Civil Engineering: A career option with a promising future

Turn to page 24 for details.

Earth's curvature, from a 'near space' photo taken during college students' project

Turn to page 34 for details.
MISSION STATEMENT
Improving people’s lives through lifelong learning.

CENTRALIA COLLEGE GOALS

• Access
  Centralia College shall provide quality education at an affordable price to the widest range of students.

• Diversity
  Centralia College shall provide an inviting and supportive learning environment to those populations that have been traditionally underserved by higher education.

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

• Personal and Community Enrichment
  Centralia College shall provide diverse multicultural, musical, theatrical, artistic, athletic, instructional, and social experiences for lifelong learning and community enrichment.

• Stewardship
  Centralia College shall serve as a model of effective stewardship to the citizens of Washington.

Programs of Study

- Academic Transfer
  Anthropology
  Biology
  Botany
  Business Administration
  Chemistry
  Construction Management
  Dramatic Arts
  Early Childhood Education
  Earth Sciences
  Education
  English
  Environmental Science
  Fine Arts
  Foreign Language
  General Engineering
  Graphic Design
  History
  Humanities
  Journalism

- Workforce Education
  Accounting
  Accounting Clerk
  Administrative Assistant
  Business Office Technology

- Pre-College
  Mathematics
  Media Studies
  Natural Resource Management
  Physical Education
  Health and Recreation
  Physics
  Pre-Chiropractic
  Pre-Dental Hygiene
  Pre-Medicine
  Pre-Pharmacy
  Pre-Physical Therapy
  Pre-Veterinary Medicine
  Psychology
  Sociology
  Technology

- Pre-Professional
  Civil Engineering Technology
  Computer Science Technology
  Corrections Officer
  Criminal Justice
  Diesel Equipment Technology
  Early Childhood Education
  Electronics, Robotics, Automation
  Energy Technology
  Crime Scene Investigations
  Medical Administrative Assistant
  Medical Assistant
  Nursing (RN)
  Power Plant Operations
  Welding

Note: this list is subject to change and may not include all programs available. Please check with the counseling center or an advisor for complete information.

Fall Quarter 2013 Calendar

- Open registration begins: September 3
- Tuition and fees due: August 28
- First day of classes: September 23
- Online classes begin: See page 37
- Last day to add classes without faculty signature: September 24
- Last day to add classes with faculty signature: October 4
- All Faculty and Staff Day (no classes): October 11
- Veterans Day Holiday (no classes): November 11
- Advising Day (no day or night classes): November 13
- Thanksgiving Holiday (campus closed): November 28-29
- Last class day: December 6
- Final Examinations: December 9-11
- Winter Holiday (campus closed): December 25
- Quarter Break: December 12-January 1

Scan this with your smartphone and a QR barcode reader app and you will go to the Centralia College home page.
Get started at Centralia College!

1. Apply for admission online at: http://www.centralia.edu/admissions/. Be sure to enter your correct email address otherwise you may experience complications and delays.
2. Apply for financial aid online at http://www.centralia.edu/admissions/ finaid/ - do not delay! For assistance, contact Financial Aid at 360.736.9391, ext. 234.
3. Take your class placement test. You have three options: (1) Take your test on campus. For test times, fees, and instructions, contact the Testing Center at 360.736.9391, ext. 216. (2) If you have completed testing somewhere else, submit your test scores to Enrollment Services. Test scores may be no older than three years. (3) If you have taken and passed (2.0) CPE college-level writing and math, submit transcripts to Enrollment Services. The sooner you test, the earlier you can register.
4. Get advised and register. After testing, new and transfer students will be sent an invitation for the next Advising & Registration Fair. Returning students will be sent registration information via email. For more information, read “How to Register” or contact Enrollment Services at 360.736.9391, ext. 221 or admissions@centralia.edu.
5. Pay tuition and fees by the deadline at the Cashier’s Office or at www.centralia.edu/students/payment.html. A payment plan is available to help you spread your payments over a period of time. For more information, contact the Cashier’s Office at 360.736.9391, ext. 219.
7. Attend your first class and/or lab session otherwise you may lose your place.

WHO CAN ENROLL?
You may enroll if you are a high school graduate or at least 18 years of age. High school students may take classes with written approval from their high school principal and the Director of Enrollment Services.

RUNNING START
The Running Start program allows eligible high school juniors and seniors to enroll in college classes and earn high school and college credits. To learn more about Running Start, go to http://www.centralia.edu/academics/ runningstart/ -- or contact the Counseling Center at 360.736.9391, ext. 265.

VETERAN BENEFITS AND SERVICES
Centralia College is committed to assisting eligible students in applying for veterans' benefits and works closely with Veteran's Administration personnel. All veterans, reservists, or dependents of veterans seeking veterans’ assistance to attend the college should contact Enrollment Services at 360.736.9391, ext. 684.

DISABILITY ACCOMMODATIONS
If you need disability accommodations or have questions about available services, contact Disability Services at 360.736.9391, ext. 320 or TTY/TDD 360.807.6227.

How to Register

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 appointment. After meeting with your advisor, visit www.centralia.edu/students/kiosk.html 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 & 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 & Registration Fair, you must come to Enrollment Services to register for classes during open registration. Be aware, you will not receive priority registration for future quarters.

How to qualify to attend Advising & Registration Fair
In order to qualify to attend an Advising & 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.

Students who show up at the fair without an appointment will not be allowed to register. For more information, visit www.centralia.edu/admissions/register.html.

Returning Students
After you complete and submit your Returning Student Form, you will be sent an email that includes your registration time. Before registering, 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. 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 courses only should contact Enrollment Services at 360.736.9391 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. Simply download and complete the registration form at www.centralia.edu/admissions/forms.html. 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.

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

If you have questions or need help, please contact Enrollment Services at 360.736.9391, ext. 221 or admissions@centralia.edu.
Adding/Dropping/Withdrawing 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.

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 you register. Refunds are available for a limited time at the beginning of each quarter.

Instructor Initiated Withdrawal
In order to make space for other students waiting for a seat, an instructor may withdraw any student who does not attend the first two class hours or the first lab session. If you are unable to attend your first two class hours or lab session, you must communicate with your instructor beforehand to develop a plan to make-up any missed work.

If you do not show up or stop attending, do not assume that you will 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 you register. Refunds are available for a limited time at the beginning of each quarter.

WHO WILL HELP ME?
The following services are available to you:
1. For general college information, call 736.9391 or 753.3433 toll free from Olympia or 496.5022 in Morton.
2. Advising - Faculty advisors are available to assist you in planning your degree or certificate program.
3. Bookstore Hours – 7:30 a.m.-4:00 p.m., Monday - Friday.
   For details on the bookstore hours of operation, please call ext. 310 or visit www.centraliabookstore.com.

4. Career Information - Contact the Counseling Center, ext. 265.
5. Cashier - Contact the cashier at ext. 219.
6. Child Care - Contact the Child Development Center, ext. 462.
7. Counseling - The Counseling Center is open from 8:00 a.m. to 4:00 p.m., Monday through Friday. For advising, counseling, and career information, call ext. 265.
8. Financial Aid - Contact the Financial Aid Office, ext. 234, for application forms and information.
9. Center for Disability Services - Disability Services and equipment are available to make reasonable accommodation to any student with a documentable disabling condition. If you need accommodations to help you in a class or you have questions or concerns about degree requirements, call ext. 320 (TTY/ TDD 807.6227) for information and appointments. Available evenings by appointment only.
10. Instruction Office - The Instruction Office is open 8am to 5pm, Monday through Friday.
11. Job Placement - For on-campus or off-campus jobs, contact the Cooperative Education and Student Employment Office, ext. 208.
12. Library - The Library hours are 7:30 a.m. to 9:00 p.m., Monday and Tuesday, 7:30 a.m. to 6:00 p.m. Wednesday and Thursday, and 7:30 a.m. to 4:00 p.m. on Friday. Hours will vary when classes are not in session.
13. Phoenix Center and Testing Center – Provides students with a wide variety of educational programs and services. Courses in adult basic education; English as a Second Language; Intensive English Program; GED test preparation; pre-college level English; reading and mathematics; some college level mathematics; volunteer literacy tutoring; college-level peer tutoring; college placement testing; and GED testing. For current Testing Center hours check http://www.centralia.edu/students/testing.html.
14. Senior Citizen Waivers - If you are 60 years of age or older and a Washington state resident, you may qualify for tuition and fee reductions.
15. Tutors are available in the Phoenix Center, ext. 216, and through Student Support Services, ext. 360.
16. Veterans’ Benefits - Contact Enrollment Services for information, ext. 221.

NOTICE TO STUDENTS
Although we make every effort to ensure accuracy in this schedule of classes, the information in this publication is subject to change without notice.

Wow! College to add second bachelor’s degree – BASD (diesel) to be fall 2014 program offering

Last year Centralia College made the historic decision to offer its first bachelor’s degree. This year, college leadership is announcing plans to follow up with a Bachelor of Applied Science in Diesel, its second bachelor’s degree. It is expected that the newest bachelor’s program will open in fall 2014.

The college’s Bachelor of Applied Science in Management degree has experienced tremendous success. Every one of the 26 enrolled students has completed the first year and is enrolling for the second and final year.

“Having 100 percent retention, in any program, is rare,” Larry McGee, executive director of the college’s bachelor degree programs, said. “This is recognition of the importance this program is to the students, the quality of the instructors, and the support by college staff.”

The second bachelor’s degree will help fill a regional need for men and women who are highly skilled in diesel technology and who will have managerial skills, should they want to move into management positions.

The college is still early in planning stages but indications from industry leaders is that this program is needed. Currently, students looking for the closest bachelor-level education in diesel would need to move to northern Montana.

“We believe we can offer a quality program that provides an attractive alternative,” McGee said. The program would combine diesel technology, power generation, general education and management studies.

“We have proven that we can put together a program that serves students and meets the needs of students and the growing needs of a community,” McGee said. “The bachelor’s in diesel is a challenge but one that we can handle.”
Bachelor in Applied Science in Management shows solid growth

The Bachelor of Applied Science in Management (BASM) will roll out its second cohort this September. Thirty students have been identified, bringing the number of second- and third-year bachelor’s degree students to 56.

BASM is designed to accommodate working adults who are intent in furthering their careers by attaining a four-year college degree. BASM offers instruction in a hybrid format. Each course meets one time each week in the classroom; two-year or a three-year tracks are available. Instruction takes place in the evenings on Tuesdays and Thursdays (two-year track) and Tuesdays only (three-year track). The remaining instruction and discussion will be online. The college is maintaining a wait list for prospective students.

Call 360.736.9391, ext. 432, for information on either of the two bachelor’s degree programs.

http://bachelors.centralia.edu
10 Reasons to pick Centralia College

With family budgets now under the microscope, community colleges have become attractive alternatives to the more expensive four-year colleges and universities. There are many reasons that nearly half of American undergraduates choose to start their higher education in a community college. Here are the top 10:

1. **Affordability**
   Annual tuition and fees for a full-time student at Centralia is about $4,000, versus more than double that at a public four-year college or university and $25,143 at a private institution. In addition, students can live at home and save on housing and food. To help meet even these reduced expenses, community college students often find they qualify for financial aid while attending. And Centralia College offers employment for qualifying students.

2. **Convenience**
   Centralia College offers classes at times and locations that are convenient for students. Classes are in face-to-face settings and online and in the hybrid (blending of the two) format.

3. **Open access**
   Centralia College is an open enrollment college. Anyone with a high school diploma or equivalent can enroll. Some students even enroll while in high school to get a head start on college through the Running Start program. Starting at Centralia College gives students a chance to strengthen academic skills before transferring to a university. However, open access does not mean that students can take any course; students usually are given placement examinations and then advised or placed into developmental courses if they are not up to college-level work.

4. **Teaching quality**
   Centralia College classes are taught by faculty who care about teaching and student learning. The faculty members are fully committed to teaching and are not pulled away by research interests or the need to publish in order to get tenure. And Centralia College is accredited by the same agency that accredits major universities.

5. **Class size**
   Class sizes at Centralia College are much smaller than those found in the freshman and sophomore year at public universities. Here, classes can average about 25 students which provides more opportunities for students to interact with teachers and other students. Faculty members are accessible and want to help their students be successful.

6. **Support services**
   Centralia College offers a variety of services to help students, and the wise ones learn how valuable these services can be. Services that are often found at community colleges include counseling, advising, tutorials, health care, financial aid, and library services. There are computer labs on campus and online labs to make it easier for students to complete assignments.

7. **Choices**
   Centralia College offers WorkForce programs and academic transfer programs and now the Bachelor of Applied Science in Management degree. Looking at the broader picture, community colleges prepare most of the nation’s registered nurses, police officers, paramedics, firefighters, and advanced-skill technicians. It’s always important to check with a counselor to be sure that the courses count toward the degree that you are seeking and that those credits transfer to the university program you have identified.

8. **Diversity**
   Centralia College serves a diverse group of students in higher education. Students differ by age, ethnicity, degree of disability, socioeconomic status, and in many other ways. International students add yet another perspective. The opportunity to interact with and to learn from other students from many different backgrounds and with a variety of life experiences is another big advantage of starting at Centralia College.

9. **Access to modern technology**
   Because of its strong partnerships with business and industry, Centralia College uses cutting-edge equipment that is used by students in the classroom. Employers want job candidates who have experience with the equipment being used by industry, including the most modern computers and scientific instruments. Since community colleges offer classes only at the freshman and sophomore levels, the use of the best equipment isn’t reserved for juniors, seniors, and graduate students.

10. **Good company**
    In case a student feels discouraged by the prospect of attending a local community college rather than his or her first-choice university, here are some people who are glad that they started at Centralia College. Check out our Distinguished Alumnus Award list. The quality of our grads doesn’t surprise us.
FALL QUARTER CLASSES
The following classes are being offered at CCEast. For meeting times and course descriptions, refer to the class listing.

