite: CASA/ESL appraisal test.

ABE 015

ESL Language Lab (1-6)

Students will improve listening, speaking, and reading skills while participating in computer assisted learning activities, conversation, and focused listening activities and use of multimedia that will aid them in becoming independent learners. Corequisite: recommended in conjunction with ABE 011, 012, 013, 014, and 016.

ABE 020

Adult Basic Education Orientation (1-1)

Includes individual goal setting, an introduction to educational programs offered at Centralia College, placement testing, advising, and educational planning. Prerequisite for all new students to the ABE/ESL programs.

ABE 021, 022, 023

Adult Basic Education Level II – Reading, Writing, Math (1-5)

Students will complete Level 2A reading, writing, and math competencies mandated by the Washington State Basic Skills Competency Indicators and CASAS assessment in lab, lecture/lab setting. Prerequisite: CASAS score of 200-210.

ABE 028

ABE Integrated Level 2 (1-15)

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. Prerequisite: CASAS appraisal score 201 to 210.

ABE 031, 032, 033

Adult Basic Education Level III – Reading, Writing, Math (1-5)

Students will study Level 3 reading, writing, and math competencies mandated by the Washington State Basic Skills Competency Indicators and CASAS assessment in lab, lecture, or lecture/lab setting. Prerequisite: CASAS score of 211-220

ABE 038

ABE Integrated Level 3 (1-15)

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. Prerequisite: CASAS appraisal score 211 to 220.

ABE 041, 042, 043

Adult Basic Education Level IV – Reading, Writing, Math (1-5)

Students will study Level 4 reading, writing, and math competencies mandated by the Washington State Basic Skills Competency Indicators and CASAS assessment in lab, lecture, or lecture/lab setting. Prerequisite: CASAS score of 221-235.

ABE 048

ABE Integrated Level 4 (1-15)

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. Prerequisite: CASAS appraisal score 221 to 235.

ABE 051, 052, 053

Adult Basic Education Level V – Reading, Writing, Math (1-5)

Students will study Level 5 reading, writing, and math competencies mandated by the Washington State Basic Skills Competency Indicators and CASAS assessment in lab, lecture, or lecture/lab setting. Prerequisite: CASAS score of 236-245.

ABE 058

ABE Integrated Level 5 (1-15)

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. Prerequisite: CASAS appraisal score 236 to 245.

ABE 061, 062, 063

Adult Basic Education Level VI – Reading, Writing, Math (1-5)

Students will study Level 6 reading, writing and math competencies mandated by the Washington State Basic Skills Competency Indicators and CASAS assessment in lab, lecture, or lecture/lab setting. Prerequisite: CASAS score of 246+.

ABE 068

ABE Integrated Level 6 (1-15)

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. Prerequisite: ABE 058, completion of 3 GED tests or CASAS 246-255.

ALLIED HEALTH CARE

AHC 103

Phlebotomy (4) (PT)

Safe and effective venipuncture procedures and specimen collection. Phlebotomist as an individual/team member; preparation of supplies/equipment; circulatory system physiology and venipuncture; and ethical/legal implications will be highlighted.

AHC 107

Electronic Medical Records (3) (PT)

Provides an overview of medical records as legal documents. Topics include the make up of an electronic medical record, charting methods, and retention and storage of records. Course includes computerized medical record work. Prerequisite: keyboarding skill, medical terminology.

AHC 108

Introduction to Electrocardiography (3) (PT)

Introduction to electrocardiography role; anatomy of the heart; ECG equipment operation and supplies; patient preparation; ECG testing procedure; basic ECG rhythm recognition; cardiovascular disorders; professional/ethical behaviors. Includes hands on ECG training and practice. Prerequisite: BTEC 260, BIOL& 170, ZOOL 251; recommend HLSV 131 or by instructor permission.

AHC 160

Records Confidentiality - HIPAA (1) (PT)

Overview of general confidentiality considerations and specific rules of the 1966 HIPAA law for healthcare/mental health professions. Explains and illustrates the law, with extensive review of security/privacy of patient information and records.

AHC 161
HIV/AIDS Awareness (1) (PT)

Course includes epidemiology pathophysiology, risk behaviors, opportunistic diseases, and diagnostic tests. Transmission, prevention, and current treatment modalities are discussed.

AMERICAN SIGN LANGUAGE

ASL& 121 (formerly SIGN 140)
American Sign Language I (5)

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 (formerly SIGN 141)
American Sign Language II (5)

Enables students to better use and comprehend ASL by building vocabulary, improving skills of signing, reading of signs, and understanding of the deaf community. Prerequisite: ASL& 121 or instructor permission.

ASL& 123 (formerly SIGN 142)
American Sign Language III (5)

An in-depth study of American Sign Language applications including conversation regulators, classifiers and locatives, directional verbs and cultural information. Prerequisite: ASL& 122.

ANTHROPOLOGY

ANTH& 100 (formerly ANTH 102)
Survey of Anthropology (5) (D) (SS)

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& 206 (formerly ANTH 201)
Cultural Anthropology (5) (D) (SS)

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 (formerly ANTH 220)
Indians of North America (5) (D) (SS)

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 (5) (S)

Exploration of human biology, evolution, paleontology, taxonomy, primatology, genetics and human variation. ANTH& 100 or ANTH& 206 highly recommended. Concurrent enrollment in ANTH& 215L is required.

ANTH 225
Cultural and Ethnic Pluralism in Contemporary Society (5) (D) (SS)

Examine ethnicity, ethnic identity, and cultural characteristics of ethnic and social groups in North America and around the world. Understand the relationship between social organization and forms of social, economic, and political domination and subordination.

ANTH 235
Myth, Ritual, and Magic (5) (D) (SS)

Experience the supernatural and religious beliefs of peoples and cultures. Examine different modes of constructing "reality" and "belief" as well as their methods of ritual application in societies worldwide.

ANTH& 236
Forensic Anthropology (5) (S)

Students will explore forensic anthropology method and theory, forensic taphonomy theory and practice, research methods, and the processing, analysis, and identification of human remains.

ART

ART& 100 (formerly ART 105)
Art Appreciation (5) (H)

Introduction to the visual arts. Painting, drawing, sculpture and architecture will be examined as art forms and for their role in human history. Students will be introduced to a variety of art media and techniques.

ART 102, 103, 104
Drawing I-III (5) (H)

Emphasis on the fundamentals of drawing: Composition, technique and manipulation of materials, exploration of a variety of subject matter. Lectures and presentations on artists and art, both historical and contemporary.

ART 110
Design (4)

This course is an introduction to two-dimensional design. Assignments include a variety of subject matter and materials. No prerequisites.

ART 111
Sculpture (4)

An introduction to the fundamentals of three-dimensional design. Assignments include a variety of subject matter and materials. All are welcome.

ART 130
Computer Graphics (5)

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.

ART 135, 136
Graphic Design I-II (5)

Problem solving in basic type and graphic design. A sequence of studio projects demonstrate students' ability to create, design and prepare art for reproduction. Lectures explore graphic design as an art form and as a business.

ART 151
Typography (5)

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. Prerequisite: ART 110 or permission of instructor.

ART 160
Introduction to Fibers (5) (H)

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.

ART 170
Black and White Photography (5) (H)

Fundamentals of photography and camera handling with emphasis on understanding and using photography as an expressive art form. The course will cover basic camera operations, black and white darkroom processes, familiarity with materials and equipment.

ART 174
Digital Photography (5) (H)

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. Prerequisite: basic computer experience required.

ART 190
Cooperative Work Experience (1-12)

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. Prerequisite: Instructor's permission.

ART 200
Art History: Ancient (5) (D) (H)

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 (5) (D) (H)

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 (5) (D) (H)

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 (5) (H)

A survey of American painting, sculpture, and architecture from colonial times to the present.

ASTRONOMY

ASTR 125
The Solar System (3) (S)

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. Prerequisite: completion of MATH 098 with a 2.0 or above.

ASTR 126
Stars and Galaxies (3) (S)

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 and the Universe (5) (S)

Brief overview of the history and scope of astronomy, followed by a systematic study of the solar system, stars, galaxies, and the universe. Prerequisite: one year high school algebra or MATH 098.

ASTR 128
Observational Astronomy (2) (S)

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.

BIOLOGY

BIOL& 100 (formerly BIOL 105)
Survey of Biology w/lab (5) (S)

Surveys the structures and functions of cells and organisms. Explores basic genetic and evolutionary processes, and outlines the characteristics of life, its history, and biodiversity.

BIOL& 170 (formerly BIOL 130)
Human Biology (5) (S)

Presents the structure, organization, and life functions of the human; cells, tissues, and organ systems; development from embryo to adult; aging and disease; human evolution and ecology.

BIOL& 221 (formerly BIOL 111)
Majors Ecology/Evolution w/lab (5) (S)

Ecology, evolution, taxonomy and phylogeny, diversity of life forms. First course in a three-quarter series (BIOL& 221, 222, 223). Prerequisite: high school biology or BIOL& 100 and MATH 098 or equivalent.

BIOL& 222 (formerly BIOL 112)
Majors Cell/Molecular w/lab (5) (S)

Metabolism and energetics, structure and function of biomolecules, Mendelian and molecular genetics, biotechnology, cell structure and function. Second course in a three-quarter series (BIOL& 221, 222, and 223). Prerequisites: HS biology or BIOL& 100; CHEM& 121 or CHEM& 161 recommended.

BIOL& 223 (formerly BIOL 113)
Majors Organismal Physiology w/lab (5) (S)

Plant and animal comparative anatomy and physiology. Final course in a three-quarter series (BIOL& 221, 222, and 223). Prerequisite: BIOL& 221 or 222 or permission of instructor.

BIOL& 241 (formerly ZOOL 251)
Human Anatomy and Physiology 1 w/lab (5) (S)

Investigate interactions between structure (anatomy) and function (physiology) essential for human health. Investigate organization and function of macromolecules, membranes and the cell, tissues, integument, skeleton and articulations, skeletal muscles, nervous system and the brain. Prerequisite: HS biology and chemistry or BIOL& 100 or BIOL& 170 and CHEM& 121.

BIOL& 242 (formerly ZOOL 252)
Human Anatomy and Physiology 2 w/lab (5) (S)

Investigate the interactions between structure (anatomy) function (physiology) essential for human health. Investigate organization and function of the sensory, endocrine, cardiovascular, immune, respiratory, digestive, urinary, and reproductive systems. Prerequisite: BIOL& 241 or instructor permission.

BIOL 243 (formerly ZOOL 253)
Advanced Topics Human Anatomy and Physiology w/lab (5) (S)

Investigate the inheritance of human characteristics and the regulation of gene expression. Trace the development of major organ systems inutero and fetal development. Trace the physiological and anatomical transformations in older individuals. Prerequisite: BIOL& 242 or instructor permission.

BIOL 250
Introduction to Marine Biology w/lab (5) (S)

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.

BIOL& 260 (formerly BIOL 211)
Microbiology w/lab (5) (S)

Understand the morphology, physiology, metabolism, genetics, and evolution of microbes. Explore the interactions of pathogenic microbes and human health. Review processes that inhibit microbial disease. Develop skills of culturing, identifying, and manipulating microbes. Prerequisite: one college chemistry course.

BOTANY

BOTA 110
Survey of Botany w/lab (5) (S)

Basic concepts in plant biology for non-majors, with emphasis on plant diversity and how plants grow and reproduce. Modern issues concerning agriculture and conservation will be discussed.

BOTA 113
Plant Identification and Classification w/lab (5) (S)

The identification and classification of flowering plants of the Northwest with emphasis on plant families of western Washington. One full day field trip included.

BOTA 150
Dendrology – Trees in Our Environment w/lab (5) (S)

Introduction to biology through trees, from cells and evolution through tree ecology and urban trees. Identification of trees will be featured, including both Pacific Northwest natives and common street trees.

BUSINESS ADMINISTRATION

BUS& 101 (formerly B A 101)
Introduction to Business (5) (PT)

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 121
Business Math (5) (PT)

Surveys the commercial application of mathematics designed to assess and analyze business activities and their effect on cost, profitability and overall performance.

BUS 132
Entrepreneurship (5) (PT)
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& 201
Business Law (5) (PT)
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 215
Principles of Finance (5) (PT)
An introduction to the sources and uses of funds in a business. Focuses on ratio analysis, cost-volume-profit analysis, business valuation, and the relationship between risk and rate of return. Emphasizes the managerial implications of financial risk. Prerequisite: ACCT& 201, 202.

BUS 220
Marketing (5) (PT)
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 250
Project Management (5) (PT)
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) (PT)
Management styles and effective management of personnel from the manager's side of business. The course is built around the four traditional functions of management and exploring management problems and practices. Real-life case problems used.

BUSINESS OFFICE TECHNOLOGY

BTEC 100
Keyboarding For Computing (2) (PT)
Operation of the standard alphabetic keyboard and the 10-key pad. Upon completion of this class, students should be able to keyboard at 20wpm and operate by touch a 10-key pad at 80dpm.

BTEC 101
Keyboarding for Business (3) (PT)
For beginning students. Learn to keyboard to 25 wpm by touch. Develop speed, accuracy and apply basic word processing techniques to letters, reports and tables.

BTEC 102
Keyboard Skillbuilding I (3) (PT)
Individualized skillbuilding program for increasing keyboarding speed and improving accuracy. Upon completion of this course, students should be able to type at a minimum of 35 wpm with no more than one error per minute. Prerequisite: BTEC 101 and typing at 35wpm or instructor permission.

BTEC 110
Business English (5) (PT)
Editing skills including grammar, punctuation, proofreading, and spelling for office correspondence. A basis for machine transcription, business communication, and office procedures.

BTEC 115
Machine Transcription I (4) (PT)
Introduction to machine transcription: operation of transcribing machines and integration of language and keyboarding skills in the preparation of mailable transcripts. Prerequisite: 2.0 or above in BTEC 110 and typing speed of 40wpm.

BTEC 120
Applied Business Math (3) (PT)
A brief review of arithmetic fundamentals including decimals, fractions, percents and their applications to a wide range of business problems. Prerequisite: MATH 096 or equivalent test score.

BTEC 190
Cooperative Work Experience (1-12) (PT)
See description under COOP 190 for additional information.

BTEC 191
Work Experience Seminar (1) (PT)
Topics include: job search techniques, resumes, interview preparation, professional image, business etiquette, sexual harassment and diversity in the workplace.

BTEC 203
Keyboard Skillbuilding II (3) (PT)
Using a computer for individualized, advanced skillbuilding for students who have already had BTEC 102 or equivalent and who need or want to increase keyboarding speed and improve accuracy. Prerequisite: BTEC 102 or equivalent; typing speed of 50wpm.

BTEC 205
Microsoft Outlook (1) (PT)
Course uses Microsoft Outlook for e-mail, scheduling meetings, maintaining appointment calendars, managing contacts, and tasks. Prerequisite: Windows experience and keyboarding skills.

BTEC 210
Word I (5) (PT)
Class covers Word in depth: document preparation, formatting, graphics, WordArt, columns, sorts, charts, mail merge, and styles. Students will format business documents to business standards. Prerequisite: keyboard skill of 35wpm or instructor permission.

BTEC 212
Access I (3) (PT)
An introduction to Microsoft Access. Students will learn basic concepts of database software and be able to integrate Access with Word and Excel. Prerequisite: keyboard speed of 30wpm, Word I and Excel or instructor permission.

BTEC 214
Excel (5) (PT)
A hands-on approach for beginning through intermediate level applications of Excel spreadsheet using a variety of business applications. Prerequisite: word processing, windows, keyboard 35wpm.

BTEC 218
Desktop Publishing (2) (PT)
Students will use Microsoft Publisher to create letterhead, business cards, flyers and announcements, and brochures. Students will learn the basic elements in planning and designing a newsletter. Prerequisite: proficient in word processing.

BTEC 219
Word II (4) (PT)
Course covers advanced word processing topics. Upon completion, students should be able to create newsletters, formal reports and prepare fill-in forms to business standards. Prerequisite: Word I, keyboard speed of 35wpm.