Academic Transfer:
- English Composition I (C) ...........................................(ENGL 101)
- Women's Literature (H)(D) .........................................(ENGL 255)
- Natural Hazards & Catastrophes (S) ..............................(GEOL 108)
- Physical Fitness (HF) ..................................................(PE 110, 210)
- Art Exploration: Mask Making ......................................(ART 297)
- Introduction to Chemistry (S) ........................................(CHEM& 121)
- Foreign Film Festival ...................................................(HUM 297)
- Business Law .............................................................(BUS& 201)
- General Psychology (SS) .............................................(PSYC& 100)
- Spanish I (H) ................................................................(SPAN& 121)

Workforce Education:
- Keyboarding for Computing .......................................(BTEC 100)
- Keyboarding for Business ...........................................(BTEC 101)
- Keyboard Skillbuilding I & II .......................................(BTEC 102, 203)
- Work Experience Seminar ........................................... (BTEC 191)
- Word I, II ....................................................................(BTEC 210, 219)
- Excel I & II ..................................................................(BTEC 214, 225)
- Medical Terminology ...................................................(BTEC 260)
- PowerPoint Module ....................................................(BTEC 222)
- Ten-Key Calculator .....................................................(BTEC 220)
- Filing .........................................................................(BTEC 233)
- Principles of Accounting III .........................................(ACCT& 203)
- Individual Income Taxes ............................................(ACCT 260)
- Payroll Accounting .....................................................(ACCT 270)
- Intro to Web Design ....................................................(CST 120)
- Technical Math ............................................................(MATH 100)
- Cooperative Work Experience ....................................(COOP 190)
- GIS Introduction ........................................................(GIS 101)
- GIS Spatial Data Design .............................................(GIS 102)

Community Business:
Community Business (SMGT) classes are not transcripted and are offered at a reduced rate. Skills gained from these classes may be applied to the business setting or for professional development.
- Computer Keyboarding .............................................(SMGT 157)
- Microsoft Excel — Brief .............................................(SMGT 120)
- Microsoft Word .........................................................(SMGT 197)
- Microsoft PowerPoint .................................................(SMGT 298)

Transitional Education:
- Spelling ......................................................................(ENGL 094)
- Vocabulary Development I, II ...................................(ENGL 095, 096)
- Grammar Review .........................................................(ENGL 098)
- Fundamentals of English ............................................(ENGL 099)
- Reading Improvement ............................................... (READ 099)
- Basic Math .................................................................(MATH 095)
- Pre-Algebra .................................................................(MATH 096)
- Algebra I & II .............................................................(MATH 098, 099)

Adult Basic Education:
Adult Basic Education courses prepare students for the GED and for college preparation courses.
- GED Prep/ABE Math, Writing and Reading

Community Education:
Adult special interest classes are designed for learning new skills and information in a non-credit, non-graded, relaxed setting. Tuition is offered at a reduced rate.
- Women's Literature
- Art Exploration: Making Faces, Making Masks
- Better Bones & Balance
- Zumba!
- Fitness for Health
- Computers for the Fearful I, II, III
- Lyceum Lecture Series
- Foreign Film Festival
- Composting & Vermiculture Workshop
Great News! Centralia College students to benefit from zero (meaning no) tuition increase

In what was hailed as an “historic event,” the State Board for Community and Technical Colleges officially froze tuition for resident and nonresident students attending Centralia College and other state two-year colleges this fall. It is the first time since 1989 that tuition will remain flat for students.

“This is an important step on the part of the state board and a move that will greatly benefit our students,” Dr. Jim Walton, Centralia College president said. “We appreciate the Legislature’s decision to freeze tuition, it does make a difference.”

Walton added that tuition has risen steadily over the years and each increase has created a barrier to some students.

Approved by the state Legislature in June, the 2013-2015 operating budget spared higher education from budget cuts, made additional investments, and directed colleges and universities to not increase tuition for state residents.

Nonresident tuition will remain flat as well since out-of-state students traditionally pay the same tuition increases as in-state students.

Tuition will remain $4,000 per year for resident students and $9,235 for nonresident students in the 2013-2014 academic year.

Up, the stage play, opens in fall quarter

Up, by Bridget Carpenter, is based on the life of a San Pedro, Calif., man who successfully survived a brief and thrilling “flight” on his helium balloon rigged lawn chair.

Set in the late 1990s, the play addresses his life post-flight as he dreams of his next excursion. Up asks the universal question: Are you happy with your life; your occupation? Are you willing to avoid the conventional way of doing things to achieve your dreams?

The man, Walter, is a stay-at-home husband, supposedly an inventor who cares more about his gadgets than his bank balance. He might be considered the typical dreamer still looking to make the dream come true. The pressure begins to show – as he hasn’t produced anything of note in 16 years – and that was his one-time helium balloon flight project.

The conflict is heightened by his wife’s unrest and the couple’s teenage son who hates high school but develops some skills that add challenges to the family.

Up takes place in Corbet Theatre Nov. 7-10 and 14-16; auditions will be held Oct. 1 and 2.

( Note: Up will be Centralia College’s 192nd production since 1925.)

Daytime Child Care program available

Child care will be available during fall quarter, which begins Monday, September 23, 2013. Slots for children, including infants, will be filled on a first-come, first-served basis.

The college’s Child Development Center accepts children ranging in age from one month to five years. The center accepts all children (until all slots are filled), including those whose parents are not college students.

During fall quarter the facility will be open Mondays through Fridays, from 7:30 a.m. until 5:30 p.m., during quarter break, and will be closed on holidays and weekends. There is a special rate for the children of enrolled Centralia College students.

There is no evening child care program.

Please call the Child Development Center to reserve your child’s place in the program or to get additional information. The phone number is 360.736.9391, ext. 462. Slots will not be reserved until the front office has received a copy of the paid Child Care Deposit receipt.
Looking for a great start to college? Here it is!

Centralia College 101 is an orientation class emphasizing the availability of campus resources and offers workshops on library research skills, note taking, test taking, stress management, reading skills, and memory improvement. Check out the class info in the Student Development section on page 32 of this schedule. This class has proven to make a huge difference in your success at Centralia College.

Centralia College to change to regular operating hours

Please note that Centralia College summer operating hours will continue until Tuesday, Sept. 3, the day following Labor Day. Centralia College and Centralia College East (Morton) are now open Monday through Thursday, from 7:30 a.m. until 5 p.m., and on Fridays, from 7:30 a.m. until 11:30 a.m. Regular hours of operation beginning Sept. 3 will be Mondays through Fridays, 8 a.m. to 5 p.m. The college will be closed on weekends and Monday Sept. 2 (in celebration of Labor Day).

Fall quarter begins Monday, Sept. 23. Open registration for those wanting to take advantage of educational opportunities begins Monday, Sept. 3
THE FOLLOWING LIST OF CLASSES OFFERED IS CORRECT ON THE DATE OF PUBLICATION.
FOR THE MOST CURRENT CLASS INFORMATION AND LIST OF CLASSES OFFERED, SEE UPDATED CLASS SCHEDULES.
ACCOUNTING

Practical Accounting I

- 3161 ACCT 110A4 (3) 8-8:50am MWF WAH 209 Carlson E
  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.

Prin of Accounting I

- 3166 ACCT& 201A4 (5) 8-9:30am MWF WAH 115 Rabe
- 3167 ACCT& 201B4 (5) 11-11:50am Daily WAH 103 Bruce
- 4129 ACCT& 201C5 (5) Flexible Rabe

This course emphasizes fundamental principles of double-entry accounting and the preparation of financial statements for sole proprietorships. Prerequisite: ACCT& 201.

Prin of Accounting III

- o3169 ACCT& 203S4 (5) 5:30-7:30pm MW MOR 108 Langrell
  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.

Individual Income Taxes

- 4131 ACCT 260A4 (5) 1-3:20pm TTh WAH 113 Rabe
- 4135 ACCT 270S4 (3) 5:30-6:50pm MW MOR 108 Langrell
  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.

Payroll Accounting

- 4135 ACCT 270S4 (3) 5:30-6:50pm MW MOR 108 Langrell

ADULT BASIC EDUCATION

Adult Basic Education Orientation

New ABE/ESL students need to attend an orientation session. Orientation appointments can be made at the front desk of the Phoenix Center in the Kirk Library Building, or by calling 360.736.9391 ext. 216.

Returning ABE/ESL students need to make a registration appointment with the ABE/ESL coordinator. Registration appointments can be made at the front desk of the Phoenix Center in the Kirk Library Building, or by calling 360.736.9391 ext. 216.

ABE orientation and registration appointments can also be made at Centralia College East in Morton 360.736.9391, ext. 380 or 360.496.5022

English as a Second Language I-V, Lab

Students will develop listening, speaking, reading, and writing skills in an integrated manner that fosters cognitive English language acquisition and participation in native English communication in English-speaking environments. The ESL program helps students become more active participants in the community and workplace. It offers them the opportunity to transition into the ABE program where they can pursue an academic track to either earn a GED or continue to improve their academic English in order to follow a career pathway.

Adult Basic Education Math Level II-IV

Courses focus on developing basic arithmetic skills in the content areas of whole numbers, fractions, decimals, ration, proportions, and percents. Students will build understanding of mathematical relationships by focusing on problem-solving skills, developing estimation and mental math strategies.

Adult Basic Education Math Level IV-VI

Courses integrate problem-solving and reasoning strategies with mathematical skills using problems encountered in everyday life. Students will build understanding of mathematical relationships by focusing on problem-solving skills, developing estimation and mental math strategies, and integrating algebra, geometry, and data analysis with arithmetic.

Adult Basic Education Writing Level II-IV

Courses introduce the parts of speech, building foundational skills in the areas of mechanics, usage, sentence structure, organization, and spelling. Students are introduced to the writing process and develop basic writing skills in the essay forms of narrative, descriptive, expository, persuasive, and explanatory. Students will also develop personal and workplace writing skills in correspondence, resumes, forms, invoices, messages and e-mail.

Adult Basic Education Writing Level IV-VI

Courses focus on developing English grammar skills in the areas of mechanics, usage, sentence structure, organization, and spelling. Students learn the writing process and develop rudimentary writing skills in the eight essay forms of narrative, descriptive, compare and contrast, cause and effect, persuasive, process, classification, and definition/example.
Adult Basic Education Reading Level II-IV
Courses focus on developing critical thinking building reading skills in comprehension, analysis, synthesis, and evaluation. Content will focus on short readings in fiction, information, business, health/safety, and consumer materials. Students will develop personal vocabulary through dictionary use.

Adult Basic Education Reading Level IV-VI
Courses focus on the development of reading comprehension and vocabulary skills while learning how to read and study college level textbooks, write summaries of what is read, learn when and how to highlight textbooks, how to take textbook notes, and find major ideas and supporting details.

ALLIED HEALTH CARE
Electronics Medical Records
- 3171 AHC 107A4 (3) 12-12:50pm MTWTh WAH 207 Copeland
  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. Lab fee $11.04.

Records Confidentiality - HIPAA
- 3173 AHC 160AP1(1) Online Copeland
  Overview of general confidentiality considerations and specific rules of the 1966 HIPAA law for healthcare/mental health professionals. Explains and illustrates the law, with extensive review of security/privacy of patient information and records. Lab fee $31.84.

American Sign Language
American Sign Language I
- 3193 ASL& 121A4 (5) 12-2:20pm TTh NSC 208 Crites
  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.

Anthropology
Survey of Anthropology (SS)(D)
- 3175 ANTH& 100A (5) 1-3:20pm MW NSC 208 van Alstyne
  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.

Cultural Anthropology (SS)(D)
- 3176 ANTH& 206A (5) 9-9:50am Daily NSC 208 van Alstyne
  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.

Cultural & Ethnic Pluralism in Contemporary Society (SS)(D)
- 3174 ANTH 225AP1(5) Online Medlin
  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.

ART
Art Appreciation (H)
- 3184 ART& 100A3 (5) 10-10:50am MWF WAH 109/116 Frey
  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.

Drawing (H)
- 3177 ART 102A4 (5) 1-3:50pm MW WAH 116/108Martindale
- 3178 ART 103A4 (5) 1-3:50pm MW WAH 116/108Martindale
- 3179 ART 104A4 (5) 1-3:50pm MW WAH 116/108Martindale
  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. Lab fee $8.96.

Computer Graphics
- 3180 ART 170A4 (5) 10-10:50am MWF WAH 214 Martindale
  An overview of computer programs used to create images for print and screen, still and moving. Gain basic skills in design and programs by creating digital art work in a series of assignments. Lab fee $50.

Black & White Photography (H)
- 3181 ART 170A4 (5) 1-3:50pm TTh WAH 146 Frey
  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. Lab fee $34.96.

Digital Photography (H)
- 3182 ART 174A3 (5) 12-2:50pm F WAH 214 Duda
  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. Lab fee $50.

Art History: Ancient (D)(H)
- 3183 ART 200A4 (5) 11-11:50am Daily WAH 109 Frey
  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 Exploration: Making Faces, Making Masks
- 4134 ART 297R (2) 12-2:50pm M MOR 101 Cantin
  Discover and explore works of art through slide lectures, seminars, and creative hands-on art activities. Our special focus will be faces, masks, and body ornaments as seen through the eyes of artists from around the world.

Astronomy
The Solar System & the Universe (S)
- 3194 ASTR 127AP1(5) Online Garcia
  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 HS algebra or MATH 098.
Biology

Survey of Biology (S)
- 3198 BIOL& 100A4 (S) 1-2:50pm TTh NSC 215 McGrath
- 3200 BIOL& 100LA (S) 3-4:50pm T NSC 303 McGrath
- 3199 BIOL& 100B3 (S) CANCELED
- 3201 BIOL& 100LB (S) CANCELED

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. Lab fee $18.46. Section LB lab MUST enroll with section B3 class.

Human Biology (S)
- 3202 BIOL& T70A4 (S) 10-10:50am Daily NSC 107 Priday

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.

Majors Ecology/Evolution (S)
- 3203 BIOL& 221A4 (S) 11-11:50am MTWTh NSC 111 Carlson L
- 3204 BIOL& 221LA (S) 2-3:50pm T NSC 307 Carlson L
- 3205 BIOL& 221LB (S) 2-3:50pm W NSC 307 Carlson L

Ecology, evolution, taxonomy and phylogeny, diversity of life forms. First course in a three-quarter series (BIOL& 221, 222, 223). Prerequisite: HS biology or BIOL& 100 and MATH 098 or equivalent. Lab fee $20.96.

Human A & P 1 (S) (formerly ZOOL 251)
- 3206 BIOL& 241A4 (S) 12-12:50pm MTWTh NSC 121 Norton
- 4111 BIOL& 241N3 (S) 6-6:50pm M NSC 111 Norton

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 and MATH 098 or equivalent. Lab fee $20.96.

Business Office Technology

Keyboarding for Computing
- 3213 BTEC 100C2 (2) 8-8:50am Daily WAH 207 Mack
- 3212 BTEC 100C4 (2) 10-10:50am Daily WAH 207 Copeland
- 3214 BTEC 100R (2) 12-2pm TTh MOR 112 Cantin

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. Lab fee $7.36.

Keyboarding for Business
- 3218 BTEC 101A (3) 8-8:50am Daily WAH 207 Mack
- 3216 BTEC 101B4 (3) 9-9:50am Daily WAH 207 Copeland
- 3217 BTEC 101C4 (3) 10-10:50am Daily WAH 207 Copeland
- 3219 BTEC 101R (3) 12-2pm TTh MOR 112 Cantin

For beginning students. Learn to keyboard to 25wpm by touch. Develop speed, accuracy and apply basic word processing techniques to letters, reports and tables. Lab fee $14.77.

Entrepreneurship: Starting a New Business
- 4132 BA 132AP1(S) Online Smejkal

Experience the challenge and reward of planning a new business. Topics include: development of a business plan, failure factors in small business, capital, accounting, financial statements, marketing, human resource management, legal/ regulatory issues and management principals.
### Business English
- **3226** BTEC 110A4 (5) 11-11:50am Daily WAH 209 Carlson E
- **3228** BTEC 110X2 (5) eCorrespondence Carlson E

Editing skills including grammar, punctuation, proofreading, and spelling for office correspondence. A basis for machine transcription, business communication, and office procedures.

### Machine Transcription I
- **3229** BTEC 115A4 (4) 9-9:50am Daily WAH 207 Copeland

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. Lab fee $7.36.

### Cooperative Work Experience
- **3233** BTEC 190A4(1-12) ARR ARR ARR Copeland

See description under Cooperative Work Experience heading.

### Work Experience Seminar
- □ **3235** BTEC 191RE (1) ARR Th MOR 112 Cantin
- □ **3234** BTEC 191API (1) Online Carlson E

Topics include: job search techniques, resumes, interview preparation, professional image, business etiquette, sexual harassment and diversity in the workplace.

### Keyboard Skillbuilding II
- **3238** BTEC 203A (3) 8-8:50am Daily WAH 207 Mack
- □ **3236** BTEC 203B3 (4) 9-9:50am Daily WAH 207 Copeland
- □ **3237** BTEC 203C4 (3) 10-10:50am Daily WAH 207 Copeland
- □ **3239** BTEC 203R (3) ARR TTh MOR 112 Copeland

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 35wpm. Lab fee $11.04.

### Word I
- □ **3240** BTEC 210A4 (5) 9-9:50am Daily WAH 209 Carlson E
- □ **3242** BTEC 210R (5) 12-3pm TTh MOR 112 Cantin
- □ **3241** BTEC 210BP1 (5) Online McClain

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. Lab fee $18.46.

### Excel I
- □ **3246** BTEC 214A3 (5) 1-1:50pm MTTh WAH 209 Carlson E
- □ **3248** BTEC 214R (5) 11:30am-1:30pm TTh MOR 112 Cantin
- □ **3245** BTEC 214CP1 (5) Online McClain

An introduction to Microsoft Excel. Students will learn basic Excel and integrate worksheets with Word. Prerequisite: word processing, Windows, keyboarding 35wpm or instructor permission. Lab fee $3.55.

### Word II
- □ **3250** BTEC 219R (4) 12:30-3pm TTh MOR 112 Cantin

Advanced word processing features using Microsoft Word with an emphasis on Desktop Publishing terminology and concepts to create professional business and personal documents. Prerequisite: Word I or proficient in word processing. Lab fee $17.49.

### Ten-Key Calculator
- □ **3252** BTEC 220A4 (1) 1-1:50pm TTh WAH 207 Copeland
- □ **3253** BTEC 220R (1) 2-3:30pm M MOR 110 Cantin

+1 hr/wk TBA

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. Lab fee $7.15.

### Microsoft Office-PowerPoint Module
- □ **3254** BTEC 222RE (1) ARR T MOR 112 Cantin

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. Lab fee $3.36.

### Excel II
- □ **3255** BTEC 225R (3) 11:30am-1:30pm TTh MOR 112 Cantin

Hands on approach to intermediate through advanced level of Microsoft Excel spreadsheet. A variety of business applications are used during the course. Prerequisite: Excel I or instructor permission. Lab fee $11.04.

### Filing
- □ **3257** BTEC 233A (3) 1-1:50pm MWF WAH 207 Vandegrift
- □ **3258** BTEC 233R (3) 3-4pm M MOR 110 Cantin

+1 1/2 hr/wk TBA

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.

### Legal Terminology
- □ **3260** BTEC 240AP1(3) Online Copeland

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.

### Legal Machine Transcription I
- □ **3261** BTEC 243A4 (4) 9-9:50am Daily WAH 207 Copeland

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. Lab fee $7.36.

### Medical Terminology
- □ **3263** BTEC 260A3 (4) 9-9:50am MW TEC 109 McClain
- □ **3262** BTEC 260B3 (4) 11-11:50am MW TEC 109 Murray
- □ **4154** BTEC 260R3 (4) 11-11:50am MW MOR 112 Jones
- □ **3264** BTEC 260X2 (4) eCorrespondence Copeland

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.

### Medical Transcription
- □ **3265** BTEC 261A4 (4) 9-9:50am Daily WAH 207 Copeland

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. Lab fee $7.36.
CHEMISTRY

Introduction to Chemistry (S)

3327 CHEM& 121A4 (S) 11-11:50am MTWTh NSC 121 Nagelkerke
3328 CHEM& 121H4 (S) 4:30-6:20pm TTh NSC 121 Nagelkerke
3330 CHEM& 121LA (S) 1-2:50pm W NSC 308 Nagelkerke
3331 CHEM& 121LB (S) 3-4:50pm W NSC 308 Nagelkerke
3332 CHEM& 121LC (S) 2:30-4:20pm Th NSC 308 Nagelkerke
3334 CHEM& 121LN (S) 6:30-8:20pm Th NSC 308 Nagelkerke

Survey of chemistry with applications in everyday life: atoms, bonds, reactions, and calculations. Prerequisite: one year HS algebra or MATH 098. Lab fee $27.69.

General Chem w/lab I (S)

3336 CHEM& 161A6 (S) 10-10:50am MTWTh NSC 206 Goodwin
3337 CHEM& 161LA (S) 1-4:50pm M NSC 302 Goodwin
3338 CHEM& 161LB (S) 1-4:50pm T NSC 302 Goodwin

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 HS chemistry and MATH 099. Lab fee $27.46.

Organic Chemistry I (S)

3340 CHEM& 261A4 (S) 12-12:50pm MTWTh NSC 206 Goodwin
3341 CHEM& 261LA (S) 1-4:50pm W NSC 302 Goodwin

General physical and chemical properties of simple aliphatic and aromatic compounds. Prerequisite: CHEM& 161, 162, and 163 or instructor permission. Lab fee $26.88.

CHILD & FAMILY STUDIES

Learning and Playing

3283 CFS 110N (2) 5-7pm ARR ARR Hedgers
3284 CFS 110R (2) 9:30-11:15am Th MOR 101 Hanson

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. Lab fee $11.

Learning with Infants and Toddlers

3286 CFS 120B (2) 1-3pm Th HFL Austin R

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. Lab fee $15.

Positive Parenting I, IV and VII

3287 CFS 130AP1(1-4) Online Mohoric
3308 CFS 140AP1(1-4) Online Mohoric
3318 CFS 150AP1(1-4) Online Mohoric

Students are introduced to parenting skills to use with children through classroom participation, lecture, and discussion.

Parenting Children in ECEAP

3288 CFS 130BEC(1-4) ARR ARR CHE Mohoric
3309 CFS 140BEC(1-4) ARR ARR CHE Mohoric
3319 CFS 150BEC(1-4) ARR ARR CHE Mohoric
3289 CFS 130CEC(1-4) ARR ARR CDC Mohoric
3310 CFS 140CEC(1-4) ARR ARR CDC Mohoric
3320 CFS 150CEC(1-4) ARR ARR CDC Mohoric

Students are introduced to parenting skills to use with children through classroom participation, lecture, and discussion.

Parenting Children in Childcare

3290 CFS 130CLS(1-4) ARR ARR CDC Mohoric
3311 CFS 140CLS(1-4) ARR ARR CDC Mohoric
3321 CFS 150CLS(1-4) ARR ARR CDC Mohoric

Students are introduced to parenting skills to use with children through classroom participation, lecture, and discussion.

Parenting Children in Cooperative Preschool

3292 CFS 130FD(1-4) ARR ARR CEN Eldredge
3312 CFS 140FD(1-4) ARR ARR CEN Eldredge
4118 CFS 150FD(1-4) ARR ARR Eldredge
3293 CFS 130FDL(1-4) ARR ARR CEN Eldredge
3313 CFS 140FDL(1-4) ARR ARR CEN Eldredge
3322 CFS 150FDL(1-4) ARR ARR CEN Eldredge
3301 CFS 130R(1-4) ARR ARR MOR 108 Hanson
3315 CFS 140R(1-4) ARR ARR MOR 108 Hanson
3324 CFS 150R(1-4) ARR ARR MOR 108 Hanson
3304 CFS 130ROC(1-4) ARR ARR ROC Davis
3316 CFS 140ROC(1-4) ARR ARR ROC Davis
3325 CFS 150ROC(1-4) ARR ARR ROC Davis

Students are introduced to parenting skills to use with children through classroom participation, lecture, and discussion.

Parenting Children in Head Start

3296 CFS 130H(1-4) ARR ARR CEN Morehouse
3314 CFS 140H(1-4) ARR ARR CEN Morehouse
3323 CFS 150H(1-4) ARR ARR CEN Morehouse

Students are introduced to parenting skills to use with children through classroom participation, lecture, and discussion.

Parenting Relative Children

3303 CFS 130REC(1-4) 6-8pm M HFL Rearden

Students are introduced to parenting skills to use with children through classroom participation, lecture, and discussion.

Parenting Children through Recovery

3330 CFS 130REC(1-4) ARR ARR Mohoric

Students are introduced to parenting skills to use with children through classroom participation, lecture, and discussion.

Winning at Fatherhood

3294 CFS 130FTH(1-4) ARR ARR Guiden

Students are introduced to parenting skills to use with children through classroom participation, lecture, and discussion.

Training in Positive Parenting Skills (TIPS)

3297 CFS 130TL(1-4) 9:30-11:30am TTh HFL Davis
3300 CFS 130TLT(1-4) 5:30-7:30pm TTh HFL Davis

Students are introduced to parenting skills to use with children through classroom participation, lecture, and discussion.

Parenting with Love and Logic

3298 CFS 130LLI(1-4) ARR ARR CEN Mahoney/Spinnie
3299 CFS 130LLT(1-4) ARR ARR Kears

Students are introduced to parenting skills to use with children through classroom participation, lecture, and discussion.

Strengthening Families

3305 CFS 130SF(1-4) ARR ARR Staff
3306 CFS 130SFW(1-4) 5:30-8pm M Arr Ruiz

Students are introduced to parenting skills to use with children through classroom participation, lecture, and discussion.
**Parent Enrichment Program (PEP)**

3302 CFS 130PEP(1-4) ARR ARR WPE Ruby

Students are introduced to parenting skills to use with children through classroom participation, lecture, and discussion.

**T.E.E.N. Parenting**

3307 CFS 130TEE(1-4) 9-9:50am ARR ARR Kirkpatrick
3317 CFS 140TEE(1-4) 9-9:50am ARR ARR Kirkpatrick
3326 CFS 150TEE(1-4) 9-9:50am ARR ARR Kirkpatrick

Students are introduced to parenting skills to use with children through classroom participation, lecture, and discussion.

**CHINESE**

**Chinese I (D) (H)**

3342 CHIN& 121A4 (5) 11-11:50am Daily NSC 110 Wynder

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.

**Chinese IV (H)**

3343 CHIN& 221A4 (5) 1-1:50pm Daily NSC 110 Wynder

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: CHIN& 123 or instructor permission.

**CIVIL ENGINEERING**

**Intro to Civil Engineering**

4170 CET 100A4 (2) 9-10:50am W TEC 159 Lund J

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.

**Computer-Aided Drafting I**

4176 CET 122A4 (5) 11am-12:15pm MW WAH 212 Alves

AutoCAD drafting, drawing, editing, dimensioning, drawing aids, layer control, blocks, symbols libraries, and plotting. Lab fee $53.47.

**Surveying I**

4178 CET 120A4 (5) 9am-12:50pm TTh TEC 155 Alves

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. Lab fee $26.87.

**Engineering Mechanics**

4280 CET 240A4 (5) 11am-12:50pm MTTh TEC 159 Lund J

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.

**Construction Materials**

3281 CET 250A4 (3) 11am-1:40pm W TEC 159 Lund J

Study of basic construction materials including steel, plastics, concrete and asphalt. Concrete mix design/test and evaluation of materials per WSDOT Standard Specifications. Lab fee $55.22.

**Hydraulics**

3282 CET 260A4 (5) 9-10:40am MTTh TEC 159/WAH 212 Lund J

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. Lab fee $40.02.

**COMMUNICATIONS**

**Dragon NaturallySpeaking**

3357 COMM 100A (2) 8-8:50am T NSC 101 Hoel

Designed to assist students in the development of computer and English composition skills while using Dragon NaturallySpeaking (voice recognition) and text to speech software.

**Written Communications**

3358 COMM 101A (3) 9-9:50am MWF NSC 111 Brown C
3359 COMM 101BP1 (3) Online Brown C

Reviews basic grammar, mechanics and vocabulary and introduces students to basic forms of business communication.

**COMPUTER NETWORK TECHNOLOGY**

**Windows Workstation OS**

3356 CNT 117A4 (2) 8-8:50am MWF WAH 211 Staff
3354 CNT 117C (2) 10-10:50am MWF WAH 205 Staff

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. Lab fee $7.36.

**COMPUTER SCIENCE TECHNOLOGY**

**Introduction to Web Design**

3364 CST 1205 (4) 3-5pm TTh MOR 112 Cantin
3366 CST 120LS (0) ARR TTh MOR 112 Cantin

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. Lab fee $29.70.

**Computer Science I C++**

4159 CS& 131A (5) 12-12:50pm MWF WAH 205 Daniels
4160 CS& 131LA (0) 12-1:50pm TTh WAH 205 Daniels

Intended as an introduction to programming. Emphasis is on the features of the “C” programming language with an introduction to C++ oriented programming and good programming style. Lab fee $31.88.

**XML**

3367 CST 204A (3) 8-8:50am MF WAH 205 Daniels
3368 CST 204LA (0) 8-9:50am T Th WAH 205 Daniels

XML (Extensible mark up language), XHTML, Cascading style sheets, Document Type Definitions, Schema, Document Object Model, XPath, XSL. Prerequisite: CST 119. Lab fee $33.86.
Tomcat Web Server
3369 CST 220A (4) 1-1:50pm MWF WAH 205 Daniels
3370 CST 220LA (0) 2-3:50pm T WAH 205 Daniels
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/corequisite: CST 204. Lab fee $23.77.

Java
- 3371 CST 224A3 (5) 12-12:50pm MWF WAH 105/211 Staff
- 3372 CST 224LA (0) 12-1:50pm Th WAH 211 Staff
- 3373 CST 224LB (0) 12-1:50pm T WAH 211 Staff
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. Lab fee $25.09.

COOPERATIVE WORK EXPERIENCE
Cooperative Work Experience
- 3360 COOP 1905 (1-12) ARR ARR MOR 108 Bloomstrom
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
Intro to Criminal Justice
- 3347 CJ& 101A3 (5) 10-10:50am MTWTh TEC 154 Gilbertson
- 3348 CJ& 101AP1 (5) Online Belden
Examine local, state and Federal law enforcement agencies and the judicial and correctional systems. Career opportunities and qualifying requirements are studied. Lab fee $15.31.