BTEC 220
Ten-Key Calculator (1) (PT)
Touch control of 10-key pad with emphasis on speed and accuracy. Addition, subtraction, multiplication, and division techniques used in solving business problems. Basic or Business Math recommended first.

BTEC 221
Business Communications (5) (PT)
Applying principles of effective communication in written and oral business communication: letters, memos, reports, and presentations. Upon completion students should be able to produce effective positive, negative, and routine letters, memos, and reports and graphs. Prerequisite: BTEC 110 or ENGL& 101 or COMM 101, or instructor permission.

BTEC 222
Microsoft Office – PowerPoint Module (1) (PT)
An introduction to Microsoft PowerPoint. Upon completion of this course students should have beginning knowledge of a presentation program. Prerequisite: keyboard speed of 35wpm, Windows Workstations OS or instructor permission.

BTEC 224
General Office Procedures (5) (PT)
Topics include: professional image and dress, employer expectations, human relations, receptionist techniques, telephone procedures, processing mail, business ethics, job safety, office supplies and equipment, travel and meeting arrangements, reprographics, financial activities, PC cleaning/care, internet and email. Prerequisite: a grade of 2.0 in BTEC 110 or permission of instructor.

BTEC 233
Filing (3) (PT)
Basic principles and procedures of records storage and management. Practice indexing, coding, and filing for alphabetic, numeric, subject, geographic filing systems, and introduction to forms design.

BTEC 240
Legal Terminology (3) (PT)
Development of a legal vocabulary with emphasis on definitions and spelling. Upon completion of this course students should be able to recognize and use basic terminology used in the legal field.

BTEC 243
Legal Machine Transcription I (4) (PT)
Review of legal terminology and the preparation of mailable transcripts from recorded legal dictation. Prerequisite: 2.0 or above in BTEC 110, 240 and typing speed of 50wpm.

BTEC 260
Medical Terminology (4) (PT)
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) (PT)
Topics include professional image, medical ethics and law, safety, patient records, appointments, billing and collections, mail processing, meetings and travel arrangements, office finance, patient education, telephone procedures, cultural differences, and health insurance. Prerequisite: 2.0 or above in BTEC 101, 110, and 260.

BTEC 263
Medical Transcription (4) (PT)
A review of medical terminology and the preparation of medical transcripts. Prerequisite: 2.0 or above in BTEC 102, 110, and 260 and typing speed of 40wpm.

BTEC 266
Medical Law and Ethics (3) (PT)
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.

BTEC 270
Medical Math (3) (PT)
A mathematics course that focuses on solving applications using percent, proportion, and unit conversion as well as descriptive data interpretation. Satisfies the math requirement for the Medical Assistant ATA. Prerequisite: MATH 096 or equivalent.

CHEMISTRY

CHEM& 121
Introduction to Chemistry w/lab (5) (S)
Survey of chemistry with applications in everyday life: atoms, bonds, reactions, and calculations. Prerequisite: one year HS algebra or MATH 098.

CHEM& 131
Introduction to Organic/Biochemistry w/lab (5) (S)
A survey of organic chemistry and biochemistry. Prerequisite: CHEM& 121.

CHEM& 161
General Chemistry w/lab I (6) (S)
First quarter of a 1-year course of general chemistry for science and engineering majors: Atoms, molecules and ions; stoichiometry; aqueous solution reactions; gases; energy; electronic structure; periodic table. Prerequisite: CHEM& 121 or high school chemistry AND MATH 099.

CHEM& 162
General Chemistry w/lab II (6) (S)
The periodic table, chemical bonding, introduction to organic chemistry, intermolecular forces and liquids and solids, physical properties of solutions and kinetics. Prerequisite: CHEM& 161, MATH 099 or equivalent.

CHEM& 163
General Chemistry w/lab III (6) (S)
Chemical equilibrium, acids and bases, solubility equilibria, thermodynamics, redox reactions, coordination chemistry, nuclear chemistry and polymers. Prerequisite: CHEM& 162.

CHEM& 261
Organic Chemistry w/lab I (6) (S)
General physical and chemical properties of simple aliphatic and aromatic compounds. Prerequisite: CHEM& 161, 162, 163 or permission of instructor.

CHEM& 262
Organic Chemistry w/lab II (6)
Complex organic reactions: alkenes; alkynes; aromatics, aldehydes, ketones. Spectroscopy. Prerequisite: CHEM& 261 or equivalent.

CHEM& 263
Organic Chemistry w/lab III (6)
Complex organic reactions: acids, amines; carbanions, heterocycles; polyfunctional compounds. Prerequisite: CHEM& 262 or equivalent.

CHILD and FAMILY STUDIES

CFS 110
Learning and Playing (1-2) (PT)
Parents learn about child development and how to apply that knowledge in their parenting role. Children attend classes with parents and participate in learning activities.

CFS 120, 121, 122
Learning with Infants and Toddlers (2) (PT)
Parents learn about child development and how to apply that knowledge in their parenting role. Children attend classes with parents and participate in learning activities, music, discussion and art.

CFS 130, 131, 132
Positive Parenting I-III (1-4) (PT)
Level I students are introduced to parenting skills to use with children through classroom participation, lecture, and discussion.

CFS 140, 141, 142
Positive Parenting IV-VI (1-4) (PT)
Level II students develop and practice parenting skills with children through classroom participation, lecture, and discussion.

CFS 150, 151, 152
Positive Parenting VII-IX (1-4) (PT)
Level III students demonstrate parenting skills from previous levels through classroom participation, lecture and discussion.

CHINESE

CHIN& 121

Chinese I (D) (5) (H)

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, 123

Chinese II-III (5) (H)

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. Prerequisite: prior course in series or permission of instructor.

CHIN& 221, 222, 223

Chinese IV (5) (H)

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. Prerequisite: prior course in series or permission of instructor.

CIVIL ENGINEERING

CET 100

Introduction to Civil Engineering (2) (PT)

Introduction to the field of Civil Engineering with discussion of the history and practice of civil engineering, sustainability, career success, and the various disciplines within the field of Civil Engineering.

CET 101

Flagger Certification (1) (PT)

Course meets the Department of Labor and Industries State Certification and safety requirements for traffic control. Traffic control situations will be demonstrated. Three-year photo certification card issued upon successful completion.

CET 112

Computer-Aided Drafting I w/lab (5) (PT)

AutoCAD drafting, drawing, editing, dimensioning, drawing aids, layer control, blocks, symbols libraries, and plotting.

CET 113

Computer-Aided Drafting II w/lab (5) (PT)

Emphasizes advanced AutoCAD commands, including assigning and extracting block attributes, creating attribute reports, incorporating and managing external references, isometric drawings, creating dimension styles, use of multiple view ports, and introduction to 3-D wire frame models. Prerequisite: CET 112 or instructor permission.

CET 114

Computer-Aided Drafting III w/lab (5) (PT)

Develop sound computer-aided drafting. Emphasis is placed on importing survey points, defining parcels, creating 3D terrain models, calculating cut and fill volumes, and creating contours with labels. Prerequisite: minimum 2.0 grade in CET 113 or instructor permission.

CET 120

Surveying I (5) (PT)

Fundamentals of plane surveying, including measurements of elevation, distance, and direction. Basic surveying computations will be performed. Emphasis will be placed on hands-on survey technique and sound fieldnote form. Concurrent enrollment in MATH 110 and CET 120, or instructor permission.

CET 121

Surveying II (5) (PT)

Class introduces survey software including electronic data collectors. Field notes are used to perform computation and adjustment of traverses. Topics include: calculating land parcel areas, elements of legal descriptions, and legal principles of boundary surveys. Prerequisite: minimum 2.0 grade in CET 120.

CET 122

Surveying III (4) (PT)

Further practice in traverse and levels under more challenging field conditions. Introduction to field techniques in location of highway curves, topographic mapping, and corner stake-out. Introduction to the Global Positioning System. Prerequisites: CET 120 and 121.

CET 132

Survey Computations (3) (PT)

Land surveying calculations using coordinate geometry, including forward and inverse computations, intersections, parcel areas, and short plats. Computations of structure quantities from construction plans, including surface areas and volumes. Manual and computer-based solutions. Prerequisites: CET 121 and MATH 110.

CET 210

Civil Software Applications (2) (PT)

This course involves the use of spreadsheets and computer aided drafting software to solve engineering problems. Recommended corequisites are CET 251 and 261. Prerequisite: BTEC 214 or equivalent; minimum grade of 2.0 in CET 114 and 260.

CET 221

Land Survey Systems (3) (PT)

The history and applications of the U.S. Public Land Survey System. Restoration of lost and obliterated corners and subdivision of sections. Elements of legal descriptions. Legal principles of boundary surveys. Introduction to state plane coordinates. Prerequisite: CET 122, 132.

CET 240

Engineering Mechanics (5) (PT)

A study of basic concepts in statics and engineering mechanics related to the analysis of internal and external forces acting on structural members and systems. Prerequisite: PHYS& 110 and MATH 110.

CET 250

Construction Materials (3) (PT)

Study of basic construction materials including steel, plastics, concrete and asphalt. Concrete mix design/test and evaluation of materials per WSDOT Standard Specifications.

CET 251

Soil Mechanics w/lab (5) (PT)

A study of basic engineering properties of soils, aggregates, and other subsurface materials, including sampling, testing, and evaluation for use as foundation or structural materials. Prerequisite: GEOL 100 and minimum 2.0 grade in CET 250.

CET 252

Highway Engineering (5) (PT)

Introduction to highway engineering principles. Study of highway components, geometrics, and traffic. Design of bases, flexible and rigid pavements with an overview of maintenance and rehabilitation techniques. Prerequisite: minimum grade of 2.0 in CET 122, 132 and 251.

CET 260

Hydraulics (5) (PT)

A study in the basic theory of hydrostatics and fluid mechanics with emphasis on the fundamentals of flow in pipes and open channels and the construction of water distribution systems. Prerequisite: minimum grade of 2.0 in CET 122, 132 and 251.

CET 261

Environmental Technology (5) (PT)

Introduction to environmental technology focusing on sanitary sewerage, septic systems, storm water quality and treatment, and the environmental impacts of land development. Prerequisite: minimum 2.0 grade in CET 260.

CET 262

Storm water Management (5) (PT)

A study of hydrologic processes and storm water quantification for use in civil engineering site design and planning. Prerequisite: minimum 2.0 grade in CET 260.

CET 270

Elements of Design (5) (PT)

Study of civil engineering design and construction practices involved in land development. Students will use current software and tools to complete technical drawings and designs complying with local design standards. Prerequisite: minimum 2.0 grades in CET 114, 200, 210, 261, and 262.

CET 271

Land Planning and Permitting (2) (PT)

Study of the fundamentals of land use planning and urban design methods related to land development projects. Focus on project permitting processes at the city, county, and state levels in accordance with Washington State laws. Corequisite: CET 270.

COMMUNICATIONS

COMM 100

Dragon NaturallySpeaking (2) (PT)

Designed to assist students in the development of computer and English composition skills while using Dragon NaturallySpeaking (voice recognition) and text to speech software.

COMM 101

Written Communications (3) (PT)

Reviews basic grammar, mechanics and vocabulary and introduces students to basic forms of business communication.

COMPUTER NETWORK TECHNOLOGY

CNT 117

Windows Workstation OS (2) (PT)

An introduction to the Windows workstation operating system. Course will cover such things as the taskbar, Start menu, recycle bin, window views, Windows Explorer, storage devices, printing, saving, control panels, etc.

CNT 118

Advanced Windows Management w/lab (4) (PT)

This course concentrates on materials commonly associated with A+ certification. Students learn how to install operating systems, configure computer functions, create dual boot systems, techniques for trouble shooting, set up for common peripherals, and more.

CNT 119

Windows OS III w/lab (4) (PT)

Microsoft Server products, installation of server software, setup of user accounts, Active Directory Services, establishing client connections.

CNT 136

Linux w/lab (3) (PT)

Introduction to Linux operating system, login procedures, file and directory management, editors, Linux shell, command lines, shell scripts, using language compilers within a Linux environment.

CNT 137

Linux II w/lab (3) (PT)

A second course in Linux. Learn how to optimize system architecture, create custom kernals and configure networks. Prerequisite: CNT 136.

COMPUTER SCIENCE TECHNOLOGY

CST 119

Web Scripting I w/lab (3) (PT)

This course is designed for new web designers who want to develop, modify and design web sites and web graphics using Macromedia products.

CST 120

Introduction to Web Design w/lab (4) (PT)

Create well-designed and effective Web pages. Hands-on computer projects help develop the basic application and design skills to create professional, eye-catching Web sites.

CS& 131

Computer Science I C++ w/lab (5) (PT)

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.

CS& 141

Computer Science I Java w/lab (5) (PT)

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. Prerequisite: MATH 099 or equivalent.

CST 204

XML w/lab (3) (PT)

XML (Extensible mark up language), XHTML, Cascading style sheets, Document Type Definitions, Schemae, Document Object Model, XPath, XSL. Prerequisite: CST 119.

CST 220

Tomcat Web Server w/lab (4) (PT)

Study the Apache HTTPD and the Tomcat Web Servers, installation, configuration and management of the programs is covered. Course includes an introduction to CGI, PHP, and SQL. Deployment of web applications is covered. Pre or corequisite is CST 204.

CST 221

Python Web Development (4) (PT)

A class in developing database driven web applications using Python and the Django web framework. Prerequisite: CST 119 and CS& 131 or CS& 141.

CST 224

JAVA w/lab (5) (PT)

A study of rapid application development (RAD) Java. Development of GUIs using Swing Technology. Object Oriented Analysis. Problem solving techniques as applied to computer programming. Introduction to programming computer graphics. Prerequisite: MATH 099 or equivalent.

CST 228

JAVA: Server Side Programming w/lab (5) (PT)

How to connect to and query a database-based on client requests. Answers will be processed using Java Servlets and Java Server Pages. Data will be presented to the client as a dynamic web page. Prerequisite: CST 224 or CS& 141.

CST 230

JAVA: Server Side Programming II w/lab (5) (PT)

A second course in how to build and program dynamic web applications. Topics include: creating custom tags, integrating email into web applications, specialized servlets, Hibernate, Java Server faces, Struts and deployment strategies. Prerequisite: CST 228.

CST 232

C# w/lab (3) (PT)

Learn graphics programming in a C# object oriented environment. Prerequisite: previous programming language.

COOPERATIVE WORK EXPERIENCE

COOP 190

Cooperative Work Experience (1-12) (PT)

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 hrs on-the-job per quarter. Instructor's permission is required. Corequisite: 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.

CRIMINAL JUSTICE

CJ& 101
Introduction to Criminal Justice (5) (PT)
Examines local, state and Federal law enforcement agencies and the judicial and correctional systems. Career opportunities and qualifying requirements are studied.

CJ 103
Constitutional Case Law (5) (PT)
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 (5) (PT)
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. Pre/corequisite: CJ& 101 or instructor permission.

CJ& 105
Introduction to Corrections (5) (PT)
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. Pre/corequisite: CJ& 101 or instructor permission.

CJ& 106
Juvenile Justice (5) (PT)
Juvenile deviance and theories of criminality are studied. Economic, social, and psychological impact of juvenile delinquency trends examined. Pre/corequisite: CJ& 101 or instructor permission.

CJ 107
Criminal Procedures (5) (PT)
Examines state and federal laws of arrest, search and seizure, civil and criminal liability. The rules of evidence and courtroom proceedings are studied. Pre/corequisite: CJ& 101 or instructor permission.

CJ 109
Community Policing (5) (PT)
Focus on resolving community issues and concerns via Community Oriented Policing and Problem Solving (COPPS) skills and strategies. Pre/corequisite: CJ& 101 or instructor permission.

CJ& 110
Criminal Law (5) (PT)
A broad survey of the common criminal laws and statutes of Washington and the other 49 United States. Pre/corequisite: CJ& 101 or instructor permission.

CJ 111
Criminal Justice Ethics (5) (PT)
Presents an in-depth examination and analysis of the practical, theoretical, ethical and moral considerations found in the criminal justice system. Pre/corequisite: CJ& 101 or instructor permission.

CJ 114
Critical and Current Issues (5) (PT)
Examines current issues, topics and trends in the criminal justice system. Explores the issues of racism and bigotry as related to criminal justice practitioners. Pre/corequisite: CJ& 101 or instructor permission.

CJ 116
Community Corrections (5) (PT)
Community corrections, alternative sentencing, probation and diversion concepts studied. Explores technology innovations pertaining to community supervision. Pre/corequisite: CJ& 101 or instructor permission.

CJ 126
Homicide Investigation (5) (PT)
Tactics, procedures, and forensic techniques of homicide investigation are examined. Various tools and processes systematically employed to identify, arrest, and convict perpetrators are studied. Pre/corequisite: CJ& 101 or instructor permission.

CJ 129
Introduction to Victimology (5) (PT)
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) (PT)
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 (1-10) (PT)
See description under COOP 190 for additional information.

CJ 223
Felony Investigations (5) (PT)
Practical application of investigation techniques for felony crimes is studied and examined. Includes Part I offenses and drug crime, crime scene considerations, search warrants, report writing, evidentiary issues, surveillance, using informants, and assisting with prosecution.

CJ 224
Criminal Interviews and Interrogations (5) (PT)
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) (PT)
Students learn techniques to collect and preserve common evidentiary items located at crime scenes for future laboratory analysis and judicial proceedings while ensuring proper chain of custody. Aspects of arson investigation are also studied.

CJ 228
Crime Scene Photography (5) (PT)
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 (5) (PT)
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 (2) (PT)
Theory of basic heavy equipment shop skills pertaining to safety, tool and equipment use and working skills. This is a requisite course to continue in the Diesel Equipment Technology program. Corequisite: DET 101.

DET 101
Shop Skills Lab (4) (PT)
The application of safety practices, appropriate tool and equipment use, and other basic competencies in relation to working in an automotive/industrial shop. This is a requisite course for continuance in the Diesel Equipment Technology program. Corequisite: DET 100.

DET 102
Forklift Certification (1) (PT)
A comprehensive classroom training along with practical, hands-on instruction on forklift operation and safety. Course covers state and federal regulations and proper operator training. Students are awarded a certification card upon successful completion. Prerequisite DET 100.

DET 110
Mobile Electrical Systems I (3) (PT)
Explores the terminology and fundamental principles of electrical systems found on diesel equipment. Covers basic systems of batteries, starting circuits, charging circuits, and DC circuitry. Prerequisite: DET 100 and 125 or instructor permission; corequisite: DET 111.

DET 111
Mobile Electrical Systems I Lab (5) (PT)
The application of material covered in Mobile Electrical Systems covering batteries, starting circuits, charging circuits, DC circuitry. Prerequisite: DET 101 and 126 or instructor permission; corequisite: DET 110.

DET 120
Internal Combustion Engine I Theory (3) (PT)
The study of operating principles of the internal combustion engine. Corequisite: DET 121.

DET 121
Internal Combustion Engine I Lab (5) (PT)
The disassembly and re-assembly of a variety of diesel engines using service manuals to inspect, analyze and perform tune-up procedures. Corequisite: DET 120.

DET 125
Power Transmission I Theory (3) (PT)
The transmission of power from the power source to the end function of machinery. Emphasis on mechanical devices. Theory of operation and repair.

DET 126
Power Transmission I Lab (4) (PT)
The application of mechanical power transmission and components. Repair and overhaul of components is studied and practiced in the lab. Corequisite: DET 125.

DET 130
Mobile Hydraulics Theory (2) (PT)
The terminology, physical laws, and principles used in hydraulic systems of diesel equipment. Corequisite: DET 131.

DET 131
Mobile Hydraulics Lab (5) (PT)
Practical exercises to aid the student in understanding the basic principles of hydraulic systems of diesel equipment. Corequisite: DET 130.

DET 166
Shop Skills for Welders (3) (PT)
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.

DET 190
Cooperative Work Experience (1-15) (PT)
See description under COOP 190 for additional information.

DET 200
Mobile Electrical Systems II (2) (PT)
Principles of operation of components of electrical/electronic systems. Covers electronic control module (ECM) systems and advanced electrical trouble shooting. Corequisite: DET 201.

DET 201
Mobile Electrical Systems II Lab (4) (PT)
Practical experiences in analyzing, measuring, and trouble-shooting electrical/electronic circuitry. Computer related exercises are incorporated in analysis of these principles. Corequisite: DET 200.

DET 210
Power Transmission II (1) (PT)
The study of powershift and automatic transmissions as used in heavy duty equipment and on highway trucks.

DET 211
Power Transmission II Lab (2) (PT)
The application of power shift and automatic transmission as used in heavy duty equipment and on highway trucks. Corequisite with DET 210.

DET 215
Preventive Maintenance and Inspection (1) (PT)
The study of appropriate procedures and practices of vehicle and machinery preventive maintenance and inspection. Compliance with state and federal regulations is covered.

DET 216
Preventive Maintenance and Inspection Lab (2) (PT)
The application of designing and implementing a preventive maintenance program and the practice of appropriate inspection of vehicles and machinery. Computer related exercises are required. Corequisite: DET 215.

DET 220
Internal Combustion Engine II Theory (2) (PT)
Detailed study of engine analysis and testing theory that produce optimum engine performance. Corequisite: DET 221.

DET 221
Internal Combustion Engine II Lab (4) (PT)
Live engine testing, trouble shooting, and repairs using the dynamometer. Corequisite: DET 220.

DET 225
Heavy-Duty Chassis Systems (4) (PT)
The study of heavy duty chassis systems including steering, frames, braking, and suspension systems. Theory of operation, repair, overhaul and preventive maintenance is covered.

DET 226
Heavy-Duty Chassis Systems Lab (6) (PT)
The application of the operation, repair and overhaul of heavy duty chassis system components including steering, brakes and suspension systems. Preventive maintenance procedures are exercised and computer related projects are required. Corequisite with DET 225.

DET 230
Practical Applications Theory (3) (PT)
Review of common technical repair practices. Introduction to wage/salary systems, productivity, customer relations, job ticket writing, phone etiquette, employer requirements and policies. Coverage of related state and federal requirements.

DET 231
Practical Applications Lab (5) (PT)
Service and repair of industrial trucks and equipment as per customer/instructor repair order. Work is done in an industry-like setting using current repair orders and standard repair time guides (SRT's). Emphasis on quality, efficiency and productivity. Prerequisite: DET 230.

DET 235
Mobile HVAC Systems Theory (2) (PT)
Basic principles of heating and air conditioning as used in mobile applications. Corequisite: DET 236.

DET 236
Mobile HVAC Systems Lab (4)(PT)
Industry accepted practices and procedures of air conditioning system diagnosis and repairs. Corequisite: DET 235.

DRAMA

DRMA 100
Applied Drama (3)
Provides credit for participation in either the artistic or technical aspects of the college's quarterly play productions. This course may be repeated for credit.

DRMA& 101
Introduction to Theater (5) (H)
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)
Introduction to the basics of scenic design for the theatre; drafting and model building. Students will work on the concurrent Centralia College Drama production. Prior enrollment in DRMA 106 is preferred.

DRMA 105
Theater History (3) (H)
Survey of the major periods in Western drama through study of major representative plays and development of the physical theater of those periods.

DRMA 106
Introduction to Stagecraft (3)
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.

DRMA 107
Beginning Acting (5) (H)
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 (5) (H)
Continuation of acting fundamentals with an emphasis on improvisational techniques and exercises, and advance monologue and scene work. Students will be expected to attend two plays during the quarter at their own expense.

DRMA 110
Stage Makeup (3)
Introduction to the types of theatrical makeup and the techniques of application.

DRMA 111
Stage Lighting (3)
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.

DRMA 115
Dramatic Performance (5) (H)
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. Prerequisite: audition selection for quarterly play production.

DRMA 120
Introduction to Playwriting (5) (H)
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 141
Theater Speech (3)
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.

DRMA 148
Introduction to Dance (1)
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.

DRMA 149
Introduction to Movement for Theatre (1)
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.

DRMA 150
Introduction to Modern Dance (1)
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.

DRMA 201
Advanced Acting (5) (H)
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 (3)
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.

ECONOMICS

ECON& 201
Microeconomics (5) (SS)
Study of individual markets and how prices and quantities react within those markets to meet the unlimited wants of human beings.

ECON& 202
Macroeconomics (5) (SS)
Study how any system allocates limited resources to meet unlimited human wants. The major concerns of macro economic policy are: inflation, full employment, national income accounting, fiscal policy, the money supply and international trade.

EDUCATION

EDUC& 115
Child Development (formerly EDEC/EDUC 245) (5) (PT)
An in-depth study of the physical, emotional, social and mental development of children from conception through age eight. An understanding of family structures, interaction and function will be integrated throughout the developmental process.

EDUC& 130
Guiding Behavior (formerly EDEC 165) (3) (PT)
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 (formerly EDEC 174) (3) (PT)
Gain skills to provide developmentally appropriate and culturally relevant activities and care for school-age children. Focus is on preparing the environment, implementing curriculum, building relationships, guiding academic/social skill development, and community outreach.

EDUC& 150
Child/Family/Community (formerly EDEC 160) (3) (PT)
Investigate the family and community contexts in which children develop. Explore cultures and demographics of families in society, community resources, strategies for involving families in the education of their children and tools for effective communication.

EDUC 190
Cooperative Work Experience (1-12) (PT)
See description under COOP 190 for additional information.

EDUC& 201
Introduction to Education (3) (PT)
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 202
Classroom Observation (2) (PT)
Students review teaching as a career. Students observe classrooms in action and attend seminars to discuss their findings. Students may make arrangement with the instructor to start observations before quarter begins.

EDUC& 203
Exceptional Child (3) (PT)
Explains the role of Special Education in education systems. Provides techniques to work with the exceptional child in the classroom. Topics include exceptionality in all areas of development, diagnosis, communication, and working with family structures.

EDUC 210
Fundamentals of Tutoring (1) (PT)
Examination of the core issues of individual learning: learning theories and styles, conferencing and assessment techniques, and developing sensitivity to diverse student populations.

EDUC 275
Curriculum Development (3) (PT)
An examination of the nature, scope, and sequence of curriculum. Discussion of course goals, content and evaluation.

EDUC 280
Teaching Online (4) (PT)
Experience being an online student, make the transition from "face to face" instruction to teaching online. Learn to use online instruction tools, become familiar with Blackboard basics, and begin creating online courses.

EDUCATION-EARLY CHILDHOOD

ECED& 100
Child Care Basics (3) (PT)
Designed to meet licensing requirements for early learning providers, STARS 30 hour basic course recognized in MERIT system. Topics: child development, cultural competency, community resources, guidance, health/safety/nutrition and professional practice.

ECED& 105
Introduction to Early Child Education (5) (PT)
Explore the foundations of early childhood education. Examine theories defining the field, issues and trends, best practices, and program models. Observe children, professionals and programs in action.

ECED& 107
Health/Safety/Nutrition (5) (PT)
Develop knowledge and skills to ensure good health, nutrition, and safety of children in group care and education programs. Recognize the signs of abuse and neglect, responsibilities for mandated reporting, and available community resources.

ECED& 120
Practicum – Nurturing Relationships (2) (PT)
Students gain experience engaging in nurturing relationships with children, keeping children safe and promoting children's growth and development.

ECED& 132
Infants/Toddlers Care (3) (PT)
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) (PT)
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& 139
Administration of Early Learning Programs (formerly EDEC 155) (3) (PT)
Establish administrative skills required to develop, open, operate, manage, and assess early childhood education and care programs. Explore techniques and resources available that meet Washington State licensing and NAEYC standards.

ECED& 160
Curriculum Development (formerly EDEC 230) (5) (PT)
Investigate learning theories and create curriculum that enhances the development of language, fine/gross motor, social-emotional, cognitive and creative skills in young children.

ECED& 170
Environments – Young Child (3) (PT)
Design and evaluate indoor and outdoor environments which ensure quality learning, nurturing experiences, and optimize the development of young children.

EDEC 180
Introduction to Child Development Associate (1-12) (PT)
Training designed to teach Child Development Associate (CDA) Competencies. Topics include Washington State S.T.A.R.S. Initial Training, Creating Safe and Health Environments, Child Growth, Development and Learning, Child Guidance, Working with Families, Communication, Observation and Assessment, Curriculum Development, and Professionalism. The Course is taught in ten one-week modules. These modules may be taken consecutively or individually, as needed.

ECED 181
Language and Literacy (5) (PT)
Create teaching strategies for language acquisition and literacy skills at each developmental stage (birth-8) through the four interrelated areas of listening, speaking, writing, and reading.

ECED& 190
Observation/Assessment (formerly EDEC 132) (3) (PT)
Collect data to assess children. Use this data to plan for group and individual needs.

EDEC 232
Special Education Curriculum (3) (PT)
Examination of the theories and models of curriculum development for special education learners.

EDEC 235
Special Education Practicum (5) (PT)
Integration of theory, methods and child development into classroom practice. Opportunity to examine and experience all of the competencies of the professional teaching in the Special Education classroom. Pre/Corequisites: EDEC 225 and 230.

ELECTRONICS, ROBOTICS, and AUTOMATION

ELT 113
Cabling and Soldering w/lab (5) (PT)
Hands on experience basic to electronic repair. Safety and proper use of tools, component identification, reading and drawing schematic diagrams. Prototyping techniques, soldering and unsoldering leaded and surface mount components. Wire wrap and proper cabling techniques.

ELT 115
DC Electronics w/lab (5) (PT)
Basic electronic theorems. DC circuit analysis. Series and parallel circuits.

ERA 120
Sensor Technology w/lab (3) (PT)
How to use, repair and calibrate electronic sensors that measure heat, light, magnetism, pressure, flow and liquid level.

ELT 121
AC Electronics w/lab (5) (PT)
Analysis and troubleshooting of AC circuits. Capacitors and Inductors are studied. Transformers and filters. Prerequisite: ELT 115.

ELT 133
Solid State Electronics w/lab (5) (PT)
Semiconductor theory. Diodes. Bipolar junction transistors. Field Effect Transistors. Biasing Circuits. Prerequisite: ELT 121.

ELT 137
Power Supplies w/lab (5) (PT)
Half wave and full wave rectifiers, voltage multipliers and power supply filters. Linear power supplies. Monolithic IC regulators. Prerequisite: ELT 121. Corequisite: ELT 133.

ERA 150
Robotics I w/lab (3) (PT)
An introduction to the principles of robotics. Prerequisite: one quarter of prior programming.

ERA 151
Mechanical Systems w/lab (3) (PT)
Explore the principles behind simple machines, then apply this knowledge to the study of pneumatic systems.

ELT 212
Computer Electronics I w/lab (4) (PT)
Digital Logic Circuitry, Binary numbers, Small Scale and Medium Scale Integration, Boolean Algebra, Combinational and Sequential circuitry.

ELT 213
Small Signal Amplifiers w/lab (5) (PT)
Small signal amplifiers using bipolar junction transistors and field effect transistors studied. Circuit gain, input and output impedance and bandwidth calculations are used to predict circuit operation. Troubleshooting techniques practiced. Op amp circuits are studied.

ELT 222
Computer Electronics II w/lab (5) (PT)
An overview of computer architecture. Numbering systems and an introduction to assembly level programming. Prerequisite: ELT 212.

ELT 223
Large Signal Amplifiers w/lab (5) (PT)
Audio preamplifier filters. Tone Circuits. Equalizers and crossover networks. Class A, B, AB operations. Common biasing topologies.

ERA 230
Robotics II w/lab (4) (PT)
Students learn the mechanical, electronic and software features of autonomous robots. Prerequisite: ERA 150, ELT 115, CST 224.

ELT 235
Communication Systems w/lab (5) (PT)
AM, FM and SSB Modulation, tuners, Class C amplifiers, radio frequency oscillators, Pulse and Digital Modulations, oscillators, Phase Locked Loops, RFID, antennas. Prerequisite: ELT 213

ELT 238
Network Technology w/lab (4) (PT)
LAN setup, connecting LANS to WANs. Network Interface Cards, Client connectivity, network protocols, router configuration. Prerequisite: ELT 212 or instructor permission.