Constitutional Case Law
- 3344 CJ 103A3 (5) 9-9:50am MTWTh NSC 121 Gilbertson
- 3346 CJ 103N3 (5) 5:30-8:10pm T TEC 154 Gilbertson
Examine the Constitution and Bill of Rights in relation to law enforcement, the judiciary, and corrections. Defines guilt-laden facts, reasonable suspicion, and probable cause. Lab fee $14.86.

Intro to Corrections
- 3350 CJ& 105AP1(5) Online Belden
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. Lab fee $14.86.

Criminal Interviews & Interrogations
- 4146 CJ 224 (5) 2-5:10pm T TEC 154 Gilbertson
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.

Intro Forensic Science
- 3333 CJ& 240N (5) 5:30-9:50pm Th TEC 159 McLeod
- 3352 CJ& 240AP1(5) Online Belden
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. Lab fee $14.17.

DIESEL EQUIPMENT TECHNOLOGY
Shop Skills
- 3376 DET 100A3 (2) 9-9:50am Daily DSL 104 Conrad
Theory of basic automotive shop skills pertaining to safety, tool and equipment use and working skills. This is a requisite course for continuance in the Diesel Equipment Technology program. Class meets 9/23-10/21.

Shop Skills Lab
- 3377 DET 101A4 (1-15) ARR ARR ARR Conrad
- 3379 DET 125A3 (3) 9-9:50am Daily DSL 104 Conrad
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. Lab fee $65.69. Class meets 9/23-10/21.

Power Transmission I Theory
- 3378 DET 125A3 (3) 9-9:50am Daily DSL 104 Conrad
The transmission of power from the power source to the end function of machinery. Emphasis on mechanical devices. Theory of operation and repair. Class meets 10/22-12/6.

Power Transmission I Lab
- 3379 DET 126A3 (4) 10am-2:50pm MTWTh DSL 106 Conrad
The application of mechanical power transmission and components. Repair and overhaul of components is studied and practiced in the lab. Corequisite: DET 125. Lab fee $65.69. Class meets 10/22-12/6.

Cooperative Work Experience
- 3380 DET 190A4(1-15) ARR ARR ARR Conrad
See description under Cooperative Work Experience heading.

Mobile Electrical Systems II
- 3381 DET 200A3 (2) 8-8:50am MTWTh DSL 104 Fay

Mobile Electrical Systems II Lab
- 3382 DET 201A3 (4) 10am-2:50pm MTWTh DSL 106 Fay
Preventive Maintenance
3383 DET 215A (1) 8-8:50am Daily DSL 104 Fay
The study of appropriate procedures and practices of vehicle and machinery preventive maintenance and inspection. Compliance with state and federal regulations is covered. Class meets 11/21-12/6.

Preventive Maintenance Lab
3384 DET 216A (2) 10am-2:50pm MTWTh DSL 104 Fay

Internal Combustion Engine II Theory
3385 DET 220A3 (2) 8-8:50am MTWTh DSL 104 Fay

Internal Combustion Engine II Lab
3386 DET 221A3 (4) 10am-2:50pm MTWTh DSL 106 Fay
Live engine testing, troubleshooting, and repairs using the dynamometer. Corequisite: DET 221. Class meets 9/23-10/17.

DRAMA

Applied Drama
3387 DRMA 100A (3) ARR ARR WAH 148 Petzold
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.

Beginning Acting (H)
3388 DRMA 107A (5) 10-11:50am TTh WAH 150 Tyrrell
10-10:50am F WAH 150 Tyrrell
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.

Dramatic Performance (H)
3389 DRMA 115A (5) ARR ARR ARR Tyrrell
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.

ECONOMICS

Microeconomics (SS)
3390 ECON& 201A4 (5) 8-8:50am Daily WAH 113 Suozzo
Study of individual markets and how prices and quantities react within those markets to meet the unlimited wants of human beings.

Macroeconomics (SS)
3391 ECON& 202A4 (5) 10-10:50am Daily WAH 113 Suozzo
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

Cooperative Work Experience
3402 EDUC 190A (1-12) ARR ARR KMP 113 White
See description under Cooperative Work Experience heading.

Intro to Education
3404 EDUC 201A4 (3) 10-10:50am MWF NSC 108 Price
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.

Classroom Observation
3403 EDUC 202A (2) 10-10:50am T NSC 110 White
4147 EDUC 202B (2) ARR ARR ARR White
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. Lab fee $10.

EDUCATION-EARLY CHILDHOOD

Child Care Basics (formerly EDEC 105 Intro to Child Care)
4128 ECED& 100AW1 (3) Online Staff
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.

Intro Early Child Ed (formerly EDEC 101)
4119 ECED& 105A4 (5) 1-4pm M NSC 101 Price
+4 hrs/wk TBA
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.

Health/Safety/Nutrition (formerly EDEC/EDUC 131)
4127 ECED& 107AW1(5) Online Staff
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.
Practicum-Nurturing Rel (formerly EDEC 141)

Students gain experience engaging in nurturing relationships with children, keeping children safe and promoting children's growth and development.

Guiding Behavior (formerly EDEC 165)

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.

Infants and Toddlers (formerly EDEC 173)

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.

School Age Care (formerly EDEC 174)

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.

Admin of Early Lrng Prog (formerly EDEC 155)

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.

Child/Family/Community (formerly EDEC 160)

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.

ELECTRONICS/ROBOTICS

Cabling and Soldering

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. Lab fee $33.86.

DC Electronics

Basic electronic theorems. DC circuit analysis. Series and parallel circuits. Lab fee $33.86.

Robotics I

An introduction to the principles of robotics. Lab fee $11.44.

Computer Electronics I

Digital Logic Circuitry, Binary numbers, Small Scale and Medium Scale Integration, Boolean Algebra, Combinational and Sequential circuitry. Lab fee $33.86.

Small Signal Amplifiers

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. Lab fee $33.86.

Automation II

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. Lab fee $32.07.

ENERGY TECHNOLOGY

Introduction to the Energy Industry

Provides a broad background in fields related to power generation.

Energy Efficiency

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.

Energy Efficiency Lab

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. Co-requisite: PPO 150. Lab fee $28.59.

Cooperative Work Experience

Please see description under Cooperative Work Experience heading.
Plant Systems

- **3709 PPO 201AT3 (5)** 2-4:50pm T COE 115 Steidel
- **3710 PPO 201NT3 (5)** 5:30-8:20pm T COE 115 Steidel

Provides a background in power plant cycles, systems and equipment, including an introduction to instrumentation and control. Prerequisite: PPO 102.

**ENGLISH**

**Spelling**

- **3414 ENGL 094N (1-5)** 5-7:20pm TTh NSC 110 Shriver

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.

**Vocabulary Development I**

- **3416 ENGL 095N (1-5)** 5-7:20pm TTh NSC 110 Shriver

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 placement test and assigned materials at an appropriate level.

**Vocabulary Development II**

- **3417 ENGL 096N (1-5)** 5-7:20pm MW NSC 110 Shriver

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.

**Vocabulary Development III**

- **3419 ENGL 097N (1-5)** 5-7:20pm MW NSC 110 Shriver

Course provides a systematic study of college level academic words and their roots, prefixes, and suffixes to increase proficiency in oral and written communication.

**Introduction to Engineering**

- **3453 ENGR 100A4 (2)** 11-11:50am TTh NSC 110 Threapleton

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.

**Mechanics of Materials**

- **3454 ENGR& 225A (5)** 9-9:50am Daily NSC 108 Threapleton

This course covers the mechanics of materials. Prerequisite: ENGR& 100.

**Writing & Grammar Review**

- **3420 ENGL 098A (1-5)** 9-9:50am Daily COE 115 Shriver

Provides systematic study, increases proficiency in oral and written communication and reading comprehension. Students are given placement test and assigned materials at an appropriate level. Prerequisite: ENGL& 214.

**Fundamentals of English**

- **3424 ENGL 099A (1-5)** 10-10:50am Daily COE 115 Shriver

Provides a background in power plant cycles, systems and equipment, including an introduction to instrumentation and control. Prerequisite: PPO 102.

**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.**

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**Mechanics of Materials**

- **3454 ENGR& 225A (5)** 9-9:50am Daily NSC 108 Threapleton

This course covers the mechanics of materials. Prerequisite: ENGR& 100.
Argumentation Research Workshop

- 4331 ENGL 104A4 (1) 12-12:50pm W WAH 209 Schnabl
  Provides supplemental instruction and support for English 102 students, including library research, critical reading, thesis development, and forms of argumentation. Prerequisite: ENGL& 102 (recommended co-requisite)

Professional Writing

- 4342 ENGL 107AP1 (3) Online Brown C
  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.

Introduction to Literature (H)

- 4351 ENGL& 111AP1 (5) Online Foss
  Introduces the major genres, techniques and themes of literature by examining the work of a variety of classic and contemporary authors.

Short Fiction (H)

- 4310 ENGL 180A4 (5) 11-11:50am Daily NSC 206 Weil
  Survey of short story as representational vehicle in romanticism, realism, modernism, horror, satire, science fiction, and magical realism. Primarily American in focus; includes cross-cultural comparisons. College-level reading, writing skills expected. Creative writing options.

Women's Literature (H)(D)

- 4343 ENGL 255R4 (5) 12:30-2:50pm MW MOR 108 Bennett
  Students will explore the role women have played in the development of literature by analyzing why women write, the issues in which they write, and the issues that concern them. College-level reading and writing required.

ENVIRONMENTAL SCIENCE

Survey of Environmental Science (S)

- 4345 ENV&S 100A4 (5) 10-10:50am Daily NSC 111 Carlson L
  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.

Intro to Env Science w/lab (S)

- 4346 ENV&S 101AP1 (5) Online Carlson L
  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 ENV&S 100 and ENV&S 101.

FRENCH

French I (H)

- 3463 FRCH& 121A4 (5) 9-9:50am Daily NSC 210 Mawamba
  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.
**HEALTH**

**Health & Wellness (HF)**
- **3493 HLTH 130AP1 (3) Online** Priday
  An exploration of current personal health issues and a presentation of contemporary approaches to obtaining and maintaining a high level of wellness.

**Healthy Weight Control (HF)**
- **3494 HLTH 135A4 (2) 9:45-9:50am TTh NSC 106 Johnson C**
  An introduction to healthy eating that focuses on a balance of foods, including a variety of lifestyle change strategies that will enhance the maintenance of a healthy weight. Lab fee $3.10.

**Exercise & Nutrition (HF)**
- **3495 HLTH 140A4 (3) 8-8:50am TWTh NSC 107 Priday**
  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. Lab fee $3.10.

**Safety and Fitness (HF)**
- **3497 HLTH 145A3 (3) 9-9:50am MWF HWC 106 Johnson**
- **3498 HLTH 145B2 (3) Online Johnson**
  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. Lab fee $47.49.

**Community First Aid and CPR**
- **3499 HLTH 154B1 (1) 8:30am-4pm Sa HWC 106 Layton**
- **3500 HLTH 154C1 (1) 8:30am-4pm Sa HWC 106 Layton**
  Introductory American Red Cross first aid class with emphasis on the basic skills needed in case of an emergency. Adult, child and infant CPR covered. Lab fee $44.23. **Section C meets 8/10; section B meets 9/14.**

**HISTORY**

**Western Civilization I (SS)**
- **3476 HIST& 116A (5) 10-10:50am Daily NSC 204 Peterson J**
  Analysis of the development of major political, economic, social and cultural characteristics of Antiquity and Medieval Europe.

**US History I (SS)**
- **3477 HIST& 146A (5) 12-12:50pm Daily NSC 204 Peterson J**
  Analysis of American history from the pre-invasion to the Antebellum Era. Emphasis will be on the political, social, and economic changes.

**Pacific Northwest History (SS)**
- **3478 HIST& 214AP1 (5) Online Austin K**
  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.

**HUMAN RELATIONS**

**Human Relations-Workplace**
- **3471 HR 110A (5) 8-8:50am Daily NSC 109 Smejkal**
- **3472 HR 110B3 (5) 10-10:50am MWF NSC 110 Vandegrift**
- **3473 HR 110C3 (5) 12-12:50pm MWF WAH 109 Vandegrift**
- **3475 HR 110N3 (5) 5:30-8:30pm W WAH 115 Schimelpfenig**
- **3474 HR 110D5 (5) Online McClain**
  Study of behavior, personality, self-management, self-development, and elementary business psychology in the workplace. Focus on understanding of interpersonal and interpersonal effectiveness emphasizing communications, motivation, leadership, and personal attitude. Lab fee $5.

**HUMANITIES**

**Ethics and Cultural Values (H)(D)**
- **3533 HUM 110A4 (5) 11-11:50am Daily WAH 105 Mitchler**
  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.

**Humanities I (H)**
- **3537 HUM& 116A4 (5) 9-9:50am Daily WAH 109 Mitchler**
  A survey of the major movements in art, architecture, music, philosophy and literature in a historical context, from pre-history to 1400 C.E.

**Lyceum I**
- **3534 HUM 281A (1) 1-1:50pm W WAH 103 Peterson J**
- **3535 HUM 281R (1) 12-12:50pm W Roxy Theater Schinnell**
  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**

**Intensive English Speaking Level I-IV**
- **3538 IEP 084A4 (1-5) 10-10:50am Daily WAH 211 Miller**
- **3542 IEP 088A4 (1-5) 10-10:50am Daily WAH 211 Miller**
- **3546 IEP 092A4 (1-5) 10-10:50am Daily WAH 211 Miller**
- **3550 IEP 096A4 (1-5) 10-10:50am Daily WAH 211 Miller**
  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.

**Intensive English Listening Level I-IV**
- **3539 IEP 085A4 (1-5) 11-11:50am Daily WAH 211 Miller**
- **3543 IEP 089A4 (1-5) 11-11:50am Daily WAH 211 Miller**
- **3547 IEP 093A4 (1-5) 11-11:50am Daily WAH 211 Miller**
- **3551 IEP 097A4 (1-5) 11-11:50am Daily WAH 211 Miller**
  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.
JOURNALISM

Introduction to Mass Media (H)
3554 JOUR 160A (5) 10-10:50am Daily WAH 103 Fisher
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.

LIBRARY

Research in the 21st Century
3555 LIBR 180AW1(S) Online        Staff
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 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 summarization of short reading passages. Students keep a daily journal.