ELT 242
Network Technology II w/lab (4) (PT)
Course concentrates on materials commonly associated with Security+ certification. Coverage includes risk identification, intrusion detection, encrypted communication, firewalls and basic forensics. Prerequisite: ELT 238.

ERA 250
Automation I w/lab (4) (PT)
An introductory study of the principles of Automation. This includes: Thyristors, Electric Motors, Motor Controls, Ladder Logic and Closed Loop Systems. Prerequisites: ELT 121, ERA 120, ERA 151.

ERA 251
Automation II w/lab (4) (PT)
A second course in automation and robotics. Topics covered include electric motors, motor controls work cell robotics, and a very heavy emphasis on programmable logic controllers. Prerequisite: ERA 250

ERA 270
Robotic III w/lab (4) (PT)
A third course in Robotics. Topics covered are: infrared range sensing, navigation principles of autonomous robots, behavior based control, and characteristics of workcell robotics. Prerequisite: ERA 230.

ENERGY TECHNOLOGY

PPO 100
Introduction to the Energy Industry (5) (PT)
Provides a broad background in fields related to power generation.

PPO 101
Introduction to Power Generation and Process Controls (3) (PT)
Provides a broad background in fields related to power generation and process control technology.

PPO 102
Power Generation (5) (PT)
Focus will be on environmental issues surrounding power plants. Introduction to boilers including design and ancillary equipment. Prerequisite: PPO 100

PPO 103
Electric Utility Distribution System (5) (PT)
Continuing coverage of power systems, boilers and prime movers. Prerequisite: PPO 102.

PPO 120
Energy Tech. Blueprint Reading (4) (PT)
An in-depth study of construction blueprints for residential, commercial, and industrial facilities, emphasizing interpretation as it applies to the energy and HVAC industries.

PPO 130
Industrial Safety (5) (PT)
Industrial safety practices, procedures, and equipment as found in modern power plants. Also included will be basic first aid and CPR, and basic firefighting equipment and procedures. Basic Rigging will be taught stressing safety. Prerequisite: PPO 102.

PPO 150
Energy Efficiency (3) (PT)
A study of Energy Efficiency concepts related to the efficient and effective use of electricity in home and industry. Subjects covered will include electrical terms, green alternative energy sources, transportation, solar, wind, biomass, and insulation.

PPO 151
Energy Efficiency Lab (2) (PT)
Real world application of Energy Efficiency concepts. Students will do an energy audit of their homes measuring and calculating the overall energy efficiency of the home. Corequisite: PPO 150.

PPO 191
Power Plant Job Preparation (4) (PT)
Introduces students to local power generation facilities through touring potential job sites, performing market research and preparing for the POSS test which is required for entry level employment or apprenticeship.

PPO 201
Plant Systems (5) (PT)
Provides a background in power plant cycles, systems and equipment, including an introduction to instrumentation and control. Prerequisite: PPO 102.

PPO 202
Plant Maintenance (5) (PT)
Provides a background in refrigeration, heating, ventilation and air conditioning; and lighting. Prerequisite: PPO 201.

PPO 203
Plant Operations Refrigeration and HVAC (5) (PT)
Provides a background in power plant operations and controls. Prerequisite: PPO 202.

ENGINEERING

ENGR 100
Introduction to Engineering (2)
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 (2)
Introduces the basic concepts of engineering graphics through freehand sketching and computer-aided drafting. Includes orthographic projection, section and auxiliary views, dimensioning and text.

ENGR& 112
Engineering Graphics II (3)
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. Prerequisites: ENGR& 111 or equivalent, or permission of instructor.

ENGR 203
Applied Numerical Methods (5)
Numerical solutions to engineering and science problems using modern scientific computing tools. Application of mathematical judgment in selecting computational algorithms and communicating results. Introduction to MATLAB programming for numerical computation. Prerequisite: MATH& 152 (MATH 118 recommended) or instructor permission.

ENGR& 204
Electrical Circuits (5)
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& 141 is recommended. Prerequisite: MATH& 152 and PHYS& 222.

ENGR& 214
Statics (5)
First of a three-course sequence. The basic principles of vector statics; friction, analytical and graphical methods of solving force systems including frames, trusses, and other simple mechanisms; centroids and moments of inertia; chains and cables. Corequisite: MATH& 151.

ENGR& 215
Dynamics (5)
Second of a three-course sequence includes the study of kinematics and kinetics of a particle, work-energy, impulse-momentum, relative motion, and rigid-body mechanics. Vector methods will be stressed throughout. Prerequisite: MATH& 152.

ENGR& 225
Mechanics of Materials (5)
The last of a three-course sequence. Includes the study of stress, strain, deflection in beams, columns, machine and structural members. Includes bending moments, shear, torsion, deformation, unsymmetrical bending, and eccentric loading. Prerequisite: ENGR& 214.

ENGLISH

ENGL 093
Independent Study (1-5)
Individualized instruction for the student whose needs are not currently being met by the available course offerings. Specialized curriculum and instruction are developed to meet each student's needs. Permission of instructor only.

ENGL 094
Spelling (1-5)
Topics covered in this course include basic spelling patterns, commonly confused words, apostrophe use, capitalization, plural formation, and how pronunciation helps to improve spelling. Students utilize materials according to pretesting information.

ENGL 095
Vocabulary Development I (1-5)
Builds a base of words used in everyday communication, provides systematic study, increases proficiency in oral and written communication and reading comprehension. Students are given a placement test and assigned materials at an appropriate level.

ENGL 096
Vocabulary Development II (1-5)
Builds a base of words used in everyday communication, provides systematic study, increases proficiency in oral and written communication and reading comprehension. Students are given a placement test and assigned materials at an appropriate level.

ENGL 097
Vocabulary Development III (1-5)
Course provides a systematic study of college level academic words and their roots, prefixes, and suffices to increase proficiency in oral and written communication.

ENGL 098
Writing and Grammar Review (1-5)
Study proper word usage, sentence structure, and punctuation. Writing includes personal essays and summaries. Emphasis is on improving grammar and writing skills for personal needs and preparation for technical coursework. Prerequisite: students must meet mandatory placement requirements to enroll.

ENGL 099
Fundamentals of English (1-5)
Prepares students for college composition. Students analyze texts, review sentence structure and punctuation, and write several short essays and other writing. Students must meet mandatory placement requirements to enroll.

ENGL 100
Writing for College (1)
Lab hours in the Writing Center will support skill development and confidence in specific aspects of college writing, to be defined in an Individual Learning Plan (ILP) with instructor.

ENGL& 101
English Composition I (5) (C)
Expository writing course which encourages students to think and write with clarity, conciseness, and enjoyment; to organize and develop their ideas; and to express themselves sharply, economically, and grammatically. Prerequisite: students must meet mandatory placement requirements to enroll. A minimum score of 83 on the COMPASS test, a minimum score of 46 on the ASSET test, or completion of five credits of ENGL 099 with a minimum grade of 2.0.

ENGL& 102
Composition II (5) (C)
A course in argumentative and persuasive writing, methods of research, development and preparation of original source-based papers and projects. Prerequisite: completion of ENGL& 101 with a minimum grade of 2.0.

ENGL 104
Argumentation Research Workshop (1)
Provides supplemental instruction and support for English 102 students, including library research, critical reading, thesis development, and forms of argumentation. Prerequisite: ENGL& 102 (recommended corequisites)

ENGL 107
Professional Writing (3)
Learn to write, edit and format professional forms of communication, how to adapt materials to its audience, to blend text to graphics, and how to avoid technical jargon, using the principles of good English. Prerequisite: ENGL& 101 or COMM 101.

ENGL& 111
Introduction to Literature (5) (H)
Introduces the major genres, techniques and themes of literature by examining the work of a variety of classic and contemporary authors.

ENGL& 113
Introduction to Poetry (5) (H)
Introduction to modern poetry (mid-19th c. to present) through the study of major English language poets: their lives, influences, and works. Prerequisite: ENGL& 101.

ENGL& 114
Introduction to Dramatic Literature (5) (H)
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 (5) (H)(D)

Examines literature written by women to understand how gender, class and race shape their experience and their writing. Genres will include poetry, short stories, non-fiction, fiction and drama. College-level reading and writing skills expected.

ENGL 180
Short Fiction (5) (H)

Survey of short story as representational vehicle in romanticism, realism, modernism, horror, satire, science fiction, magical realism. Primarily American in focus; includes cross-cultural comparisons. College-level reading, writing skills expected. Creative writing options.

ENGL 204
Introduction to Shakespeare (5) (H)

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 (5) (H)

Writers will move beyond the traditional "academic essay" into an exploration of literary genres to include poetry, creative nonfiction, short fiction, and drama in interactive workshop environment. Prerequisite: ENGL& 101.

ENGL 209
The Hero's Quest: Survey of English Literature 7th Century (5) (H)

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 English Literature 1616 (5) (H)

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 (5) (H)

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 220
American Drama (3) (H)

Presents six classic American plays which deal with society and family expectations. Students will view, analyze, discuss, and write on the literary components and substance of these plays.

ENGL 233
Literature for Children and Adolescents (5) (H)

Introduction to historical framework of this genre of literature and the authors and illustrators of children's books from pre-school to adolescence. Classics as well as contemporary publications included. Reading to children at day-care included.

ENGL& 235
Technical Writing (5) (C)

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. Prerequisite: completion of ENGL& 101 with a minimum grade of 2.0.

ENGL& 244
American Literature I (5) (H)

Surveys how great American writers have addressed classic American values and conflicts, tracing the development of our national literature through the Puritan, Transcendental, Realist, Naturalist, and modern movements and covering poetry, fiction, and nonfiction.

ENGL 249
The Great American Novel (5) (H)

Explore the development of the American novel and its major themes, focusing on classics by writers like Hawthorne, Melville, Twain, Chopin, Hemingway, Faulkner, and Morrison. This course requires college level reading and writing skills.

ENGL 250
Literary Themes (1-5)

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 260
Non-Western World Literature (5) (H) (D)

Literature of the non-western world, ancient times to the present. Students will explore works from India, China, Africa, Japan, the Middle East, and Latin America.

ENGL 271
Intermediate Creative Writing (3)

Students will hone their creative writing, workshopping, and revising skills while working on an individual project. Prerequisite: ENGL 208 & instructor permission.

ENGL 272
Advanced Creative Writing (3)

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. Prerequisite: ENGL 271 & instructor permission.

ENVIRONMENTAL SCIENCE

ENVS& 100
Survey of Environmental Science (5) (S)

An introduction to the interactions between humans and the natural world. Topics include structure and function of ecosystems; populations growth; mineral, water, forest, food and energy resources, waste management, pollution. Local and global environmental issues will be discussed.

ENVS 100L
Introduction to Environmental Science Lab (1)

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. Corequisite/or prerequisite: ENVS& 100 or ENVS 170.

ENVS& 101
Intro to Environmental Science w/lab (5) (S)

An interdisciplinary course for non-science majors and beginning science students. Topics include biodiversity, climate, pollution, energy and food. Independent laboratories and field trips included. Students cannot receive credit for Both ENVS& 100 and ENVS& 101.

ENVS 120
Watersheds: Connecting Mountains to the Sea (5) (S)

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.

ENVS 170
Introduction to Natural Resources (5) (S)

What are Pacific Northwest forests, fishes and wildlife? Learn some common species, historical human uses, what policies drive their management, how to conserve them for future use, and how to plan for a career in the field.

FRENCH

FRCH& 121, 122, 123
French I-III (5) (H)

A multimedia course that combines video, audio, and print. Emphasis is on communicative proficiency, self-expression and cultural insight. Resources include CDs, videos and the World Wide Web.

GEOGRAPHIC INFORMATION SYSTEM

GIS 101
GIS Introduction (3) (PT)
Provides an overview and hands-on practice with Esri's ArcGIS Software (ArcMap / ArcCatalog). Encourages students to associate, relate, and apply GIS technology to major and career goal. Students will complete Esri 'Virtual Campus' Certificates.

GIS 102
GIS Spatial Data Design (3) (PT)
Provides in-depth analysis and hands-on practice with coordinate systems, projections, and the structure capabilities and methods for designing geodatabases within GIS. Students will complete Esri 'Virtual Campus' Certificates.

GIS 103
GIS Based Cartography (3) (PT)
Introduces the art and science of GIS cartography (map making). Create digital and hardcopy representations for a variety of audiences, using the latest Esri GIS software and extensions. Students will complete Esri 'Virtual Campus' Certificates.

GIS 104
GIS and GPS Integration (3) (PT)
Collect, transfer, and use Global Positioning System (GPS) data as primary and secondary data in GIS software for analysis and visualization. Students will complete Esri 'Virtual Campus' Certificates.

GIS 110
Principles of GIS (5) (PT)
Introduction to the principles of geographic information systems: data sources, data models, capturing and manipulating GIS data, geography concepts, and spatial data. Hands-on practice with GIS software. Prerequisite: MATH 098, must have computer skills (email, file structure, windows).

GIS 200
GIS Extensions Analyst (3) (PT)
Introduction to Esri's ArcGIS Extensions that provide advanced analysis and visualization options while developing skills using 3D Analyst, Spatial Analyst, Network Analyst, Model Builder, Maplex, and others. Students will complete Esri 'Virtual Campus' Certificates.

GIS 201
GIS Capstone (3) (PT)
In this culminating course, students plan and implement a project using skills such as spatial data design, cartography, and extensions analysis acquired in previous GIS courses.

GIS 250
GIS and Remote Sensing w/lab (5) (PT)
Application of geographic information systems (GIS) and techniques of remote sensing in natural resource management, including area determination, scale, height measurement, and forest analysis. Detailed cases are studied. Prerequisite: GIS 110, ENGL 099, MATH 099, or instructor permission.

GEOGRAPHY

GEOG& 200
Human Geography (5) (D) (SS) (formerly GEOG 250)
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.

GEOG 201
Introduction to Physical Geography w/lab (4) (S)
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. Concurrent enrollment in GEOG 201L. Coursework will include some college level writing and math.

GEOLOGY

GEOL 100
Geology for Engineering and Environmental Studies w/lab (3) (S)
Explore minerals and rocks, geological processes, and geological investigation techniques that relate to geotechnical and environmental concerns.

GEOL& 101
Introduction to Physical Geology w/lab (5) (s)
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. Concurrent enrollment in GEOL& 101L.

GEOL 102
Earth Evolution and Global Change (4) (S)
Students will explore the evolution of the Earth and life through geologic time. Origin of the earth, its oceans and atmosphere, evolution of plants and animals, plate tectonics, changes in the continents through time, sedimentary deposits and environments, fossils, geologic time. No prerequisites but GEOL 101/101L recommended; concurrent enrollment in GEOL 102L. Coursework will include some college level writing and math.

GEOL 102L
Earth Evolution and Global Change (1) (S)
Identify common sedimentary and other rocks, minerals, and fossils; interpret sedimentary environments; determine relative ages; learn about plate tectonics. Concurrent enrollment in GEOL 102 or instructor permission.

GEOL 108
Natural Hazards and Catastrophes w/lab (5) (S)
An examination of earth materials and processes through the study of earthquakes, volcanoes, landslides, floods, tsunamis, hurricanes, tornadoes, wildfires, and meteorite impacts. Examination of causes and effects on human populations and the environment; preparedness, prediction and forecasting; mitigation of risks, and case studies.

GEOL 180
Cascade and Plateau Geology (3) (S)
Students will explore the geology of a selected area of interest, for example, Hawaii, Grand Canyon, Rocky Mountains, Cascades, Yellowstone, Tetons, Southwest Deserts, etc.

GEOL& 208
Geology of the Pacific Northwest w/lab (5) (S)
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.

HEALTH

HLTH 120
Women's Health Issues (3) (HF) (D)
An opportunity to examine current women's health and well-being issues.

HLTH 125
Exploring Healthcare Professions (3)
An opportunity for investigating the many career opportunities in the health sciences.

HLTH 130
Health and Wellness (3) (HF)
An exploration of current personal health issues and a presentation of contemporary approaches to obtaining and maintaining a high level of wellness.

HLTH 135
Healthy Weight Control (2) (HF)

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.

HLTH 140
Exercise and Nutrition (3) (HF)

Two core components of a healthy lifestyle - a healthy diet and a safe exercise program - will be explained and developed. Students are expected to exercise outside of class time.

HLTH 145
Safety and Fitness (3) (HF)

Emphasizes the importance of safety, first aid, and exercise as they relate to an individual's level of health and fitness. The course includes American Red Cross Community First Aid and Community CPR certification.

HLTH 163
First Responder (5) (PT)

The course prepares students for certification as a First Responder in the State of Washington. Both lecture and hands-on practical training are used to teach important aspects of basic pre-hospital care. Must be 18, affiliated with Lewis County EMS or law enforcement agency, have valid Driver's License, pass a background check.

HISTORY

HIST 110
History of Intolerance (3) (SS) (D)

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 (5) (SS)

Analysis of the development of major political, economic, social and cultural characteristics of Antiquity and Medieval Europe.

HIST& 117
Western Civilization II (5) (SS)

Analysis of the modern state with emphasis on the Renaissance, the Reformation, Absolutism, Scientific and Political Revolutions.

HIST& 118
Western Civilization III (5) (SS)

Analysis of the late 19th and 20th centuries with special attention paid to the development of political, social and economic trends and events.

HIST& 146
US History I (5) (SS)

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 (5) (SS)

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 (5) (SS)

Analysis of American history from World War One to the present. Emphasis will be on the political, social, and economic changes.

HIST& 214
Pacific Northwest History (5) (SS)

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 275
America in Vietnam (5)

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.

HONORS PROJECT

HON 160, 170
Honors Project (3)

Honors students will work with one faculty mentor to develop, complete, and publicly present a three-credit project or paper that requires original research and development. It is expected that the project will involve 60 to 90 hours of work, including initial and progress meetings with the faculty mentor.

HON 250
Honors Colloquium (5)

Honors students will explore the annual Phi Theta Kappa (International Honors society of the Two-Year College). Honors Study Topic in a colloquium setting, using texts, films, Internet, and other resources.

HUMAN RELATIONS

H R 110
Human Relations – Workplace (5)

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.

H R 210
Human Resource Management (5)

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 relations.

HUMANITIES

HUM 110
Ethics and Cultural Values (5) (H) (D)

An interdisciplinary study of philosophy, literature, history and religion within Western and Oriental ethical systems of thought. It focuses on the importance of cultural values through a study of virtue, duty, utility, and rights.

HUM& 116
Humanities I (5) (H)

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 (5) (H)

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 (5) (H)

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 (5) H)

An examination of the social, historical, technical, and artistic aspects of film through viewing, study and discussion of notable motion pictures.

HUM 281, 282, 283, 284, 285, 286
Lyceum I (1)

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.

INTENSIVE ENGLISH PROGRAM

IEP 084, 088, 092, 096
Intensive English Speaking (1-5)

Multi-level language course with emphasis on communicative oral proficiency. Instruction includes use of multimedia to enhance the learning of the English language and American culture.

IEP 085, 089, 093, 097

Intensive English Listening (1-5)

This course provides students with reciprocal listening training. They will also be introduced to non-reciprocal listening tasks both in a formal and non-formal method of communication.

IEP 086, 090, 094, 098

Intensive English Reading (1-5)

Multi-level reading course for non-native English Speakers that emphasizes the acquisition of reading skills at a post-secondary level, including vocabulary, comprehension, reading rate, and study skills.

IEP 087, 091, 095, 099

Intensive English: Writing and Grammar Level I (1-5)

This is a multi-level class to prepare non-native English students for writing in college level academic and technical courses. Difficulty and length of writing assignments increase with each level. Students write about themselves, their culture or other familiar topics, discuss and write about American and world culture, and academic topics. Writing fluency is stressed, and correction focuses on structural and grammatical errors appropriate to each level. Paragraph development and short essay organization are emphasized. Writing includes description, narration, comparison/contrast, with some analysis and summarizing of short reading passages. Students keep a daily journal.

JOURNALISM

JOUR 106

Introduction to News Writing I (5) (H)

Learn the difference between news writing and other types of writing. Practice writing a variety of kinds of news articles.

JOUR 107

Introduction to News Writing II (3) (H)

Start, develop and polish hard news and soft news stories. Practice gathering information from a variety of sources. Prerequisite: JOUR 106.

JOUR 160

Introduction to Mass Media (5) (H)

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.

JOUR 170

Racism, Sexism and the Media (3) (D) (H)

Issues of race and gender in the media from both an historical and a current perspective.

JOUR 180

Issues in Mass Media (2)

Discuss and interpret issues as they relate to the media. Learn to evaluate media messages critically.

LIBRARY

LIBR 180

Research in the 21st Century (5)

Students examine various strategies for locating, evaluating, and applying information resources in the research process. Attention is paid to information issues like intellectual property, censorship, and freedom of information. Prerequisite: eligibility for ENGL 101

LIBR 182

Research Skills (2)

Student will learn how to use the tools of research, including both traditional library resources and those accessed over the internet. They will discover how information is organized and indexed for retrieval, the appropriate search syntax for a variety of databases, and the underlying search patterns that remain constant from resource to resource. Students will demonstrate acquisition of these skills through the creation of a topic pathfinder and individual weekly assignments. Prerequisite: ENGL 099 or equivalent.

BACHELOR OF APPLIED SCIENCE IN MANAGEMENT

BAS 300

Foundations of Management (5)

Foundation course that explores organizational theory and introduces the principles and concepts of effective management including planning, organizing, leading, and controlling. Effective decision-making, conflict resolution, change management and motivating employees will be discussed.

BAS 305

Managerial Economics (5)

This course surveys economic condition and the application of tasks normally associated with a corporate economist. Topics of study include free market economies, supply and demand, regulation, inflation, price elasticity, and comparative advantage.

BAS 310

Accounting Principles for Managers (5)

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.

BAS 315

Ethics (5)

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.

BAS 320

Leadership and Organizational Behavior (5)

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.

BAS 325

Legal Issues (5)

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.

BAS 330

Professional and Organizational Communication (5)

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.

BAS 340

Applied Financial Management (5)

Surveys the application of tasks normally associated with the corporate financial manager. Topics of study include planning, controls, capital markets, capital budgeting, capital structure, and working capital management.

BAS 350

Managerial Statistics (5)

An introduction to the science of good decision-making in the face of uncertainty. Common statistical analysis techniques will be examined and applied in case studies involving financial analysis, econometrics, auditing, production, and operations including services improvement and marketing research. Students will examine the difficulties, subjective decisions, and pitfalls when analyzing data and making inferences from numbers. Students will be required to think logically about quantitative evidence and to translate real-world situation into mathematical questions. A group presentation of a statistical analysis with arguments will be required. (Pre-requisite: any 100-level math course that has Math 099, Algebra II, as a pre-requisite)

BAS 360

Business Principles, Planning, and Strategy (5)

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.

BAS 370

Practicum in Management (5)

This course will explore and build student comprehension of the application of management functions covered in BASM courses via direct interaction between students and local managers and entrepreneurs from private, public and non-profit sectors.

BAS 380

Marketing for Managers (5)

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.

BAS 410

Project Management (5)

This course covers the theory and practice of project management in the context of technical, financial and human resource constraints. Planning, organizing, securing and managing the human, financial and physical inputs required to meet project objectives will be covered. An understanding of contemporary techniques will be developed and how technology is used to create visual tools for the monitoring, measurement and management of complex projects. The final project will consist of small teams recommending to the cohort the type of project management technique that is most appropriate for a specific project from a case study. Prerequisite: BAS 300.

BAS 420

Management of Human Resources (5)

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.

BAS 435

Operations Management (5)

A capstone course in which students investigate the unique aspects of managing and growing small- to medium-sized businesses including strategic and operational planning and inevitable tradeoffs that must be considered. Evaluation of the operational decision-making management techniques used to improve the processes and productivity in organizations. Topics include quality and outcomes, efficiency, forecasting, work flow processes, working capital management, inventory control, design of good and services and supply chain issues. The final project will require students to apply techniques of operations management to develop realistic alternatives for a local organization. (Prerequisite: completion of BAS foundation courses and 30 additional BAS core credits)

BAS 440

Environmental Issues (5)

Investigate how environmental pressures (e.g., sustainable development) and environmental problems (e.g., global warming, air pollution, waste disposal) impact corporate mission, competitive strategy, technological choices, product development decisions, production processes, and corporate responsibility. Examine basic concepts of ecology and environmental science as they relate to permitting. Regulations to SEPA, NEPA, the Army Corps, archeology, and hydraulics will be studied from the perspective of local planning departments. Students will prepare typical permit applications required for on-the-ground project development in Lewis County including the ever-present issue of dealing with groundwater and wetlands issues. This course will have a lab component which will meet on the weekends.

BAS 470

Management Internship (5)

A capstone course which is a culminating activity which will require the application of the BASM Program learning outcomes. An individualized or small team internship will conducted with students working (paid or unpaid) for local business, entrepreneurs, non-profits, or governmental units in a supervised environment where specific program-related outcomes have been designed and agreed to by the student, the organization providing the internship, the faculty member teaching BAS 470 and the BASM Program director. The internship will use the students' acquired skills to provide meaningful and practical input to the organization involved. Students will work individually or in small teams as appropriate. The cohort will meet so students can share the nature of the issue, the progress as well as the barriers they are experiencing so students can learn from one another. Students will be graded on the basis of the quality of the deliverable that is provided to the host organization. (Pre-requisite: completion of BAS foundation courses and 30 additional BAS core credits)

BAS 490

Strategic Management and Policy (5)

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. Includes strategic issues facing organizations such as: the global economy, regulatory changes, competitive pressures, challenges from non-traditional competitors, and the identification and realization of new services and products. Topics will include financial analysis, decision-making, communications, as well as the leadership required to affect and sustain positive organizational change. Complex case studies of both commercial and non-profit entities will be used to immerse the students in the integrated complexities that general managers face. (Pre-requisite: completion of BAS foundation courses and 30 additional BAS core credits)

MATHEMATICS

MATH 095

Basic Mathematics (1-5)

For students who need to review basic math concepts such as whole number, fraction and decimal operations. Appropriate placement test scores.

MATH 096

Pre-Algebra (1-5)

Covers percents, proportions, unit conversions, geometry, simplifying algebraic expressions and solving simple first degree linear equations. Prerequisite: MATH 095 or appropriate test score placement.

MATH 097

Algebra for Statistics (5)

An algebra course for students intending to enroll in MATH& 146, Introduction to Stats. This course does not meet the algebra prerequisite or other quantitative skills courses or for transfer to the University of Washington. Prerequisite: MATH 096 or Compass score of 78+.

MATH 098

Algebra I (1-5)

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 rational expressions. Prerequisite: MATH 096.

MATH 099

Algebra II (1-5)

Introduces the concept of functions, their graphs and properties. Particular attention will be paid to linear, quadratic, exponential and logarithmic functions. Prerequisite: MATH 098 or equivalent.

MATH 100
Technical Mathematics I (5)

Focus is on methods of problem solving for the technical fields. Course develops mathematical vocabulary and skill with algebraic expressions, formula manipulations, graphing techniques, right triangle trigonometry, geometry, exponents, logarithms, and equation/system of equation solving. Prerequisite: MATH 098 or equivalent

MATH 101
Foundational Math Concepts (5)

Study of foundational math theory and concepts including number sense, algebra, geometry, data analysis and math vocabulary through inquiry-based learning. Does not meet Quantitative Skills distribution requirement for AA degree. Prerequisite: MATH 095 or equivalent.

MATH& 107
Math in Society (5) (M)

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. Prerequisite: MATH 099 or equivalent.

MATH 110
Technical Mathematics II (3)

Course emphasizes trigonometric functions used to solve engineering, electronics, and mechanics application problems. This course does not satisfy the quantitative skills requirement for either an AA or AS degree. Prerequisite: MATH 100 or equivalent.

MATH 115
College Algebra for Business (5) (M)

Linear, polynomial and rational function models. Exponential and logarithmic functions, Mathematics of finance, matrices, linear programming, set operations, and probability. Prerequisite: MATH 099 or equivalent.

MATH 116
Industrial Math (5)

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 mathematics in diesel and welding.

MATH 118
Linear Algebra (5) (M)

Computational and modeling tools with applications in physics, mathematics, engineering, economics, and business. Topics include systems of equations, matrix algebra, vector spaces, subspaces, bases, orthogonality, transformations, and eigenvalues. Prerequisite: MATH& 142 or equivalent placement.

MATH& 131
Math for Elementary Education 1 (5) (M)

Designed to provide the conceptual framework for teaching mathematics from kindergarten through eighth grade. Prerequisite: MATH 099 or equivalent ASSET/COMPASS score.

MATH& 132
Math for Elementary Education 2 (5) (M)

The second of two courses designed to provide the conceptual framework for teaching mathematics from kindergarten through eighth grade. Prerequisite: MATH& 131

MATH 135
Precalculus Refresher (5) (M)

Designed as a refresher course for students who have previously had a Precalculus course. Content includes everything covered in MATH 141 and MATH 142. Prerequisite: High school pre-calculus equivalent or Instructor Approval.

MATH& 141
Precalculus I (5) (M)

Study of elementary functions (polynomial, rational, exponential, and logarithmic), systems of equations, matrix algebra, and series and sequences. Modeling and problem solving techniques are emphasized from a graphic, symbolic, and numeric perspective. Prerequisite: MATH 099 or equivalent placement.

MATH& 142
Precalculus II (5) (M)

Graphical, numerical, and symbolic development of the trigonometric functions and their inverses as defined on the unit circle and right trae and right triangles; identities, equations, and applications; complex numbers, polar coordinates, parametric equations, vectors, and conic sections. Prerequisite: MATH& 141 or equivalent placement.

MATH& 146
Introduction to Statistics (5) (M)

Introduction to concepts of data collection, organization and summaries. Develop the fundamental concepts of mean, median and standard deviation, probability, probability distributions, and apply these ideas to hypothesis testing, linear regression and analysis of variance. Prerequisite: MATH 099 or equivalent.

MATH 150
Survey of Calculus (5) (M)

Serves the needs of students whose programs demand a relatively brief introduction to the calculus concepts of limit, change, rate of change, and integration with applications in the field biological, social and management sciences. Prerequisite: MATH& 141, MATH 115 or equivalent.

MATH& 151
Calculus I (5) (M)

The first in a four-quarter sequence. Limits, derivatives of algebraic and some transcendental functions, applications of derivatives, the indefinite integral. Topics covered from numerical, analytical and graphical viewpoints. Prerequisite: MATH& 142 or equivalent.

MATH& 152
Calculus II (5) (M)

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. Prerequisite: MATH& 151 or equivalent.

MATH 156
Calculus I Lab (1)

Analyze concepts from Calculus I using algebra-based computer software. For students currently enrolled in Calculus I or who have instructor permission. Corequisite: MATH& 151.

MATH& 163
Calculus III (5)

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. Prerequisite: MATH& 152 or equivalent.

MATH 212
Elementary Differential Equations (5)

Linear ordinary differential equations with emphasis on supporting concepts of differential operators, Wronskians, characteristic polynomials, homogeneous and nonhomogeneous cases, variation of parameters, undetermined coefficients. Solution of IVP by Laplace transforms and power series method. Prerequisite: MATH& 163.

MATH 228
Discrete Mathematics (5) (M)

This class introduces the basic concepts of mathematics that are used in computer science. Topics covered include logic, mathematical induction, combinatorics, set theory, relations and functions and descriptive statistics. Prerequisite: MATH& 141 or equivalent.

MATH 264
Calculus IV (3)

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. Prerequisite: MATH& 163 or its equivalent.