MATHEMATICS

Basic Mathematics
3564 MATH 095A4 (1-5) 7-8:50am Daily LIB 003 Spitzer
3565 MATH 095B4 (1-5) 9-9:50am Daily LIB 003 Spitzer
3566 MATH 095C4 (1-5) 1-3:20pm MW WAH 109/105 Spitzer
+5 hrs/wk TBA
3567 MATH 095D4 (1-5) 12-12:50pm Daily NSC 215 Brosz
3568 MATH 095N4 (1-5) 5-7:20pm TTh WAH 109/103 Breuer
+5 hrs/wk TBA
3569 MATH 095R4 (1-5) 10:10-11am MWF LIB 003 Brosz
3570 MATH 095S4 (1-5) 4:30-7pm TTh MOR 108 Bloomstrom
3571 MATH 095X2 (1-5) eCorrespondence Perkins
For students who need to review basic math concepts such as whole number, fraction and decimal operations. Appropriate placement test scores. Section TC meets at the Chehalis Tribal Center at 461 Secena Road in Oakville.

Pre-Algebra
3572 MATH 096A4 (1-5) 7-8:50am Daily LIB 003 Spitzer
3573 MATH 096B4 (1-5) 9-9:50am Daily NSC 211 Ziegler
3574 MATH 096C4 (1-5) 11-11:50am Daily NSC 211 Ziegler
3575 MATH 096D4 (1-5) 1-3:20pm MW WAH 109/105 Spitzer
+5 hrs/wk TBA
3576 MATH 096N4 (1-5) 5-7:20pm TTh WAH 109/103 Breuer
+5 hrs/wk TBA
3577 MATH 096R4 (1-5) 9-9:50am Daily NSC 215 Brosz
3578 MATH 096S4 (1-5) 4:30-7pm TTh MOR 108 Johnson T
4156 MATH 096TC (1-5) 9-9:30am MWF CTC Griffith
3579 MATH 096X2 (1-5) eCorrespondence Perkins
Covers percents, proportions, unit conversions, geometry, simplifying algebraic expressions and solving simple first degree linear equations. Prerequisite: MATH 095 or appropriate test score placement. Section TC meets at the Chehalis Tribal Center at 461 Secena Road in Oakville.

Algebra for Statistics
4118 MATH 097A4 (5) 10-10:50am Daily NSC 215 Brosz
An algebra course for students intending to enroll in MATH& 146, Introduction to Stats. This course does not meet the algebra prerequisite for other quantitative skills courses or for transfer to the University of Washington. Prerequisite: MATH 096 or Compass score of 78+.

Algebra I
3580 MATH 098A4 (1-5) 7-8:50am Daily LIB 003 Spitzer
3581 MATH 098B4 (1-5) 9-9:50am Daily NSC 215 Brosz
3582 MATH 098C4 (1-5) 11-11:50am Daily NSC 211 Ziegler
3583 MATH 098D4 (1-5) 1-3:20pm TTh WAH 109/103 Spitzer
+5 hrs/wk TBA
3584 MATH 098N4 (1-5) 5-7:20pm MW WAH 109/103 McLeod A
+5 hrs/wk TBA
3585 MATH 098R4 (1-5) 9-9:50am Daily NSC 215 Brosz
3586 MATH 098S4 (1-5) 4:30-7pm TTh MOR 108 Johnson T
4157 MATH 098TC (1-5) 9-9:30am MWF CTC Griffith
3588 MATH 098X2 (1-5) eCorrespondence Ziegler
For students with good arithmetic skills and familiarity with signed numbers and basic algebraic expressions. Problemsolving skills are emphasized. Topics include: linear equations and inequalities, graphing, polynomials, and rational expressions. Prerequisite: MATH 096. Section TC meets at the Chehalis Tribal Center at 461 Secena Road in Oakville.
Heather Danielle Kolowinski (above right) said that the education in Civil Engineering at Centralia College prepared her well for a career and for further education, including materials testing.

Civil Engineering Technology training sets the stage for many great career, education options

Heather Danielle Kolowinski came to Centralia College following her layoff after 10 years as an interior designer. She evaluated her skills and interests and, coupled with suggestions from a close friend, embarked on a Civil Engineering Technology (CET) course of study.

“When I returned to Centralia College full time I still did not have a clear goal in mind for my future career. I knew I wanted financial stability in a growing industry and felt that engineering could provide that,” Kolowinski said.

As she began her studies in the CET program, she realized she was at the right college.

“I was impressed with the quality of education at Centralia College. Expectations were clear and the homework load was quite manageable. When I would talk about projects and coursework, my friends in the industry would remark on how it sounded like I was getting a more practical education than they had at a four-year university,” Kolowinski said. “They wished they too had received more hands on experience with surveying, industry software, and creating layouts in AutoCAD.”

She cited a number of strengths of the CET program. Headlining the list was the helpfulness of the faculty and staff.

“They were always approachable and helpful. My instructors were highly encouraging and some will even be lifelong friends and colleagues,” she said.

She also found connection with fellow students.

“Throughout the CET program I became very close to my classmates. We were an unlikely group of individuals with diverse backgrounds,” said Kolowinski. “I came from interior design, another student came from 20 years in banking, and others came from construction. Our common ground was an interest in the program. The structure of the program kept all of us together.

Continued on page 38

Introductory CET classes open doors to great careers

Civil Engineering Technology is a great field for employment opportunities. You can get into specific areas including civil engineering design, construction inspection, computer-aided drafting, traffic control, and others.

Individuals with these skills are coming into greater demand as the economy expands and brings new construction. As the demand for skilled workers increases, also comes solid entry level family wage jobs. Employment often carries good benefits.

Centralia College is offering a great class that gives you the opportunity to explore the various career options in CET without committing to portions of the program that may not appeal to you.

The classes that can get you started are Introduction to Civil Engineering or Computer-aided Drafting. Turn to page 16 of this schedule to get details on classes that can change your life and get you started on a great career! Open registration begins Sept. 3.
SAINT MARTIN’S UNIVERSITY AND CENTRALIA COLLEGE
PARTNER FOR YOUR SUCCESS!

Saint Martin’s University in Lacey and Centralia College are working together to serve you.

In the fall 2013 semester, Saint Martin’s University will be offering three baccalaureate degree programs that allow Centralia College students to continue toward a four-year degree.

**Accounting:** The accounting program, new this fall at Centralia College, meets the content requirements set by the Washington State Board of Accountancy for certified public accountant licensure. Those holding this degree take jobs in a variety of positions with CPA firms, government offices and businesses.

**Elementary education:** The elementary education program provides students with the education and training needed for advanced study and/or residency teaching certification, with a primary endorsement in elementary education (kindergarten-8) by the state of Washington.

**Criminal justice:** The criminal justice degree prepares students for positions in the criminal justice field and provides a strong background for further education in graduate or law school.

**Flexible and affordable!** Located on the Centralia College campus, these three programs offer evening and weekend class options. Courses are offered at reduced “extended learning” rates.

*Saint Martin’s University is a Catholic Benedictine institution of higher education that empowers students to pursue a lifetime of learning and accomplishment in all arenas of human endeavor. Saint Martin’s students learn to make a positive difference in their lives and in the lives of others through the interaction of faith, reason and service. The University honors both the sacredness of the individual and the significance of community in the ongoing journey of becoming.*

For more information, contact Carla Jacobs at 360-736-9391, ext. 414 or cjacobs@stmartin.edu.
### Algebra II

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*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.

Section TC meets at the Chehalis Tribal Center at 461 Secena Road in Oakville.*

### Technical Mathematics I

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*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.*

### Linear Algebra (M)

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*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 142 or equivalent placement.*

### Introduction to Stats (M)

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*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.*

### Calculus II (M)

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*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.*

### MEDIA STUDIES

#### Sports Announcing for Football

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*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.*

#### Intro to Radio Broadcasting

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*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. Lab fee $17.94.*

#### Intro to TV & Video Production for the Electroni

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*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. Lab fee $17.94.*

### Radio Broadcasting Internship

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*Practice and perfect your announcing skills on the campus radio station KCED FM. Prerequisite: MST 230, 231 or instructor permission.*

#### TV Broadcasting Internship

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*Designed for students who wish to produce independent video projects outside of the classroom environment. Permission of instructor required. Prerequisite: MST 260, 261, 262.*

### MEDICAL ASSISTANT

#### MA Clinical Procedures I

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<td>TEC 115</td>
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*Overview of physical examinations, procedures, and testing that a medical assistant would assist a health care provider with in an ambulatory care setting. Prerequisite: BTEC 260, 270, BIOL 170, HLSV 140. Lab fee $77.*
MUSIC

Music Reading
3616 MUSC 100A (2) 1:30-2:20pm MW WAH 125 Woodcock
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.

Percussion and Rhythm
4107 MUSC 106A (1) 9-9:50am T WAH 107 Huffman
Will study percussion rhythms and beat patterns. Open to all students from any major field of study without audition. Students will purchase their own drumsticks as dictated in the syllabus.

Ethnic Percussion: World Beats
4108 MUSC 107A (1) 9-9:50am T WAH 107 Huffman
Is a forum for any musician to refine their rhythmic skills. Will emphasize ethnic beat patterns. Prerequisite: competency in previous music reading experience.

Piano I
4105 MUSC 108A (1) 8-8:50am T WAH 107 Huffman
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.

Piano II
4106 MUSC 109A (1) ARR ARR WAH 107 Huffman
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.

Applied Music I-VI
3617 MUSC 115A (1) ARR ARR ARR Huffman
3618 MUSC 116A (1) ARR ARR ARR Huffman
3619 MUSC 117A (1) ARR ARR ARR Huffman
3626 MUSC 215A (1) ARR ARR ARR Huffman
3627 MUSC 216A (1) ARR ARR ARR Huffman
3628 MUSC 217A (1) ARR ARR ARR Huffman
Study of specific instrument literature and techniques applied to performance. Required of all music majors. By audition and permission of instructor only.

Music Theory I (H)
3644 MUSC& 231A (3) 8-8:50am MWTh WAH 107 Huffman
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.

Music of the World (H)
4103 MUSC 139A (5) 9-9:50am Daily WAH 103 Woodcock
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.

Music Theory IV
3646 MUSC& 231A (3) 9-9:50am MWTh WAH 107 Huffman
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 instructor permission; corequisite: MUSC& 221.

Jazz Band I-VI
3629 MUSC 234A (2) 12-1:20pm Th WAH 107 Huffman
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. Prerequisite: by audition only. Lab fee $17.49.

Performance Ensemble I-VI
3635 MUSC 244A (1) ARR ARR ARR Huffman
3636 MUSC 246A (1) ARR ARR ARR Huffman
3637 MUSC 247A (1) ARR ARR ARR Huffman
3638 MUSC 248A (1) ARR ARR ARR Huffman
3639 MUSC 249A (1) ARR ARR ARR Huffman
An ensemble 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.

NURSING

Basic Nursing Care Concepts
3647 NURS 101A4 (12) ARR Daily NSC 202 Fritzer
3648 NURS 101B4 (12) ARR Daily NSC 202 Hinderlie
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. Lab fee $304.77.
### Mental Health & Lifespan

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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. Lab fee $107.56.

### BLS for Healthcare Providers

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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 instructor permission. Lab fee $36.52.

### Management & Leadership

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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. Lab fee $54.16.

### NURSING ASSISTANT

#### Intro to Healthcare

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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. Class meets 9/30-10/30.

#### Nursing Assistant Certification

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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. Lab fee $194.58. Sections A and N meet 9/23-11/9; section LA and NA meet 11/12-11/21; section LC and LNB meet 12/2-12/11;

#### Nurse Delegation

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This 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. Lab fee $36.52. Class meets 9/17-9/25.

### Mental Health

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<td>FSa</td>
<td>TEC 115</td>
<td>Speer</td>
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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. Lab fee $30. Class meets 11/1-2.

### Dementia

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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. Lab fee $30. Class meets 10/25-26.

### NUTRITION

#### Nutrition (S)

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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.

### OCEANOGRAPHY

#### Intro to Oceanography (S)

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Explore the physical, geological, chemical and biological characteristics of the ocean: waves and tides, ocean and atmosphere circulation, coastal features and beaches processes, ocean basins, sediments, ocean chemistry and physics, plate tectonics, and marine life. Corequisite: OCEA& 101L is integrated. Lab fee $17.94

### PHILOSOPHY

#### Intro to Philosophy (H)

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Investigate the assumptions philosophers have made about reality, knowledge, truth, God, morality, social construction, freedom, and paternalism.

#### Introduction to Ethics (H)

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Focus on choices made in concrete circumstances. Study traditional ethical theories and present-day moral dilemmas.

### PHYSICAL EDUCATION

#### Basketball

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This course will cover the basic skills and techniques of basketball. Includes team defense and team offense. Lab fee $3.30.
### Physical Fitness (HF)

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Study all five areas of fitness: aerobic endurance, muscle strength, muscle endurance, flexibility, and body composition. Students work at their own fitness levels. Lab fee $3.10.

### Volleyball

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This course will cover the fundamental skills and techniques of beginning volleyball. Includes basic rules, scoring and strategy. Lab fee $3.10.

### Lifestyle Management and Exercise (HF)

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Designed to assist individual in making lifestyle changes associated with health and fitness. Lab fee $3.10.

### Basic Weight Training/Conditioning (HF)

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Designed to condition the musculature of the body using machine and free weights. Lab fee $3.10.

### Free Weights (HF)

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Designed to develop muscle fitness through lifting free weights, Olympic lifts, plyometrics and power lifting. Students need prior weight training experience. Lab fee $3.10.

### Volleyball Applications

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A course designed to provide experiences in advanced strategies, skills, and team concepts of volleyball. Prerequisite: PE 115 or instructors permission. Lab fee $3.10.

### Boot Camp Basics (HF)

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A high-impact exercise class designed to improve muscle strength, endurance, flexibility and aerobic capacity. Lab fee $3.10.

### Cardio Combo (HF)

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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, kickboxing, Drums Alive, Zumba, and circuits and weights. Lab fee $3.10.

### Yoga (HF)

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An exercise class integrating components of flexibility, muscular strength and endurance, and relaxation. Students will be encouraged to work at their own level of fitness. Lab fee $3.10.

### Pilates/Core (HF)

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An exercise class designed to teach breathing with movement, body mechanics, balance, coordination, spatial awareness, strength and flexibility. Lab fee $3.10.

### Tai Chi Basics (HF)

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Develop balance, lower-body strength and relaxation in motion with Wu Style Tai Chi. Students will work at their own level of fitness. Lab fee $3.10.

### Beginning Tae Kwon Do (HF)

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Develop balance, coordination, agility, spatial awareness, strength, and flexibility through the Korean art of Tae Kwon Do. Students will work at their own level of fitness. Lab fee $3.10.

### Intermediate Tae Kwon Do

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Further development of the techniques, forms, the sport, and self defense aspects required to advance to blue belt in the Korean martial art of Tae Kwon Do. Lab fee $3.10.

### Advanced Tae Kwon Do

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Further development of the techniques, forms, the sport, and self defense aspects required to advance to blue and orange belt in the Korean martial art of Tae Kwon Do. Lab fee $3.10.

### Softball Fundamentals

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Designed to develop muscle fitness through lifting free weights, Olympic lifts, plyometrics and power lifting. Students need prior weight training experience. Lab fee $3.10.