MEDIA STUDIES

M ST 125
Introduction to Sports Announcing (1)
Learn about the history of Sports Broadcasting. Specific duties of announcers as well as technical knowledge, current trends, career paths, legal and ethical issues of Sports Broadcasting will be covered during the quarter.

M ST 126
Sports Announcing for Football (1) (C)
Learn and apply the basic skills and knowledge required of today's football announcers. This course will emphasize practical tips, ideas and theories that will help you on your way to becoming a quality football announcer.

M ST 127
Sports Announcing for Basketball (1)
Learn and apply the basic skills and knowledge required of today's basketball announcers. This course will emphasize practical tips, ideas and theories that will help you on your way to becoming a quality basketball announcer.

M ST 128
Sports Announcing for Baseball (1)
Learn and apply the basic skills and knowledge required of today's baseball announcers. This course will emphasize practical tips, ideas and theories that will help you on your way to becoming a quality baseball announcer.

M ST 158
Studio and Outdoor Lighting for Television and Film (2)
Discover the basic principles and techniques of lighting television and film sets in both indoor and outdoor situations.

M ST 159
Stagecraft for Television and Film (2)
Designed specifically for television and film majors, this class introduces students to the basic tools, materials, equipment and techniques used in the design and building of television and film sets.

M ST 190
Cooperative Work Experience (1-12)
See description under COOP 190 for additional information.

M ST 220
Introduction to Broadcast News and Production (4)
Learn basic media news writing, produce and broadcast news and feature stories on both radio and television. Some media production techniques will be covered during the quarter.

M ST 225
Introduction to Telecommunications (5)
The field of telecommunications is constantly changing and affecting the way we live our lives. Learn about the history, social impact, moral, ethical issues and philosophies of telecommunications in our society.

M ST 230
Introduction to Radio Broadcasting (C) (5)
As an introduction to radio broadcasting you will learn about programming philosophies, announcing skills, production techniques, copy writing and the FCC rules and regulations that apply to the industry.

M ST 231
Advanced Radio Broadcasting (3)
Learn strategies to research and prepare material for broadcast. The use of promotions and contests to increase station ratings also will be covered.

M ST 260
Introduction to TV and Video Production for the Electronic Media (5)
Learn studio and control room operations, field and studio camera techniques, basic script writing and video editing. At the end of the quarter students will be able to write, produce and edit short videos.

M ST 261
Advanced Television and Video Production for the Electronic Media (5)
Improve editing skills while producing documentary and music videos. Advanced camera, editing, studio and field production techniques will be covered. Students will also take part in producing live college basketball games.

M ST 262
Television Production (5)
Students will write, direct, produce and edit video packages and participate as crew members in producing classmate's video projects.

M ST 271
Radio Broadcasting Internship (1)
Practice and perfect your announcing skills on the campus radio station KCED FM. Prerequisite: M ST 230, 231 or instructor permission.

M ST 272
Radio Broadcasting Internship (2)
Practice and perfect your announcing skills on the campus radio station KCED FM. Prerequisite: M ST 230, 231 or instructor permission.

M ST 273
Radio Broadcasting Internship (3)
Practice and perfect your announcing skills on the campus radio station KCED FM. Prerequisite: M ST 230, 231 or instructor permission.

M ST 274
Radio Broadcasting Internship (4)
Practice and perfect your announcing skills on the campus radio station KCED FM. Prerequisite: M ST 230, 231 or permission of the instructor.

M ST 281
TV Broadcasting Internship (1)
Designed for students who wish to produce independent video projects outside of the classroom environment. Permission of instructor required. Prerequisite: M ST 260, 261, 262.

MEDICAL ASSISTANT

HLSV 140
Medical Assisting Introduction (5) (PT)
An introduction to the profession of medical assisting in the ambulatory health care setting. Designed to explore the medical assistant as a valuable member of the health care team. Prerequisite: BTEC 260.

HLSV 141
MA Clinical Procedures I (10) (PT)
Overview of physical examinations, procedures, and testing that a medical assistant would assist a health care provider with in an ambulatory care setting. Prerequisites: BTEC 260, 270, BIOL& 170, HLSV 140.

HLSV 142
Medication Administration (6) (PT)
An overview of pharmacology and medication administration as it applies to the medical assistant's responsibilities in ambulatory care. Prerequisites: HLSV 140, 141.

HLSV 143
MA Clinical Procedures IV (6) (PT)
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. Prerequisites: HLSV 140, 141, 142.

HLSV 144
MA Externship Seminar (1) (PT)
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. Prerequisites: HLSV 140, 141, 142, 143.

HLSV 145
MA Clinical Externship (6) (PT)
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. Prerequisites: HLSV 140, 141, 142, 143, 144.

HLSV 146

MA Laboratory Procedures (5) (PT)

Overview of laboratory procedures and regulations for the ambulatory health care setting, including phlebotomy training. Prerequisites: HLSV 140, HLSV 141

MUSIC

MUSC 100

Music Reading (2)

Designed for the student that has not previously had exposure to reading music. The skills acquired can be used to perform, create music, or enter the field. Practice rooms with pianos are available at the college.

MUSC& 105

Music Appreciation (5) (H)

Explores music's history from the early beginnings of music into the twenty-first century. Topics include: elements of music, appreciation process, musical styles, music history, sound, musical instruments, and listening techniques. No prior music knowledge is required.

MUSC 108

Piano I (1)

Introductory piano. Emphasizing basic keyboard skills, music reading, and conceptual understanding pertinent to early level study. Includes transposition, harmonization, sight reading, improvisation, and basic keyboard repertoire. Pre/corequisite: MUSC& 131.

MUSC 109, 110

Piano II-III (1)

Continued piano study for the non-keyboard music major. Emphasizes arpeggios, inversions, seventh chords, modes, pedaling and performance of elementary-level repertoire. Prerequisite: MUSC 108 with a minimum grade of 2.5 or instructor permission.

MUSC 115, 116, 117

Applied Music I-III (1)

Study of specific instrument literature and techniques applied to performance. Required of all music majors. By audition and permission of instructor only.

MUSC& 121

Ear Training I (2) (H)

An aural study of musical scales and intervals, designed for music majors and minors. Emphasis on dictation, sight singing, functional keyboard skills. Required of all music majors. (Music majors are required to register for MUSC& 131 with MUSC& 121.) Prerequisite: music reading skill.

MUSC& 122

Ear Training II (2)

An aural study of musical scales and intervals, designed for music majors and minors. Emphasis on dictation, sight singing, functional keyboard skill. Required of all music majors. The student must simultaneously register for MUSC& 132. Prerequisite: MUSC& 121 or permission of instructor.

MUSC& 123

Ear Training III (2)

An aural study of musical scales and intervals, designed for music majors and minors. Emphasis on dictation, sight singing, functional keyboard skills. Required of all music majors. Students must simultaneously register for MUSC& 133. Prerequisite: MUSC& 122 or permission of instructor.

MUSC 130

History of Western Music (5) (H)

Introduction to musical elements, musical form, and stylistic periods in western music.

MUSC& 131

Music Theory I (3) (H)

A technical study of music, designed for music majors and minors. Emphasis on part-writing, harmonization of melody and harmonic analysis. Required of all music majors. Prerequisite: Ability to read music Corequisite: MUSC& 121.

MUSC& 132

Music Theory II (3)

A technical study of music, designed for music majors and minors. Emphasis on part-writing, harmonization of melody and harmonic analysis. Required of all music majors. Prerequisite: MUSC& 131 or permission of instructor. Corequisite: MUSC& 122.

MUSC& 133

Music Theory III (3)

A technical study of music, designed for music majors and minors. Emphasis on part-writing, harmonization of melody and harmonic analysis. Required of all music majors. Prerequisite: MUSC& 132 or permission of the instructor. Corequisite: MUSC& 123.

MUSC 139

Music of the World (5) (H) (D)

A music survey of diversity found in music around the world. Examines music as accompaniment to ceremony and ritual, aid to work and routine, and an expression of universal unchanging human emotions. Prior musical experience is not necessary. Prerequisite: Proficiency in reading, grammar skills.

MUSC 140

History of American Popular Music (5) (H) (D)

Exposure to styles of American popular music from the 1890s to the present. The development of four American styles: Blues, Ragtime, Dance band and Jazz showing the evolution of American popular music. Prior musical training is not required. Prerequisite: Proficiency in reading, grammar skills.

MUSC 144, 145, 146, 147, 148, 149

Choir I-VI (2)

A vocal group consisting of the part distribution: soprano, alto, tenor, and bass. Will perform both sacred and secular music literature. Participation in one evening concert per quarter is mandatory. Previous choral experience not necessary. Prerequisite: by audition only.

MUSC 215, 216, 217

Applied Music IV-VI (1)

Study of specific instrument literature and techniques applied to performance. Required of all music majors. By audition and permission of instructor only.

MUSC& 221

Ear Training IV (2)

An aural study of musical scales and intervals, designed for music majors and minors. Emphasis on dictation, sight singing, functional keyboard skills. Required of all music majors. Prerequisite: MUSC& 123 or permission of instructor. Corequisite: MUSC& 231.

MUSC& 222

Ear Training V (2)

An aural study of musical scales and intervals, designed for music majors and minors. Emphasis on dictation, sight singing, functional keyboard skills. Required of all music majors. Prerequisite: MUSC& 221 or permission of instructor. Corequisite: MUSC& 232.

MUSC& 223

Ear Training VI (2)

An aural study of melody, harmony and musical form, designed for music majors and minors. Emphasis on dictation and sight singing. Required of all music majors. Prerequisite: MUSC& 222 or permission of instructor. Corequisite: MUSC& 233.

MUSC& 231

Music Theory IV (3)

An advanced technical study of western music. Emphasis on modulation, advanced harmonic analysis including secondary dominants, diminished seventh chords, augmented sixth chords, and Neapolitan sixth chords. Prerequisite: MUSC& 133 or permission of instructor. Corequisite: MUSC& 221.

MUSC& 232
Music Theory V (3)
An advanced study of musical harmony and form. Study of chords with extensions. Emphasis placed on analysis of music of the romantic period. Music Majors must also register simultaneously for the course, MUSC& 222 (Ear-Training V). Prerequisite: MUSC& 231 or permission of instructor; corequisite: MUSC& 222.

MUSC& 233
Music Theory VI (3)
A technical study of music of the twentieth century. Emphasis is placed on analytical skill for music of this century both tonal and atonal. Music majors must also register simultaneously for the course, MUSC& 223. Prerequisite: MUSC& 232 or permission of instructor; corequisite: MUSC& 223.

MUSC 234, 235, 236, 237, 238, 239
Jazz Band I-VI (2)
Jazz ensemble consisting of the following instrumentation: saxophone, trumpet, trombone, piano, bass, guitar and percussion. Perform both on and off campus. Participation in one evening concert is mandatory. Auditions held on first day of class. Prerequisite: by audition only.

MUSC 244, 245, 246, 247, 248, 249
Performance Ensemble I-VI (1)
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 (5) (H)
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 (5)
The student will continue to study the audition process, the effect of musical choreography, the historical setting of work chosen, musical score and dialogue. Prerequisite: by audition only.

MUSC 254, 255, 256, 257, 258, 259
Vocal Ensemble I-VI (2)
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 264
Music History I (5) (D)
Traces the development of musical composition from antiquity and the early Christian era, through the Baroque era. Music listening is a strong component of the course.

MUSC 265
Music History II (5)
Traces the development of musical composition from the pre-classical period through the Romantic era. Students are introduced to a wide variety of musical styles, chronologically and geographically.

MUSC 266
Music History III (5)
Studies the development of music from the early twentieth century through contemporary music of the twenty first century. Music listening will be a strong component of the course.

MUSC 276
Music Technology (5)
Detailed study of Finale and Pro Tools used by music institutions of higher education and industry. Required of all music majors. Corequisite: MUSC& 121 or 131.

MUSC 281, 282, 283, 284, 285, 286
Instrumental Improvisation I-VI (2)
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.

NURSING

NURS 101
Basic Nursing Care Concepts (12) (PT)
Program themes of homeostasis, the role of the nurse, and continuum of care are applied at on-campus theory and skills labs and off-campus clinical experiences at assisted living and long-term care facilities. Prerequisite: admission to the Centralia College Nursing Program.

NURS 102
Common Alterations I (12) (PT)
Progressive competencies reflecting program themes are applied to nutrition; cardiac, respiratory, and endocrine systems; and medication and fluid administration. On-campus theory, skills labs and off-campus clinical experiences are provided. Prerequisite: NURS 101 or equivalent.

NURS 103
Common Alterations II (12) (PT)
Progressive competencies reflecting program themes are applied to surgical, neurologic, musculoskeletal, renal, and gastrointestinal nursing care. On-campus theory and skills labs and off-campus acute care clinical experiences are provided. Prerequisite: NURS 101, 102 or equivalent.

NURS 108
ECG for Healthcare Professional (2) (PT)
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. Corequisite: RN, LPN, or nursing student or instructor permission.

NURS 190
Cooperative Work Experience (1-5) (PT)
See description under COOP 190 for additional information.

NURS 201
Mental Health and Lifespan (10) (PT)
Progressive competencies reflecting program themes are applied to the care of clients with mental health alterations, complications of child-bearing and high-risk newborns and children. Community-based and in-patient clinical experiences are provided. Corequisite: NURS 101, 102, 103 or equivalent.

NURS 202
Complex Alterations (12) (PT)
Progressive competencies reflecting program themes are applied to the care of clients with complex alterations in health. Women's Health and Pediatric and Adult acute care clinical opportunities are provided at regional facilities. NURS 201 and 220 or equivalent.

NURS 203
Complex Management (8) (PT)
Progressive competencies reflecting program themes are applied to the care of clients with complex alterations in health. Community-based and acute care inpatient clinical opportunities are provided at regional facilities. Prerequisite: NURS 201 and 202 or equivalent.

NURS 210
BLS for Healthcare Providers (1) (PT)
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. Corequisite: admission to the nursing program or permission of the instructor.

NURS 220
Management and Leadership (2) (PT)
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. Prerequisite: NURS 101, 102 and 103 or equivalent; corequisite: NURS 201.

NURS 222

Transition to Practice (4) (PT)

Preceptor-guided experiences in a variety of community health care organizations are provided. Community-based and personal professional development projects are assigned. Prerequisite: NURS 201 and 202 or equivalent; corequisite: NURS 203.

NURSING ASSISTANT

HLSV 121

Introduction to Healthcare (2) (PT)

The complexity of health care, health care provider certifications and team concepts will be introduced. Professionalism, safe patient handling, physical/emotional changes with aging, and specific infection control issues for all care givers will be explored.

HLSV 130

Basic Fundamentals of Caregiving (2) (PT)

Focus is on the requirements for basic caregiving. Topics include client rights, communication, problem solving skills, and protecting the health and safety of residents.

HLSV 131

Nursing Assistant Certification (9) (PT)

Awareness of the role of the nursing assistant in nursing care and skill development. Topics: maintain a safe environment, provide restorative care, communication, and practice basic concepts of care. Background check is required for clinical.

HLSV 132

Nurse Delegation (2) (PT)

Class is for Washington State caregivers who work in or will work in specific community-based long-term care settings. Course covers: medication administration, diabetes care, roles and laws pertaining to delegation and hands-on skills practice. Prerequisite: NAC Certification or co-enrollment in NAC.

HLSV 133

Mental Health (1) (PT)

Learn how a caregiver, in a generalized residential setting, can work effectively with a person who has a major mental disorder. Prerequisite: NAC certification or currently enrolled in NAC course.

HLSV 134

Dementia (1) (PT)

Learn how a caregiver, in a generalized residential setting, can work effectively with a person who has memory impairments. Prerequisite: NAC certification or currently enrolled in NAC course.

HLSV 160

Emergency Medical Technician (12) (PT)

Techniques of emergency medical care presently considered as the responsibilities of a technician in his/her role. Designed to assure a uniformly high level of knowledge and skills among those involved in emergency care. Prerequisite: healthcare provider CPR, instructor permission.

NUTRITION

NUTR& 101

Nutrition (5) (S)

An exploration of the six basic nutrients with diet planning principles, human metabolism, weight control and digestion also being studied. Some chemistry or biology background is helpful. Prerequisite: prior knowledge of chemistry or biology would be helpful.

NUTR 203

Issues in Nutrition (5) (S)

Examines the interrelationship between diet and individual lifestyles with regard to health risks during all stages of life.

OCEANOGRAPHY

OCEA& 101

Introduction to Oceanography w/lab (5) (S)

Explore the physical, geological, chemical and biological characteristics of the ocean: waves and tides, ocean and atmosphere circulation, coastal features and beach processes, ocean basins, sediments, ocean chemistry and physics, plate tectonics, and marine life. Corequisite: OCEA& 101L is integrated.

PHILOSOPHY

PHIL& 101

Introduction to Philosophy (5) (H)

Investigate the assumptions philosophers have made about reality, knowledge, truth, God, morality, social construction, freedom, and paternalism.

PHIL 103

Introduction to Ethics (5) (H)

Focus on choices made in concrete circumstances. Study traditional ethical theories and present-day moral dilemmas.

PHYSICAL EDUCATION

P E 101

Introduction to Physical Education (3)

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.

P E 103

Basketball (1)

This course will cover the basic skills and techniques of basketball. Includes team defense and team offense.

P E 104

Bowling (1)

This course is for beginners and novices. Four-step approach, how to choose equipment and scoring emphasized. Off-campus.

P E 107

Cycling Basics (2) (HF)

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.

P E 109

Golf (1)

Instructions for beginners, fundamentals, rules, and etiquette. Off campus but first class will meet in HWC 103.

P E 110

Physical Fitness (1) (HF)

Study all five areas of fitness: aerobic endurance, muscle strength, muscle endurance, flexibility, and body composition. Students work at their own fitness levels.

P E 114

Swim Fitness (1) (HF)

Emphasizes cardio-respiratory endurance, muscle fitness and body composition improvement through lap swimming.

P E 115

Volleyball (1)

This course will cover the fundamental skills and techniques of beginning volleyball. Includes basic rules, scoring and strategy.

P E 120

Lifestyle Management and Exercise (2) (HF)

Designed to assist individual in making life style changes associated with health and fitness.

P E 123

Basic Weight Training/Conditioning (1) (HF)

Designed to condition the musculature of the body using machine and free weights.

P E 125

Free Weights (1) (HF)

Designed to develop muscle fitness through lifting free weights, Olympic lifts, plyometrics and power lifting. Students need prior weight training experience.

P E 130

Basketball Applications (3)

A course designed to provide experience in advanced strategies, fundamental skills, and team concepts of basketball. Prerequisite: P E 103, P E 167 or instructor's permission.

P E 131

Baseball Application I (3)

Learn the techniques and strategies in a practice or game situation with an emphasis on fundamentals, conditioning, team concept and sportsmanship.

P E 139
Volleyball Applications (3)
A course designed to provide experiences in advanced strategies, skills, and team concepts of volleyball. Prerequisite: P E 115 or instructor permission.

P E 140
Boot Camp Basics (1) (HF)
A high-impact exercise class designed to improve muscle strength, endurance, flexibility and aerobic capacity.

P E 142
Cardio Combo (1) (HF)
A combination of cardio experiences to improve cardiovascular endurance, body composition, muscle fitness and flexibility. A variety of movements will be explored, including step aerobics, kick boxing, Drums Alive, Zumba, and circuits and weights.

P E 150
Yoga (1) (HF)
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.

P E 151
Aerobic Fitness/Walking (1) (HF)
A fitness program emphasizing aerobic activities only. Designed to develop cardiovascular endurance, flexibility and body composition.

P E 152
Pilates/Core (1) (HF)
An exercise class designed to teach breathing with movement, body mechanics, balance, coordination, spatial awareness, strength and flexibility.

P E 153
Tai Chi Basics (1) (HF)
Develop balance, lower-body strength and relaxation in motion with Wu Style Tai Chi. Students will work at their own level of fitness.

P E 158
Beginning Tae Kwon Do (1) (HF)
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)
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.

P E 160
Advanced Tae Kwon Do (2)
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.

P E 162
Softball Fundamentals (1)
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.

P E 163
Step Aerobics (1) (HF)
Combines simple, low impact step movements with music to improve cardiovascular endurance, flexibility and body composition.

P E 164
Softball Theory (3)
An analysis of the mental approach to the game of softball. An emphasis will be placed on the theories and strategies of fastpitch.

P E 165
Softball Applications I (3)
Learn how to apply the fundamentals of softball in game like situations.

P E 166
Baseball Fundamentals (1)
On-the-field practice in development of the basic fundamentals of baseball. Emphasis on basic skills and conditioning.

P E 167
Basketball Fundamentals (1)
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.

P E 168
Lifetime Fitness (2) (HF)
Cardiovascular endurance, muscle fitness, weight management and flexibility will be studied. One lecture hour and two hours of activity per week.

P E 169
Cardio Kick Boxing (1) (HF)
Designed to offer high-impact aerobic conditioning. Each week new basic body moves and techniques introduced to improve the individual's level of fitness.

P E 172
Theory of Baseball (3)
A practical course with emphasis on the coaching of offensive and defensive strategies, theory, psychology and basic rules. First class meets in Gym.

P E 203
Advanced Basketball (1)
This course will review basic skills and techniques of basketball. Included in the course also will be advanced skills and techniques along with game strategies. Included team offense and team defense. Prerequisite: P E 103 or instructor permission.

P E 204
Advanced Bowling (1)
Advanced bowling techniques. Prerequisite: P E 104 or permission of instructor.

P E 209
Advanced Golf (1)
The course is designed to help the individual develop more advanced skills and strategies of golf. Prerequisite: P E 109 or instructor permission. First class meets in Gym.

P E 210
Advanced Physical Fitness (1) (HF)
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. Prerequisite: PE 110 or instructor permission.

P E 215
Advanced Volleyball (1)
Advanced techniques and skills included in competitive volleyball. Advanced offensive and defensive tactics and strategy will be covered. Prerequisite: P E 115 or permission of instructor.

P E 223
Advanced Weight Training (1) (HF)
Advanced weight training methods and programs including Olympic lifting and power lifting programs. Prerequisite: P E 123

P E 229
Physical Fitness Concepts (3) (HF)
A combination of theory and practice in the development of physical fitness. Two lecture hours and two activity hours per week.

P E 230
Advanced Basketball Applications (3)
A course designed to provide experiences in advanced strategies, advanced fundamental skills, and advanced team concepts of basketball. Prerequisite: P E 130 or permission of instructor.

P E 231
Baseball Application II (3)
Learn advanced techniques and strategies in a practice or game situation with an advanced emphasis on fundamentals, conditioning, team concept and sportsmanship. Prerequisite: PE 131 or permission of instructor.

P E 239
Advanced Volleyball Applications (3)
Provides experiences in advanced techniques and tactics needed to execute advanced team concepts of volleyball.

P E 251
Advanced Aerobic Fitness/Walking (1) (HF)
Advanced aerobic conditioning class for the well-conditioned aerobic athlete. Prerequisite: PE 151.

P E 262
Advanced Softball Fundamentals (1)
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.

P E 263
Advanced Step Aerobics (1) (HF)
Combines simple, low impact step movements with music to improve cardiovascular endurance, flexibility, and body composition. Prerequisite: P E 163.

P E 264
Advanced Softball Theory (3)
An advanced analysis of the mental approach to the game of softball. An emphasis will be placed on the theories and strategies of fastpitch. Prerequisite: P E 164

P E 265
Softball Applications II (3)
Learn how to apply the advanced techniques of softball in game-like situations. Prerequisite: PE 165 or permission of instructor.

P E 266
Advanced Baseball Fundamentals (1)
On the field practice in development of the advanced fundamentals of baseball. Emphasis on advanced skills, strategies, and techniques. Prerequisite: P E 166 or permission of instructor.

P E 267
Advanced Basketball Fundamentals (1)
More advanced skills practiced. Prerequisite: P E 167 or instructor permission.

P E 269
Advanced Cardio Kick Boxing (1) (HF)
Designed to offer high-impact aerobic conditioning with the addition of hand weights. Each week more involved forms of body moves and techniques introduced to improve the individual's level of cardiovascular fitness. Prerequisite: P E 169.

P E 271
PE Practicum I (1)
Physical Education Majors will observe K-6 Physical Education teachers. Exercise Science Majors will observe a commercial Fitness Center. Both majors will attend seminars to discuss their findings. Prerequisite: EDUC 201 or concurrent enrollment of instructor permission.

P E 272
Physical Education Practicum II (1)
Physical Education Majors will observe Middle School Physical Education teachers. Exercise Science Majors will observe a medical setting. Both majors will attend seminars to discuss their findings. P E 271 or instructor permission.

P E 273
Physical Education Practicum III (1)
Physical Education Majors will observe Physical Education teachers in the high school setting. Exercise Science Majors will observe a community recreation program. Both majors will attend seminars to discuss their findings. Prerequisite: P E 272 or instructor permission.

PHYSICS

PHYS& 110
Physics: Non-Science Majors w/lab (5) (S) (formerly PHYS& 100)
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.

PHYS& 114
General Physics I w/lab (5) (S)
Fundamentals of classical mechanics. The first of a three quarter sequence for science majors not requiring calculus based physics. Classical mechanics including statics and dynamics of particles, rigid bodies, and fluids. Prerequisite: two years HS algebra and trigonometry or concurrent enrollment in MATH 110.

PHYS& 115
General Physics II w/lab (5) (S)
Fluids, electrostatics, simple circuits, and the fundamental laws of thermodynamics. A continuation of PHYS& 114. Prerequisite: PHYS& 114.

PHYS& 116
General Physics III w/Lab (5) (S)
Magnetism and A.C. circuits, optics, and modern physics. Includes Laws of Faraday, Lenz, and Ampere, geometrical and physical optics, special relativity, atomic and nuclear physics. A continuation of PHYS& 114 and PHYS& 115. Prerequisite: PHYS& 115.

PHYS& 221
Engineering Physics I (5) (S)
First in a three quarter calculus-based sequence for science and engineering majors stressing classical mechanics. Include dynamics of translational, rotation, and oscillatory systems of solids, particles and fluids. Prerequisite: MATH& 151 and corequisite: MATH& 152.

PHYS& 222
Engineering Physics II (5) (S)
Wave motion, thermodynamics, and electrostatics. Includes sound, heat transfer, law of thermodynamics, and electric fields. Prerequisite: PHYS& 221 and MATH& 152 and corequisite: MATH& 153.

PHYS& 223
Engineering Physics III (5) (S)
Optics modern physics, electricity and magnetism. Includes geometrical and physical optics, Maxwell's equations, AC/DC circuits and special relativity. Prerequisite: PHYS& 222 and MATH& 153.

POLITICAL SCIENCE

POLS& 101
Introduction to Political Science (5) (SS)
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 (5) (SS)
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 Governments (5) (SS) (D)
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 (5)
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.

PSYCHOLOGY

PSYC& 100
General Psychology (5) (SS)
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 (5) (SS)
Human development from conception to death. Basic concepts and principles of biological, cognitive, and psychosocial development are integrated for each age period. Typical developmental tasks as well as problems are emphasized. Prerequisite: PSYC& 100 or instructor permission.

PSYC 210
Introduction to Personality (5)
An introduction to the study of personality, including major theories, with a focus on basic principles of psychology and their application to personality development, personal growth and psychological adjustment. Prerequisite: PSYC& 100 or instructor permission.

PSYC& 220
Abnormal Psychology (5)
An introduction to the study of abnormal behavior, including behavioral problems, personality disorders and maladjustment, and the study of the causes, diagnoses, and treatment. Prerequisite: PSYC& 100 or instructor permission.

PSYC 250
Social Psychology (5)
The scientific study of how a person's thoughts, emotions and behaviors are influenced by other people. Includes an exploration of: propaganda, persuasion, social cognition, human aggression, prejudice, love, and interpersonal sensitivity. Prerequisite: PSYC& 100 or instructor permission.

READING

READ 096
Independent Study (1-5)
Individualized instruction for the student whose needs are not currently being met by the available course offerings. Specialized curriculum and instruction are developed to meet each students needs. Permission of instructor only.

READ 097
Specific Reading Skill Development (1-3)
This course is designed to provide students with opportunities to improve their reading specifically identified areas of need. Comprehension building, word attack skills, and content area reading are a few of the specific areas that can be targeted by this class.

READ 099
Improvement of Reading (1-5)
Students strengthen thinking, reading comprehension, and vocabulary skills in learning to read and study textbooks, writing summaries, note taking, and test taking. Completion of course satisfies the basic skill deficiency in reading. Prerequisite: ASSET placement (reading) 33-41

READ 100
Technical Reading (3)
Designed to teach discipline-specific reading strategies useful to students in both vocational and academic areas. It will also teach awareness of academic though processes and present skills to enhance that thinking process.

READ 110
Speed Reading (3)
Self-paced course for students wishing to increase reading rate and comprehension using proper eye movements, improved vocabulary, and correct reading methods based on reading material. Prerequisite: college level reading and vocabulary skills.

REAL ESTATE

R ES 100
Real Estate Fundamentals (6) (PT)
Real Estate Fundamentals is a pre-license course you must complete before taking the real estate salesperson exam in Washington State. The course topics include: real estate interest, ownership, property transfer, finance, valuation, government influences, and the law.

R ES 140
Real Estate Practices (3) (PT)
This class is a pre-license course that must be completed before taking the real estate broker licensing exam in Washington State. This course is a 30 hour online course that covers practical aspects of the real estate profession. Prerequisite: RES 100.

SCIENCE

SCIE 104
Introduction to Physical Science w/lab (5) (S)
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.

SCIE 115
Weather and Climate w/lab (5) (S)
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. Prerequisite: MATH 098 or equivalent.

SOCIOLOGY

SOC& 101
Introduction to Sociology (5) (SS)
Study of society and human interaction. Topics include social ranking, change, deviance, social control, the creation of thought and personality, groups, institutions, political and economic power, social movements, and how to gather valid sociological information.

SOC 125
Sociology of the Family (5) (SS)
Introduction to the study of the family as a social institution. An overview of social theories and methodological underpinnings will be included.

SOC 190
Cooperative Work Experience (1-12)
See description under COOP 190 for additional information.

SOC& 201
Social Problems (5) (SS)
Investigate problems within society and how we view certain social conditions as social problems. Topics include technology, environment, population, economy, class, race/ethnic relations, sexism, ageism, family problems, education, cities, deviance, crime, mental health, physical health.

SOC 225
Cultural and Ethnic Pluralism in Contemporary Society (5) (SS) (D)
Examine ethnicity, ethnic identity, and cultural characteristics of ethnic and social groups in North America and around the world. Understand the relationship between social organization and forms of social, economic, and political domination and subordination.

SPANISH

SPAN& 121, 122, 123
Spanish I-III (5) (H)
Learn the fundamental skills of listening comprehension, speaking, reading and writing. Develop an awareness of Spanish speaking countries and their cultures. Compact discs are used outside of class to promote oral proficiency.

SPAN& 221, 222, 223
Spanish IV-VI (5) (H)
Discuss Hispanic cultures in Spanish, develop oral and written skills, review and expand essential points of grammar, and build vocabulary. Prerequisite: SPAN& 123 or permission of instructor.

SPEECH

SPEE 101

Fundamentals of Public Speaking (3) (H)

A course focusing on development, preparation, and delivery skills for beginning public speakers. Attention given to anxiety reduction techniques in addition to the preparation and use of visual aids in informative and persuasive speeches.

SPEE 110

Principles of Speech Communication (5) (H)

Introduction to principles of human communication emphasizing interpersonal/intercultural relationships, group process, and problem-solving skills; designing, preparing, and delivering effective informative and persuasive speeches; reducing anxiety; and preparing and using visual aids.

SPEE 220

Theory and Practice of Public Speaking (5) (H)

Development, preparation, and delivery skills needed for a variety of public speaking events plus visual aids utilization. Ethics of public speaking are examined and applied. Study of classic speeches provides historical framework.