### Basketball Fundamentals

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This course will review basic skills and techniques of basketball. Emphasis on basic skills and conditioning. Lab fee $18.75.

### Basketball Fundamentals

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This course will implement basic fundamentals with theory of various phases of the game. Conditioning for a lifetime activity is an important aspect of the course. Lab fee $3.10.

### Lifetime Fitness (HF)

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Cardiovascular endurance, muscle fitness, weight management and flexibility will be studied. One lecture hour and two hours of activity per week. Lab fee $3.10.

### Advanced Basketball

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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, team offense, and team defense. Prerequisite: PE 103 or instructor permission. Lab fee $3.10.
**Advanced Physical Fitness (HF)**

- **3687 P E 210R (1)** 4:45-5:50pm MW MOR 108 Lund G  
  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. Lab fee $3.10.

**Advanced Volleyball**

- **3688 P E 215A (1)** 12:12:50pm TTh HWC 103 Ewings  
  Advanced techniques and skills utilized in the game of volleyball. Advanced offensive and defensive tactics and strategy will be covered. Prerequisite: PE 115 or instructor permission. Lab fee $3.10.

**Physical Fitness Concepts (HF)**

- **3689 P E 229A3 (3)** 12:12:50pm MWF HWC 115/200 Johnson C  
  A combination of theory and practice in the development of physical fitness. Two lecture hours and two activity hours per week. Lab fee $3.10.

**Advanced Volleyball Applications**

- **3690 P E 239N (3)** ARR ARR ARR Gordon  
  Provides experiences in advanced techniques and tactics needed to execute advanced team concepts of volleyball. Lab fee $3.10.

**Advanced Softball Fundamentals**

- **3691 P E 262A (1)** ARR MWF CEN Bajo  
  Continuation of the physical and mental skills needed for playing fastpitch softball. Emphasis will be on a variety of strategies utilized in the game of softball. Lab fee $3.10.

**Advanced Baseball Fundamentals**

- **3692 P E 266A (1)** ARR MWF ARR Skinner  
  On the field practice in development of the advanced fundamentals of baseball. Emphasis on advanced skills, strategies, and techniques. Prerequisite: PE 166 or instructor permission. Lab fee $18.75.

**Advanced Basketball Fundamentals**

- **3693 P E 267A (1)** ARR Daily ARR Schutz  
- **3694 P E 267B (1)** ARR Daily ARR Moir  
  More advanced skills practiced. Prerequisite: PE 167 or instructor permission. Lab fee $3.10.

**Physics**

**Engineering Physics I (S)**

- **3697 PHYS& 221A (5)** 8-8:50am MTWTh NSC 108 Threapleton  
- **3698 PHYS& 221LA (0)** 1-2:50pm M NSC 106 Threapleton  
- **3699 PHYS& 221LB (0)** 3-4:50pm M NSC 106 Threapleton  
  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; corequisite: MATH& 152. Lab fee $17.94.

**Political Science**

**Intro Political Science (SS)**

- **3700 POLS& 101A (5)** 9-9:50am Daily NSC 204 Peterson J  
  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.

**American Government (SS)**

- **3701 POLS& 202AP1(5) Online** Austin K  
  Students will examine the American political structure and its ideological roots. We will explore how the structure is organized and how it operates.

**Psychology**

**General Psychology (SS)**

- **3711 PSYC& 100AT4 (5)** 9-9:50am Daily WAH 216 Neal  
- **3712 PSYC& 100B4 (5)** 10-10:50am Daily WAH 105 Neal  
- **3713 PSYC& 100C4 (5)** 1:30-3:30pm TTh NSC 107 Machamara  
  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.

**Lifespan Psychology (SS)**

- **3714 PSYC& 100D4 (5)** 9-9:50am Daily MOR 110 Neal  
- **3715 PSYC& 100RT4 (5)** 9-9:50am Daily MOR 110 Neal  
- **3716 PSYC& 200A4 (5)** 8-8:50am Daily WAH 103 Neal  
- **3717 PSYC& 200BP1(5) Online** Machamara  
  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.

**Reading**

**Specific Reading Skill Development**

- **3721 READ 097N (1-3)** 5-7:20pm MW NSC 110 Shriver  
  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.

**Improvement of Reading**

- **3722 READ 099A (1-5)** 11-11:50am Daily LIB 003 Shriver  
- **3723 READ 099N (1-5)** 5-7:20pm MW NSC 110 Shriver  
- **3724 READ 099R (1-5)** 8:30-10:50am TTh MOR 101 Nellis  
- **3725 READ 099S4 (1-5)** 4:30-7pm TTh MOR 110 Shriver  
  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.

**Speed Reading**

- **3727 READ 110A (3)** ARR ARR ARR ARR Shriver  
  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.
### SCIENCE

**Intro to Physical Science (S)**
- **CODE**: 3728
- **CRSE**: SCIE 104BP1(S)
- **TIME**: Online
  - **CR**: Brown D

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.

**Weather and Climate (S)**
- **CODE**: 3729
- **CRSE**: SCIE 115AP1(S)
- **TIME**: Online
  - **CR**: Brown D

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

**Intro to Sociology (SS)**
- **CODE**: 3744
- **CRSE**: SOCS 101A4 (5)
- **TIME**: 8-8:50am Daily
- **ROOM**: NSC 110
  - **INSTRUCTOR**: Coffman

**Social Problems (SS)**
- **CODE**: 3748
- **CRSE**: SOC& 201A (5)
- **TIME**: 10-10:50am Daily
- **ROOM**: NSC 208
  - **INSTRUCTOR**: Van Alstyne

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.

### SPANISH

**Spanish I (H)**
- **CODE**: 3749
- **CRSE**: SPAN& 121A4 (5)
- **TIME**: 8-8:50am Daily
- **ROOM**: NSC 210
  - **INSTRUCTOR**: Staff

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.

### SPEECH

**Fundamentals of Public Speaking (H)**
- **CODE**: 3754
- **CRSE**: SPEE 110A (3)
- **TIME**: 11-11:50am Daily
- **ROOM**: NSC 210
  - **INSTRUCTOR**: McQuarrie

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.

**Principles of Speech Communication (H)**
- **CODE**: 3755
- **CRSE**: SPEE 110A4 (5)
- **TIME**: 8-8:50am Daily
- **ROOM**: NSC 204
  - **INSTRUCTOR**: McQuarrie

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.

### STUDENT DEVELOPMENT

**Study Skills**
- **CODE**: 3732
- **CRSE**: SDEV 099N (1-5)
- **TIME**: 5-7:20pm MW
  - **ROOM**: NSC 110
  - **INSTRUCTOR**: Shriver

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. Lab fee $7.22. Section A meets 9/19 and 20; section R4 meets 9/18 and 19.

**Career Planning**
- **CODE**: 3735
- **CRSE**: SDEV 105AP1(2)
- **TIME**: Online
  - **INSTRUCTOR**: Mercer

Students identify their interests, skills and abilities and evaluate their personal 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. Lab fee $17.94.
Fall quarter classes are filling fast but there’s still time to choose

Still undecided about your future? Local unemployment rates are still high meaning it could take more skills to land the job you want. A great option that can prepare you for workforce positions is enrolling fall quarter at Centralia College. There is still time to register for classes for fall quarter, which begins on Sept. 23. Open registration begins Sept. 3 and continues through the first couple of days of the new quarter.

Although classes are filling, there will be many classes open. It is advisable to check through this schedule to find your areas of interest and be ready on Sept. 3 to visit the college and begin the registration process. The sooner you sign up for classes, the better your chances of getting the classes you want, when you want them.

You can take face-to-face classes or sign up for the college’s online offerings or try the hybrid format (a blend of online and face-to-face classes). More information about what’s available and details on the college’s online registration process is available on the college’s Web site at: www.centralia.edu.
GED testing moving to computers

In striving to provide more adult learners throughout the state with a high school credential, Centralia College is partnering with GEDTS (General Educational Development Testing Service) to offer the GED test on computer.

The tests will be available on paper until Jan. 1, 2014.

Two organizations jointly administer the national GEDTS — the American Council on Education and Pearson Vue, an electronic testing company owned by the global media company Pearson PLC. The testing fee will be $150 for the complete series or $30 per test.

The paper GED tests are available in Spanish Oct. 26, at 8:30 a.m.

“The fee increase is unfortunate because students who cannot afford to pay may not be able to test for their GED,” said Dr. Brigitte Kidd, Centralia College’s dean of Transitional Education. Kidd believes, and research confirms, that the GED is still a worthwhile investment for those without a high school diploma.

Registering, scheduling, and testing on computer will provide a new experience and new benefits for GED test takers. These new features will improve the GED testing program, which is a gateway for adults to find jobs or better paying jobs, enter the workforce or college training programs, and better support themselves and their families.

Centralia College is an official GED testing site. Individuals may register for the GED online at centralia.edu/students/testing.html.

As society integrates technology into almost every facet of life, adults will need basic technology skills to be successful. “By providing the GED on computers it will help demonstrate that the student has acquired at least some of those skills. Plus, this new process makes the testing process more efficient,” Kidd said.

Hundreds of students each year sign up to take the five-part competency test at Centralia College. A passing grade on all five parts would mean the student earns his or her GED.

The GED is designed for adults 19-years of age or older who have not graduated from high school. Students aged 16, 17 and 18 must have a signed release from their high school before taking the test.

Looking to save a buck on textbooks? Take the rental route

Though there are no increases in tuition this fall, whenever they can, Centralia College students are still looking for ways to save money.

Tammy Strodemier, manager of the Centralia College bookstore, recommends that students rent textbooks whenever possible.

“Students often have sticker shock when they discover the cost of some books,” Strodemier said. “Books can range in price from a few dollars, to hundreds of dollars for some of the newer and more technical books.”

One such example is, Understanding Nutrition. To purchase the book new, a student would pay $209, used it would cost $158, but if a student rented the book, the cost would drop to $124 per quarter. If a used copy is available for rent, it only costs $68 per quarter.

Some textbooks may be needed for multiple quarters, or the student may want to keep the book. In that case students should compare the cost of renting to purchasing their books.

“There are a few times when the rental program isn’t the best choice,” Strodemier said. “Students can always compare the costs of books by visiting the bookstore Web site, or talk with a bookstore staff member to see what the best fit is.”

Strodemier also emphasized the importance of taking good care of rental books.

“If a rental book is returned with major damage, particularly water damage, the student is charged for the replacement cost of a new book,” Strodemier said. “This can sometimes cause us to put a hold on the student’s grades, something we want to avoid.”
Centralia College students successfully launch “near space” vehicle

More than a dozen Centralia College physics and electronics students touched the heavens. The group did so through a project that sent a specialized weather balloon up to about 90,000 feet to capture photos and scientific information.

The team, under guidance from Centralia College faculty members, assembled the 4.7-pound payload of equipment, and travelled to eastern Washington near Vantage to launch and successfully retrieve the payload that nearly reached space.

Any altitude above 65,000 feet is considered to be “near space.”

A variety of sensors collected data on atmospheric pressure and temperature. Two Go-Pro cameras, often used by extreme athletes, took high resolution pictures every five seconds (see the front cover of this schedule).

Once the balloon reached a certain atmospheric pressure, it burst, a parachute deployed, and the vehicle floated safely to the ground for retrieval.

In more than an hour and 35 miles from the launch site, the vehicle landed in a potato field. The students then used a spot GPS system, which is often used by mountain climbers, to find it.

“Everything went better than expected,” Centralia College robotics instructor and project advisor David Peterson, said. “Not only do we have some very interesting data, we have incredible pictures showing the curvature of the Earth and dramatic overhead shots of the surface.”

“Although this has been accomplished by other schools and universities, we are laying the ground-work to expand future flights, and for similar projects involving younger students in the surrounding communities,” Peterson added.

The joint project created excitement and garnered campus-wide support amongst student clubs, faculty, and the college administration. The student body and various clubs raised thousands of dollars needed to purchase the necessary equipment, which will be used again for next year’s flight.

“I’ve never seen such a wide range of students working together for a common goal,” Peterson said. “This project had the whole campus behind it.”

The students’ goals for next year are to work with long-range radio communications and to expand the atmospheric data collection. They hope to gather ultra violet light and ozone distribution information.

The students also hope to launch a balloon equipped with a remote controlled glider and cameras, and use their learned piloting skills to bring it back safely from the same altitude.

Peterson said that the college encourages students to take on projects that stretch their curiosity and desire for scientific inquiry.

These students are members of the Physics and Electronics clubs. For more information contact David Peterson at dpeterson@centralia.edu.

Overall I am exceedingly pleased with how this project turned out. From capturing pictures of the curve of the earth to getting altitude, temperature and pressure readings we were able to meet every goal we set for the mission. I am also happy with the cooperation and problem solving that was shown by the team while working through complications as they arose. – Blake Wiley, president of the college’s Physics Club

Students prepare for vehicle launch

The earth’s curve from about 90,000 feet
Two Centralia College Science, Technology, Engineering and Math (STEM) scholarship students, Christina Williams and Colleen Suter, set a major milestone for themselves and the college when they presented their capstone research projects at the Northwest Scientific Association (NWSA), 84th annual conference held in March in Portland, Ore.

This was the first time community college students have been invited to present research to the NWSA since the organization’s inception in 1923, according to Pat Pringle, Centralia College professor of geology.

“This was an incredible opportunity for the students and a huge honor for the college,” Pringle said. “It gave them an opportunity to present scientific research like students at the undergraduate level do.”

The students presented scientific research on evidence of an earthquake dating back thousands of years. Their research may even suggest findings of a mega-thrust earthquake that was previously unknown.

Suter’s research focused on evidence of the prehistoric earthquake, which may have created a massive rock slide at Washington’s Glacier Lake.

Williams’s research focused on a submerged forest located in the Puget Sound lowlands.

Using Centralia College’s tree ring labs, one of only two such labs in the state, the students analyzed submerged fossilized tree ring samples to help date their findings.

“The opportunity for scientific research (at Centralia College) has been incredible,” Williams said. “The facilities at the college rival that of many large universities.”

Williams attended Centralia College in the Adult Basic Education (ABE) program, first earning her GED, and then earning her Certified Nursing Assistant (CNA) credential. She worked several years in that field then, at age 27, returned to college and earned an associate degree in chemistry. Williams will be attending WSU-Vancouver this fall to study neuroscience.

Suter attended Centralia College as a Running Start student more than a decade ago, but due to personal issues never continued on with her education. Now at 32, she has earned her associate degree in science.

Spurred on by environmentally caused health issues and a passion for the environment, Suter will be attending The Evergreen State College to study environmental toxicology.

“The science department and faculty are incredible,” Suter said. “The encouragement and support we received made all of the difference in just how far we were able to go in our education.”

Both students are 2013 honor graduates and were instrumental in establishing the Science Club. Both were instrumental in water quality testing of China Creek as it flows through the college’s KNOLL.