SPEE 250

Intercultural Communications (5) (H) (D)

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.

STUDENT DEVELOPMENT

SDEV 099

Study Skills (1-5)

Students learn essential skills needed for effective study. Course includes learning style assessment, time management, study reading, memory techniques, test-taking strategies, and research techniques.

SDEV 101

Centralia College 101 (1)

An orientation class emphasizing utilization of campus resources and offering multiple workshops on library research skills, note taking, test taking, stress management, reading skills and memory improvement.

SDEV 105

Career Planning (2) (PT)

Students identify their interests, skills and abilities and evaluate their personality styles, values and work environments as they relate to careers. Activities include interest inventory test, computer programs, job market research and informational interviewing. The format is lecture, discussion, group activities and individual projects.

SDEV 126

Career Workshops (1) (PT)

Nine workshops cover analyzing peoples' interests, values, aptitudes and personalities as they relate to career success. Includes career information, transfer information, resume writing, interviewing, placement and workforce trends.

SDEV 150

Student Success (3)

College success strategies; goal-setting, time management, memory improvement, textbook reading strategies, note-taking, test-taking, project management. Taught by lecture, group and individual work. Includes Saturday field trip for challenge course activities.

SDEV 155

College Success (5)

Major topics include setting academic, career and personal goals; effective communication and presentation skills; study, research and test-taking strategies; critical thinking; note taking and memory improvement. Includes Saturday field trip for challenge course activity.

SDEV 166

Stress Management for Test Anxiety (2)

Identify causes of stress and physical and emotional side-effects. Learn methods for reducing stress, including progressive relaxation, meditation, biofeedback, cognitive analysis, and nutrition and exercise strategies. Management of test and math anxiety is emphasized.

WELDING

WELD 126

Industrial Drafting (2) (PT)

Basic concepts in developing working drawings for use in industry. Emphasis is on the use of freehand sketching and drawing instruments to produce drawings of three-dimensional objects. Also included is basic dimensioning and pictorial drawing.

WELD 151

Welding Theory for Mechanics (1-3) (PT)

Introduction to principles of gas and arc welding and cutting processes. Includes information in welding equipment and material, various welding techniques and proper safety procedures. Corequisite: concurrent enrollment in WELD 152 or instructor permission.

WELD 152

Welding Procedures for Mechanics (1-5) (PT)

Practical application of welding and cutting techniques using oxyacetylene and electric arc welding equipment. Metal preparation, layout, and weldment testings included. Concurrent enrollment in WELD 151 required.

WELD 159

Oxyfuel and GTAW Theory (1-4) (PT)

Theory of oxyacetylene welding, brazing, cutting and gas tungsten arc welding theory. Topics: safety practices for equipment operation, handling and use of compressed gases, identification of filler rods, base metals, types of weld joints, and procedures. Concurrent enrollment in WELD 160 or permission of instructor required.

WELD 160

Oxyfuel and GTAW Lab (9) (PT)

Consists of oxyacetylene welding, brazing, cutting and gas tungsten arc welding lab exercises. Expand on theories taught in WELD 159. Welding demonstrations and practice are on butt, lap, tee, and corner joints in all positions. Prerequisite: WELD 159

WELD 161

Shielded Metal-Arc Welding (SMAW) Theory (4) (PT)

Theory related to shielded metal arc welding safety, joint design, electrode selection, welding machine setup and welding operations in all positions. Correct procedures for air-arc cutting and weld testing will also be covered.

WELD 162

Arc Welding Lab (9) (PT)

Shielded metal-arc welding safety, machine setup and welding procedures. Shielded metal-arc welding practices include welding butt, lap, tee and corner joints in all positions. Weld testing and air carbon arc cutting included. Prerequisite: WELD 161.

WELD 164

M.I.G. Welding Theory (4) (PT)

Theory related to gas metal-arc welding (GMAW) and flux cored arc welding (FCAW); process and shop safety; machine setup, operation and troubleshooting; welding procedures and techniques; filler electrode selection and AWS weld testing.

WELD 165

Gas Shielded Arc Welding Lab (6) (PT)

Welding lab consists of GMAW and FCAW gas shielded arc welding instruction, practices and procedures on butt, lap, tee, and corner joints in all positions on steel. Also includes GMAW with aluminum.

WELD 167

Metallurgy for Welders (4) (PT)

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.

WELD 180
Oxyacetylene and Gas Tungsten Arc Welding (5) (PT)
Safety, setup, brazing, cutting, and welding in all positions using oxyacetylene and gas tungsten arc welding equipment.

WELD 181
Shielded Metal Arc Welding (5) (PT)
Safety, setup, and welding in all positions using AC/DC arc welding equipment.

WELD 182
Gas Metal Arc Welding (5) (PT)
Safety, setup, and welding in all positions using gas metal arc welding equipment.

WELD 190
Cooperative Work Experience (1-12) (PT)
See description under COOP 190 for additional information.

WELD 265
Advanced Arc Welding Theory (4) (PT)
Outline practices and procedures to follow to prepare for Washington Association of Building Officials (WABO) certification test on plate and pipe. Included are layout procedures, cutting, fitting, inspection, physical testing, and troubleshooting of welding problems. Corequisite: WELD 266; prerequisite: WELD 161.

WELD 266
Advanced Arc Welding Lab (9) (PT)
Practical exercises enable students to prepare for the Washington Association of Building Officials (WABO) tests. Includes shielded metal arc welding of test plates and pipe in all positions. Concurrent enrollment in WELD 265, or permission of instructor is required. Prerequisite: WELD 160 and 161.

WELD 267
Advanced Gas Shielded Arc Welding Theory (4) (PT)
Procedures to prepare for the Washington Association of Building Officials tests in Gas Metal Arc. Flux Cored Arc, and Gas Tungsten Arc Welding. Equipment setup, base and filter metal selection, pipe layout and fitting procedures. Prerequisite: WELD 164 and 165 or permission of instructor.

WELD 268
Gas Shielded Arc Welding (9) (PT)
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. Prerequisite: WELD 164 or permission of instructor.

WELD 269
Advanced Fabrication and Welding Theory (4) (PT)
Fabrication and fitting tools, setup and procedures. Correct steps to follow when designing, cost estimating, and planning a large scale welding project. Blueprint interpretation and the completion of scale drawing will also be required. Prerequisite: WELD 267 or permission of instructor.

WELD 270
Advanced Fabrication and Welding Procedure Lab (6) (PT)
Fabrication and fitting tools, setup, and procedures. Butt and tee joint will be required in the flat position using various welding processes. Students will have the opportunity to work on individual projects. Prerequisite: WELD 268 or permission of instructor. Corequisite: WELD 269.

WELD 271
Blueprint Reading for Welders (4) (PT)
Fundamentals of drawing interpretation in the welding trade. Included are blueprint reading, welding symbols, fabrication techniques, identification of welds, and welding abbreviations.

WELD 285
Arc Welding Certification (5) (PT)
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). Prerequisite: prior welding experience required.

WELD 287
Welding Fabrication (5) (PT)
Fabrication and fitting tools, setup and procedures. Students have the opportunity to work on individual projects and/or cooperative work experience. Prerequisite: prior welding experience required.

Going from being a blue-collar worker to a college student can be over whelming but Staff was always there to help me. Centralia College gave me the basic knowledge I needed to qualify for this great job with world-class company. Just a couple of years ago I was an unemployed construction worker and now I'm graduating with honors and going to work for Intel. I could not have done it without the help of so many people. Centralia College is a great school.

– **Chris Richardson**

CENTRALIA COLLEGE

Directory

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Directory

District Twelve Board of Trustees

Stuart Halsan
Dr. Joe Dolezal
Jim Lowery
Joanne Schwartz
Doris Wood

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Centralia College

PRESIDENT'S OFFICE

President ..... Dr. James M. Walton
Executive Assistant to the President ..... Janet Reaume
Vice President of Human Resources and Legal Affairs ..... Julie Ledford
Executive Assistant to the Vice President ..... Candi Fetch
Director, College Relations ..... Don Frey

INSTRUCTION

Vice President, Instruction ..... John Martens
Executive Assistant to the Vice President ..... Cheryl Williams
Dean, Academic Transfer Programs ..... T.R. Gratz
Dean, Child and Family Studies ..... Cristi Heitschmidt
Dean, Library Services and eLearning ..... Sue Gallaway
Dean, Transitional Education ..... Dr. Brigitte Kidd
Dean, Workforce Education ..... Durelle Sullivan
Associate Dean, Centralia College East ..... Kelli Bloomstrom
Director, Pacific Northwest Center of Excellence for Clean Energy ..... Barbara Hins-Turner
Director, WorkFirst and Worker Retraining Programs ..... Bev Gestrine
Faculty Director, Nursing ..... Nola Ormrod
Faculty Director, Teacher Educational Consortium (Saint Martins) ..... David White

STUDENT SERVICES

Interim Vice President, Student Services ..... Lucretia Folks
Director, Athletics ..... Bob Peters
Director, Disability Services ..... Michael Hoel
Director, Enrollment Services ..... Qy-Ana Manning
Director, Financial Aid/Student Job Center ..... Tracy Dahl
Director, International Student Programs ..... Laju Nankani
Director, Student Life and Involvement Center ..... Shelley Bannish
Director, TRiO Programs ..... Lisa Taylor

ADMINISTRATIVE SERVICES

Vice President, Finance and Administration/Executive Director, Foundation ..... Steve Ward
Director, Central Services and Purchasing ..... Bonnie Myer
Director, Foundation Donor and Alumni Relations ..... Julie Johnson
Director, Custodial and Grounds ..... Sean Mayfield
Director, Fiscal Services ..... Marla Miller
Director, Institutional Budgets ..... Vicki Oakerman
Director, Maintenance and Construction Projects ..... Gil Elder
Director, Technology and Computer Services ..... Patrick Allison

BACHELOR OF APPLIED SCIENCE DEGREE PROGRAM

Executive Director ..... Larry McGee

GARRETT HEYNS EDUCATION CENTER

Faculty Director ..... Chuck Kelso

CEDAR CREEK CORRECTIONS CENTER

Program Director ..... Sarah Sytsma

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.

Judith Aguilar (1994), Associate Professor, Adult Basic Education/English as a Second Language. B.A., Universidad National de la Plata.

Patrick Allison (2001), Director, Information Technology. B.S., Park College, M.P.A., University of Alaska.

Ann Alves (2007), Associate Professor, Civil Engineering Technology. A.A., Centralia College.

Shelley Bannish (1987), Director of Student Life and Involvement. B.A., Central Washington University; Master of Arts in Community College Management, Antioch University, Ohio.

Tadd Belden (2007), Associate Professor, Criminal Justice. B.A. and M.P.A., Western Michigan University.

Kelli Bloomstrom (2010) Associate Dean, Centralia College East. B.A., Saint Martin's University; M.A., Central Washington University.

Cindy Broadbent (1996), Talent Search Program Specialist. B.A., The Evergreen State College, Communications/Liberal Arts.

Mark Brosz (1994), Associate Professor, Basic Math. A.S., Centralia College; B.A., University of Washington.

Monica Brummer (2012), Program Specialist, Pacific NorthwestCenter of Excellence for Clean Energy. B.S., Oregon State University.

Vann Cantin (1984), Assistant Professor, Computer Science. B.A., The Evergreen State College.

Christopher Carlson (2012), Assistant Professor, Mathematics. B.S., Ohio State University; M.Ed., George Washington University; M.S. and Ph.D., University of California, Riverside.

Eudora Carlson (1989), Associate Professor, Business Education. B.A., Western Washington University, Business Education.

Lisa Carlson (1999), Professor, General Biology/Botany. M.A., University of Virginia; Ph.D., University of Washington, Ecosystems Analysis.

Dale Carroll (2006), Assistant Professor/ Librarian. A.T.A./A.A., Centralia College; B.A., The Evergreen State College; M.L.I.S., University of Washington.

Caytee Cline (2012), Talent Search Specialist. A.A., Centralia College

Jacob Conrad (2011), Associate Professor, Diesel Technology. A.A.S., Centralia College; B.S., Montana State University–Northern.

Georganne Copeland (1989), Professor, Business Education. A.T.A., Centralia College; B.A., Western Washington University; M.Ed., University of Puget Sound, Education.

Ken Cotton (2007), Associate Professor, Welding. A.T.A., Centralia College.

Rulon Crawford (2007), Assistant Professor, Energy Technology. B.S. Eastern Oregon University; M.B.A.; Marylhurst University.

Tracy Dahl (1998), Director of Financial Aid/Student Job Center. B.A. and M.A., Saint Martin's University, Education/ESA Certificate.

James Daniels (2001), Assistant Professor, Computer Science. A.S., Centralia College.

Mike Driscoll (1984), Professor, Welding. A.S., Lane Community College; B.S., Oregon State University; M.S., Oregon State University, Education.0

Megan Eastman (2012) MERIT Program Coordinator. B.A., The Evergreen State College.

Gil Elder (1973), Director of Maintenance and Construction Projects. A.A.S., Centralia College.

Jacob Fay (2008), Associate Professor, Diesel Technology. A.T.A., Centralia College; B.S., Montana State University.

Wade Fisher (1991), Professor, Media Studies. A.S., Ft. Steilacoom; B.A., University of Washington; M.B.A., City University, Marketing.

Lucretia Folks (1991), Interim VP of Student Services. B.A., The Evergreen State College.

Linda Foss (1993), Associate Professor, English. B.A., University of Washington; M.F.A., Antioch University, Writing.

Don Frey (1991), Director of College Relations. B.A., University of Washington; M.Ed., City University.

Elizabeth Frey (2005), Associate Professor, Art. B.A., The Evergreen State College; M.F.A., University of Washington.

Roschelle Fritz (2012), Assistant Professor, Nursing. B.S., Walla Walla University; M.S., Walden University.

Sue Gallaway (2004), Dean of Library Services and eLearning, Librarian. M.L.I.S., University of Washington.

Beverley Gestrine (1975), Director, Workfirst and Worker Retraining. A.A., Linn-Benton Community College; B.S., M.Ed., Oregon State University, Counseling and Guidance.

Greg Gilbertson (1999), Associate Professor, Criminal Justice. B.A., University of Washington, History; M.S. Columbus State University, Justice Administration.

Peggy Goldberg (1997), Assistant Professor/Counselor, Director of Running Start. B.A., The Evergreen State College; M.A., Leadership Institute of Seattle/City University, Applied Behavioral Science/ Counseling.

Karen Goodwin (2012), Assistant Professor, Chemistry. B.S. and M.S., California State University, Sacramento.

Mark Gorecki (2013) Assistant 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.

T.R. Gratz (1994), Dean of Instruction, Academic Transfer. B.A., Bluffton College; M.A., New York University, English Education.

Nancy Grzadzielewski (1998), T.E.E.N. Program Coordinator. B.A., Seattle University; M.A., Saint Martin's University.

Melissa Hahn (2013), Program Manager, Testing Center. B.A., University of Toronto; M.B.A., Capilano University

Cristi Heitschmidt (2007), Dean, Child and Family Studies. B.A., St. Olaf College; M.Ed., University of Minnesota.

Charles Hill (2012), Assistant Professor, Nursing. B.S., St. Louis University; M.Ed., University of Washington.

Ellen Hinderlie (2012), Assistant Professor, Nursing. B.S., Pacific Lutheran University.

Barbara Hins-Turner (2005), Director, Pacific Northwest Center of Excellence for Clean Energy. B.S., Marylhurst University; MBA, Marylhurst University.

Michael Hoel (2006), Director, Disability Services. RN, ATACP. B.S., Washington State University.

Rebecca Holderman (2012), International Student Program Specialist. A.A., Centralia College; B.A., Eastern Washington University; M.A., University of South Carolina.

Anthony Holm (2012), Upward Bound Specialist. B.A., Western Washington University.

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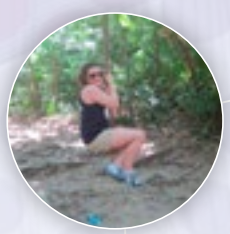

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