“Christina and Colleen are amazing with incredible futures ahead of them,” Pringle said. “They are determined and talented students and it has been a privilege to work with them.”

(Note: In higher education, capstone courses, also known as senior seminars, offer undergraduate students nearing graduation the opportunity to summarize, evaluate, and integrate some or all of their college experience. Research projects for STEM students can also be included.)
eLearning

If you are unable to attend regularly scheduled classes on campus, an eLearning course may be a way for you to earn college credits. For the latest information check cconline.centralia.edu

WHAT DO I DO AFTER REGISTRATION?

Go to cconline.centralia.edu to access instructions on how to login to ANGEL.

eCORRESPONDENCE COURSES

eCorrespondence courses allow you to complete coursework on a self-paced schedule. There are no due dates for assignments. You have until the end of the quarter following registration to complete an eCorrespondence course. If you’re receiving Financial Aid, be sure to ask about a 2nd quarter. You can register up until the 35th class day. All of your course material will be available online, and you’ll turn in your homework online as well.

eCORRESPONDENCE AND ONLINE FEE INFORMATION

A fee of $4 per student enrolled in at least one online or eCorrespondence class will be applicable. Additionally, a $2 per credit fee will also be applied.

ONLINE CLASSES

Online courses are dynamic and interactive classrooms where you can login any time, day or night. You will have the flexibility of working in your classroom when it’s convenient for you, but there are assignments, schedules and due dates. Plan on logging in regularly to interact with the instructor and other students.

SECTION CODES

Class sections that include numbers indicate online components are part of the class.
1 = Class is fully online (An interactive virtual classroom is used to communicate with faculty and other students. There are assignments, schedules and due dates.)
2 = Class is eCorrespondence (Self-paced, no scheduled due dates for assignments. Students can enroll up until the 35th class day. All course material is online.)
3 = Class is hybrid (A portion of seat time is replaced with online interaction.)
4 = Class is web-enhanced (100% face-to-face, some files, resources or activities are online.)

For the latest information, check cconline.centralia.edu

Bookstore offers ISBN for college books, gifts and bunches of other stuff

- No Lines
- No Hassles
- No waiting
And a wide range of Blazer apparel

The Centralia College Bookstore offers more than textbooks for all classes, Blazer apparel and gifts, class materials, and supplies. Now you can use the posted ISBN number to find your textbooks online to shop around for the best price. This service assures you that no matter where you buy your textbook, as long as you shop using the same ISBN, you will know the required book for each class. Visit the Bookstore at: www.centraliabookstore.com.
### CENTRALIA COLLEGE ONLINE CLASSES
Classrooms open starting on September 23  
Instruction begins September 29  
Instruction ends December 11

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*Course requires proctored testing, for more information call (360) 736-9391, ext 374.

### LATE START ONLINE CLASSES
Classrooms open starting on September 19  
Instruction begins September 29  
Instruction ends December 4

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*Course requires proctored testing, for more information call (360) 736-9391, ext 374.
NC Machinery donates to college’s diesel program

The Centralia College Diesel Equipment Technology program received a economic boost when NC Machinery donated $10,000. The national Caterpillar Foundation will follow with a donation of an equal amount.

Miles Folks, manager of the Chehalis NC Machinery plant, presented the check. The second $10,000 check is expected soon.

“We recognize the diesel technology program at Centralia College as an outstanding training ground for students. We know that this money will be used well to further the education of students,” Folks said.

Money will be used for scholarships for diesel students and to purchase equipment and materials for student use.

“We sincerely appreciate this generous contribution to our diesel program,” said Durelle Sullivan, dean of the college’s Workforce Education. “We continue to benefit from our relationship with NC Machinery and Caterpillar; they are outstanding organizations.”

NC Machinery and the national Caterpillar Foundation have donated to the college in past years. Their contributions have allowed the diesel tech program to purchase a Freightliner truck and a surplus city transit bus, among other items, all of which are being used as training aids for the college’s diesel students.

For information on the college’s diesel program, please visit the college’s Web site.

Civil Engineering training (Continued from page 24)

from the beginning to end and this was a huge advantage.”

Kolowinski said this connection helped them to motivate each other and to work together to complete assignments.

But there was more to Kolowinski’s college career than success in the classroom (she graduated with highest honors in 2010). During her sophomore year she joined the women’s golf team where she became friends “with a super group of girls much younger than myself, and built many lasting memories.”

She said she was able to use what she learned during her time at Centralia College to have a successful career and for building blocks for further education.

After her short career in the CET field, Kolowinski went on to The Evergreen State College to earn her bachelor’s degree. She credits Centralia College for the foundation that helped her succeed in her studies.

Looking back on her time at Centralia College, she credits Jacob Lund, CET associate professor, for his support.

“Jake is personable, approachable, knowledgeable, and encouraging. To this day I correspond with him about my progress and also to see how the current students are coming along. He is one of the best instructors I have ever had. His lesson plans are well thought out and set up so that one may learn easily and be successful,” she said.

“I hope to find a career that incorporates field work, lab based studies, and independent research,” Kolowinski said. “I do know that I will continually draw upon the knowledge I gained from the (CET) program.”

e2Campus brings instant access, info to students, staff

The possibility of an emergency arising on the Centralia College campus does exist. There are situations that could arise that require all students, faculty, staff, and members of the community who might be impacted to be notified.

The college is asking people to sign up for e2Campus, the extra measure to enhance the safety of all students and employees.

In case of a campus emergency of any kind, you can be alerted fast and accurately. To sign up, go to: www.centralia.edu/admin/services/it/e2campusinst.html

Follow the prompts to set up your account.

When you subscribe, 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 emergency messages from county emergency personnel.

Payment plan may help you with your education goals

It may be the boon that helps make your goal of a college education even more affordable. Centralia College is offering its popular pay-as-you-go program, an interest-free, convenient way to make installment payments on tuition rather than a single, up-front payment at the beginning of each quarter.

The tuition payment plan allows you to make payments that are smaller and spread out over time, and provides a solid management tool. There is an enrollment fee of $15 per quarter or $45 per year for the annual plan.

Many people believe that it is easier to make a series of payments to cover college costs rather than a single, large payment.

For details on spreading out payments, visit: www.centralia.edu/students/payment.html.
Travis Kinney, 28, of Rochester, learned early in life that hard work pays. He dropped out of school and worked as a hard laborer for seven years.

“I had moments when I thought about returning to school,” Kinney, who earned his GED in 2007, said. “It was just so overwhelming trying to think how to fit work and school together.”

Even with a newfound urge to continue his education, it seemed unattainable. Kinney got married, purchased a home and needed to pay bills. He worked in construction and as an iron worker before being laid off New Year’s Eve 2009.

That layoff opened the door to a new future.

“I worked for seven years and felt like I wasn’t going anywhere,” he added. “All I knew was hard labor – which motivated me to go back to school.”

When he was laid off, he took advantage of the college’s Worker Retraining Program and enrolled in the Energy Technology – Power Plant Operations program. He earned his Associate in Applied Science (AAS) in Energy Technology, and then returned to Centralia College to wrap up his pre-engineering requirements. Later he was accepted into an electrical engineering program at WSU-Vancouver.

“Attending Centralia College has helped me realize the importance of giving back to the community,” he said. “I am a STEM scholarship recipient and am very grateful for the contributions that directly affect me.”

At the Pacific Northwest Center of Excellence for Clean Energy (PNCECE) at Centralia College, Kinney was known for being focused, dedicated and determined (skills he claims students should hone in on to be successful). He balanced his time between being a full-time student, working two part-time jobs, and helping his wife with her business. Then in his “spare time,” he led projects to help students and the college.

Kinney led 17 energy tech students to inspect areas of energy inefficiencies within the college’s Technical Building. They examined the building envelope, calculated energy consumption of the electrical loads and lighting, and submitted three levels of retrofits. The college accepted some of the suggestions, including replacing the lighting system.

Rulon Crawford, Energy Tech assistant professor and the project’s advisor, said Kinney spent at least 80 hours of his own time leading the audit and writing the report – a report that was very well received.

“He was a quiet student,” Crawford said. “Then he shined through this report and was a huge asset to the energy program ever since.”

Kinney then worked with former pre-engineering student John Hofman and Centralia City Light in coordinating the outdoor clean energy lab, located on the NE corner of the Kiser Natural Outdoor Learning Lab (KNOLL). Kinney assisted with the project design, organized volunteer labor, and finished the project by coordinating the contractor and parts needed to install six solar panels. The panels work alongside the Energy Ball in producing clean energy for the college’s KNOLL and the college itself.

Students will use this lab to learn about solar and wind generating systems for years to come – and the college will not only receive electricity from the project, it will earn a tax credit as well.

“My goal is to partner our metering system with the science department’s weather tools to offer energy production and weather information online,” Kinney said. “It will be real-time data, which will be available to all students to use for research projects.”

There’s something personal that drives Kinney’s efforts.

“I saw a lot of smart students who ‘slacked off’ and didn’t take their educations seriously,” Kinney said.

His years of hard labor taught him how to focus and be dedicated. His career pathway will include power, instrumentation and system controls.

“Higher education is important to me because I have experienced life without an education,” he added. “My parents did not emphasize the importance of going to school. Neither one of them graduated, so I felt destined to be a manual laborer. I am determined to finish my bachelor’s degree so I can provide a good life for my family. I want to give my future children a more encouraging environment to succeed.”
BEEKEEPING

Beginning Beekeeping/Apprenticeship

This class will focus on the hobby, residential and small farm beekeeper. With so many new beekeepers in this area, emphasis will be put on the seasonal care of new hives and colonies. Our style is copious amounts of networking, participation and interaction. Our focus is to tailor our discussions to your needs and questions. We have tons of examples and actual hands-on learning aids. You see, hold, analyze and feel what the books only talk about. This will give you the proactive knowledge base to keep your bees happy, productive, healthy and safe. The class is sanctioned by the Washington State Beekeepers Association. Upon completion of the course each participant will receive an Apprenticeship Certificate and patch. Instructor Tim Weible has decades of beekeeping experience. Class held at: 708 Harrison Ave., Centralia. (Centralia Deli/ Honey Hut Beekeepers Supply)

Sept 23 - Oct 28  M  7:00pm - 9:00pm   Centralia
Code 4664  Course CS 118A   $20
Sept 24 - Oct 29  T  7:00pm - 9:00pm   Centralia
Code 4665  Course CS 118B   $20

Intermediate Computer

This course is designed for students who have completed Computer Basics or have an understanding of creating and saving documents. We will continue to work with file management skills, practicing, creating, copying, moving, and deleting files and folders. You will expand your knowledge to include common tasks such as printing and moving information from one application or folder to another. Use ‘search’to find anything on your computer! We will also learn to maintain your computer and work with the Control Panel to make common personalization changes. Everyone should learn a little about navigating the Internet and how to effectively find and save information. Class taught by Amanda Warner. No Class 11/11

Night Class
Sept 23 - Oct 14  M  6:00pm-8:30pm   TEC 109
Code 4667  Course CS 152A   $50
Lifelong Learners 50+
Code 4668  Course SNRC 043A   $30

COMPUTERS

Computer Basics for Beginners

This class is for the new computer user who wants to learn about computers in an easy to understand hands-on course. You will learn to use the desktop, taskbar, scroll bars and other controls necessary to be proficient in Windows. Effectively use the basic programs to write letters and save them into organized folders you create. Learn to use flash drives so you can make information portable. Class taught by Amanda Warner. No Class 11/11

Night Class
Sept 23 - Oct 14  M  6:00pm-8:30pm   TEC 109
Code 4667  Course CS 152A   $50
Lifelong Learners 50+
Code 4668  Course SNRC 043A   $30

Intermediate Computer

This course is designed for students who have completed Computer Basics or have an understanding of creating and saving documents. We will continue to work with file management skills, practicing, creating, copying, moving, and deleting files and folders. You will expand your knowledge to include common tasks such as printing and moving information from one application or folder to another. Use ‘search’to find anything on your computer! We will also learn to maintain your computer and work with the Control Panel to make common personalization changes. Everyone should learn a little about navigating the Internet and how to effectively find and save information. Class taught by Amanda Warner. No Class 11/11

Night Class
Nov 18 - Dec 9  M  6:00pm-8:30pm   TEC 109
Code 4673  Course CS 152D   $50
Lifelong Learners 50+
Code 4674  Course SNRC 043D   $30

How to register:

• Mail in registration to Centralia College Office of Admissions and Records.
• Phone in using a credit card by calling (360) 736-9391, ext. 427 or 483.
• Fax in registration and credit card information to 330-7504.
• Walk in registration at the Office of Admissions and Records

Watch for the complete Continuing & Community Education schedule coming soon to your mailbox.

For more information, call (360) 736-9391, ext. 483 or visit www.centralia.edu/academics/cont-ed/

Microsoft Word

Designed to help you become efficient at creating, editing and saving documents. Topics include formatting, copying, selecting, and editing.

Class taught by Amanda Warner

Sept 25 - Oct 16  W  6:00pm-8:30pm   TEC 109
Code 4669  Course CS 152B   $50
Lifelong Learners 50+
Code 4670  Course SNRC 043B   $30

Microsoft Excel

Introductory class! Students will learn to create new worksheets and edit existing worksheets. Learn to input data, use auto fills to save time and improve accuracy. Students will also learn how to format data using color, fonts, size and how to sort and select data effectively. Class will also cover writing formulas and creating charts to present data.

Class taught by Amanda Warner

Nov 20 - Dec 11  W  6:00pm-8:30pm   TEC 109
Code 4671  Course CS 152C   $50
Lifelong Learners 50+
Code 4672  Course SNRC 043D   $30

PowerPoint Basic

PowerPoint Basic covers the basic functions and features of PowerPoint 2007/2010. Students will create new presentations that include text, graphics, WordArt, tables, charts, and diagrams. They will also edit and format slide content, and apply transition effects.

Instructor James Moliassa has been teaching computers for 20 years.

Sept 24- Oct 3  T Th  6:00pm-8:30pm   TEC 109
Code 4705  Course CS 152E   $50
Lifelong Learners 50+
Code 4706  Course SNRC 043E   $30

Access - Basic


Students will learn how to design and create databases; work with tables, fields, and records; sort and filter data; and create queries, forms, and reports.

Instructor James Moliassa.

Oct 15 - Oct 24  T Th  6:00pm-8:30pm   TEC 109
Code 4707  Course CS 152F   $50
Lifelong Learners 50+
Code 4708  Course SNRC 043F   $30

Windows 7

In Windows 7 students will learn how to manipulate the desktop, gadgets, windows sizes, windows locations, multiple applications, folders, libraries, files, Windows Explorer, Internet Explorer, control panel, aero features, and so much more.

Instructor James Moliassa.

Nov 5 - Nov. 14  T Th  6:00pm-8:30pm   TEC 109
Code 4711  Course CS 152G   $50
Lifelong Learners 50+
Code 4712  Course SNRC 043G   $30
CRAFTS

Silk Scarf Dyeing
Design and create beautiful 100% silk scarves using fiber reactive dyes from Jaquard. Jaquard Red label dyes have the reputation of having the richest most elegant colors. Learn new techniques with each scarf created. Supply fees $5.00 - $10.00 per scarf dyed. Students will have time to dye 2-3 scarves. Instructor Sue Wachtler. Class held at 2114 Sandra Ave., Centralia. November 7 Th 5:30pm-8:00pm Centralia Code 4637 Course CS 101A $40

Introduction to Mosaics
This introductory class in mosaics—one of the most enduring art forms in the world—includes an overview of the tools, materials, design patterns, color palettes, and gluing, grouting, and finishing techniques for doing mosaic art. Students will design and make their own mosaic creations, choosing from a variety of substrates (bases) and tesserae (mosaic materials) provided by the instructor. Previous mosaic experience is not necessary; recommended for ages 14 and up. Instructor Susan Alexander creates custom, one-of-a-kind mosaics for homes, gardens and businesses using salvaged materials, vintage furnishings, old architectural embellishments, and useful household items in her Olympia workshop and business. A $25 supply cost is payable to the instructor on the first class day.
Sept 28 - Oct 12 Sa 9:00am-12:00pm TEC 159 Code 4700 Course CS 102L $75

Holiday Mosaics
The holiday season is a perfect time to learn or brush up on your mosaic skills! Create an original, one-of-a-kind mosaic to give as a unique gift or keep for yourself to decorate your home and welcome guests. Choose from a wide selection of vintage plates, candle boxes, address plaques, picture and mirror frames, and more, all provided by the instructor—or bring your own treasure to transform. All mosaic tesserae, adhesive, grout, and supplies are also provided. Previous mosaic experience is not necessary; recommended for ages 14 and up. Instructor Susan Alexander creates custom, one-of-a-kind mosaics for homes, gardens and businesses using salvaged materials, vintage furnishings, old architectural embellishments, and useful household items in her Olympia workshop and business. A $25 supply cost is payable to the instructor on the first class day.
Nov 9 - Nov 23 Sa 9:00am-12:00pm TEC 159 Code 4710 Course CS 102M $75

DANCE

Modern Western Square Dancing
Meet FUN people in a family friendly environment. Improve your health with an American Medical Assn recognized low impact aerobic dance form. Modern Western Square Dancing is friendship set to music. Lessons are on Wednesdays from 7 to 9 PM, at the Oakview Grange, 2715 N. Pearl, Centralia. The music is modern and lessons are taught by a nationally known caller/instructor, Don Wood. FUN for all ages. Singles or couples are welcome. Our club members will be on hand to help. Come as you are. No special outfits are needed but wear comfortable shoes. Contact Mike & Marion Freels at 360-273-4884 or Larry and Andrea at 360-273-6008. We invite you to join the FUN.
Sept 25 - Dec 11 W 7:00pm-9:00pm Centralia Code 4641 Course CS 157E $50

Beginning Ballroom Dancing
Learn to glide your partner around the dance floor with style and grace. You will learn the salsa, waltz, foxtrot, swing, rumba, cha cha, tango, and nighttime two-step. Leading and following techniques and timing are stressed. Instructor Ms. Marie Kiser holds associate standing with the Imperial Society of Teachers of Dancing. Classes will be held at Flying Tiger Exercise Arts Center at 219 S. Tower, Centralia.
Sept 23 - Dec 2 M 6:00pm-7:00pm FTEAC Code 4629 Course CS 157A $55
Lifelong Learners 50+
Code 4630 Course SNRC 093A $25
Sept 27 - Dec 6 F 7:00pm-8:00pm FTEAC Code 4631 Course CS 157B $55
Lifelong Learners 50+
Code 4632 Course SNRC 093B $25

Intermediate Ballroom Dancing
For those who know the basics and want to move on to more technical steps and dance positions. This class will improve your floor craft and personal styling. Includes all dances from the beginning class, plus introduction to West Coast Swing and Samba. Classes will be held at Flying Tiger Exercise Arts Center at 219 S. Tower, Centralia. Instructor Ms. Marie Kiser.
Sept 27 - Dec 6 F 6:00pm-7:00pm FTEAC Code 4633 Course CS 157C $47
Lifelong Learners 50+
Code 4634 Course SNRC 093C $25

Advanced Ballroom Dancing
For those who love dancing and are comfortable with 7-10 patterns in most of the dances. You will learn show lines, syncopations, and continuous movement in closed and open positions. Enhances your personal style and whets your appetite for more. Will include optional dances such as Viennese Waltz and Quickstep, and others. Classes will be held at Flying Tiger Exercise Arts Center at 219 S. Tower, Centralia. Instructor Ms. Marie Kiser. No class 5/27
Sept 23 - Dec 2 M 7:00pm-8:00pm FTEAC Code 4635 Course CS 157D $47
Lifelong Learners 50+
Code 4636 Course SNRC 093D $25

DRAWING & PAINTING

Find the Artist in You: Drawing
For people who think they have no creative bones. Art isn’t about talent! It’s about sharing what we care about, what we’ve seen, what we struggle with, what we grieve, what we rejoice over, what we understand. I want to help you find your artistic voice so you can do that. Instructor Nancy Gill has 30 plus years of teaching experience. $15 supply cost payable to instructor at the first class.
Oct 2 - Nov 20 W 5:30pm-7:30pm WAH 116 Code 4643 Course CS 103A $70

Drawing from Life
Intended for the intermediate or advanced artist 18 years and older. The nude human form will be studied in several class meetings. Practice drawing using the basic elements including, line, shape, pattern, space, and value while investigating gesture, contour, proportion and form in light using a variety of materials and processes. Taught by Michael Kohlmeier. No class 11/11
Sept 23 - Dec 2 M 5:30pm-8:00pm WAH 108 Code 4644 Course CS 103B $98
Lifelong Learners 50+
Code 4645 Course SNRC 082A $55

Beginning Drawing
Learn to draw using all basic elements, including line, shape, pattern, space and value. Students will use a variety of materials and processes to explore gesture, contour, proportion and light. Taught by Michael Kohlmeier. No class 11/11
Sept 23 - Dec 2 M 5:00pm-7:30pm WAH 116 Code 4646 Course CS 103C $98
Lifelong Learners 50+
Code 4647 Course SNRC 082B $45

Five Abstract Painting Projects in Acrylic
If you’ve always wanted to try your hand at abstract (nonrepresentational) art but didn’t know where to start, here’s your chance. Class one will be an introduction to color systems, compositional basics and paint application. After that, each of the other five class meetings will work on a different project. Paintings will probably need to be finished at home. Come prepared to think outside the box. Supply list will be mailed. Jeanne Hamilton holds a Masters in Teaching. She is a retired high school art teacher and one of the founding members of ARTrails of SWW.
Sept 26 - Oct 31 Th 6:00pm-7:30pm WAH 108 Code 4642 Course CS 102E $50
Felt Painting
Using fine wool and alpaca fibers paint a beautiful delicate “painting”. A wet felting method will be used. Needle felting can be added for finishing touches. This medium is so much fun and highly successful. All levels of artists will LOVE it. Make wall tapestry or add it to a garment as embellishment. Prepare to be addicted! One or 2 pieces will be completed in the class. Instructor, Sue Wachter. Supply fee $5.00 per project finished payable to the instructor. Class will be held at 2114 Sandra Ave, Centralia.

November 14 Th 5:30pm-8:00pm Centralia
Code 4640 Course CS 101B $30

Beginning Artist Watercolor
Come explore and easily find beginning success with other beginning students. Each week basic techniques will be demonstrated and applied through practice and projects. Youth are welcome! Students under 12 must be accompanied by an adult. Each three week session during the year will present new concepts. Instructor, Sue Wachter, has been working with watercolor for 7 years and is a member of Art Trails of SW Washington. Supply cost of $20 payable to the instructor will cover all supplies needed. Class will be held at 2114 Sandra Ave, Centralia.

Oct 1- Oct 15 T 5:30pm-8:00pm Centralia
Code 4638 Course CS 102C $45

Art Project - It’s a Process
Bring a photo reference you are really excited to paint. You will learn how to take the image through a process with the goal of producing your best work. You will finish a painting using a media in which you have prior experience. Class time will be spent planning your project using thumbnail sketches, learning to use the grid method to prepare a composition, how to use artistic license and discovering the best media for optimum results. Finally you will decide on the best way to present the piece for hanging. Depending on the subject and the medium some homework may be required. Instructor, Sue Wachter. Supply cost of $10.00 is due at the first class and will cover all painting and prep supplies. Student will need to bring supplies for the media they decide to use for their finished piece. Class will be held at 2114 Sandra Ave, Centralia.

Oct 21- Nov 11 M 5:30pm-7:30pm Centralia
Code 4639 Course CS 102D $45

FIRST AID/CPR
First Aid & CPR Certification
Emergency care of an injured or ill person to prevent death or further injury, relieve pain, and counteract shock until aid is obtained. Upon completion, students receive Community First Aid and CPR cards. This course includes certification for adult First Aid CPR. No refunds will be given if you do not withdraw at least 24 hours before the start of class. Cost for each class is $60

Saturdays
September 14 Code 4609 Course CS 107B HWC 106 $60
October 12 Code 4660 Course CS 207C $60
Nov 9 Code 4661 Course CS 207D $60
Dec 7 Code 4662 Course CS 207A $60

FITNESS
Tai Chi Daytime
T’ai Chi is a centuries old Chinese form of exercise characterized by slow, graceful movements of a gentle, non-impact nature. Taught by Russell Barr. No class 11/11

Sept 23 - Dec 2 Code 4617 Course CS 129A HWC 200 $54
Lifelong Learners 50+ Code 4618 Course SNRC 090A $35

Cardiac Capri Rehabilitation
Capri is a medically supervised exercise class for individuals who have had a heart attack or are at high risk of heart disease. Individuals with pulmonary disorders are also encouraged to participate. Class will be taught by Jana Dean for more information on the class please contact Jana at 748-6892. No class 11/11

Day Classes
Sept 23 - Dec 6 Lifelong Learners 50+ Code 4624 Course SNRC 096A $42
Lifelong Learners 50+ Code 4625 Course SNRC 096B $42
Night Classes
Sept 23 - Dec 6 MF 6:00pm-6:50pm HWC 125 $42

Beginning-Advanced Tae kwon-do
Multi-level classes for men, women, and young adults (ages 16 and up) providing excellent exercise, body conditioning and mental discipline. Basic through advanced Karate techniques and forms required for advancement from white belt through black belt. Helps develop self-confidence, balance, and self-defense. Associated with Northwest Tae kwon-Do Association. Taught by Larry Grove. No class 11/11

Sept 23 - Dec 2 Code 4621 Course CS 129B $69
Intermediate Code 4620 Course CS 129C $69
Advanced Code 4621 Course CS 129D $69

Senior-Friendly Tai Chi, Wu Style
Learn the slow and graceful movements of Wu style T’ai Chi in an approach designed for the abilities of mature adults. Tai Chi has been shown to improve balance, coordination, and lower-body strength and lead to deep relaxation. Instructor Margaret Rader has been studying Tai Chi for the past 8 years. No class 11/11

Sept 23 - Dec 2 MW 2:00pm-2:50pm HWC 200 $35
Lifelong Learners 50+ Code 4622 Course SNRC 090B $35

Senior-Friendly Tai Chi, Wu Style Level 2
For students who have taken at least two quarters of Senior-Friendly Tai Chi and who would like to learn the entire Wu-style long form. We will also emphasize exercises to increase strength, flexibility and deepening intent and relaxation. Students who have not completed two quarters of Senior-Friendly Tai Chi but have studied Tai Chi with other teachers or another movement art may register with permission of the instructor. Instructor Margaret Rader has been studying Tai Chi for the past 8 years. Class will be combined with level 1. No class 11/11

Sept 23 - Dec 2 MW 2:00pm-2:50pm HWC 200 $35
Lifelong Learners 50+ Code 4623 Course SNRC 090C $35

FLAGGER
Flagger Training & Certification
Upon successful completion of this course, taught by Rich Bunker, Master Instructor, American Traffic Safety Services Association, You will be taught professional flagging techniques and proper work zone set-up in accordance with standards and guidelines of the Federal Manual on Uniform Traffic Control Devices (MUTCD), Washington State Department of Transportation (WSDOT), and the Department of Labor and Industries (L&I) Washington Administrative Code pertaining to flagging and temporary traffic control. Students passing the demonstration portion and 50 question exam will receive the Washington State Flagger Certification Card accepted in Washington, Oregon, Idaho, and Montana, and the American Traffic Safety Services Association (ATSSA) National Flagger Certification Card accepted in most other States. Course includes references to the ATSSA flagging work book, MUTCD, work shops, flagging demonstration, video, and powerpoint presentation. Successful completion of course certifies students for a period of three years. No refunds will be given if you do not withdraw at least 24 hours before the start of class. Cost for each class is $55.

Saturdays
September 14 Code 4601 Course CE 200B $55
October 5 Code 4615 Course CE 200C $55
November 2 Code 4616 Course CE 200D $55
December 7 Code 6600 Course CE 200A $55
HEALTH & WELLNESS

Healing Body, Mind & Spirit
The Human Energy Field is discussed and described in terms of acupuncture meridians, chakras (energy centers on the body), and the five energy bodies. Learn about Reiki and Healing Touch for accelerated physical healing; Emotional Freedom Technique (EFT) and Regression Therapy for release of emotional issues; and Inner Light Consciousness (ILC) Meditation, Life Between Lives Therapy, Trans-Scalar Healing and Spiritual Journeys for spiritual exploration and development. No prior experience necessary. Taught by Howard Batie at Evergreen Healing Arts Center in Chehalis. See www.howardbatie.com for driving directions or call 360-219-8512.

- Sept 15 - 29 Sa 9:00am-5:00pm Chehalis
  Code 4701 Course CS 209A $110

- Reiki Level I for Caregivers
This all-day Reiki I class provides the instruction and attunements for Reiki Level I that will teach you how to transfer healing Reiki energies directly to another person for restoring health and balance on all levels. No prior training required. Instruction and certification is provided by Reiki Master-Teacher Howard Batie. Class will be held at Evergreen Healing Arts Center in Chehalis. See www.howardbatie.com for driving directions or call 360-219-8512.

- Trans-Scalar Healing (Practitioner Training)
In this highly experiential course, you will be taught how to (1) generate higher-dimensional Scalar healing energies within your own aura for self-healing, (2) rise into a higher spiritual state of awareness and call on the Higher Self of your client, and (3) call on your White Light Angels to assist you as you step into your own Mastery as a Spiritual Healing Practitioner and provide healing energies from The One Infinite Creator for healing both your client and Mother Earth. This technique has provided stunningly effective results for Remote Healing and can significantly accelerate your own spiritual and intuitive abilities. No prior remote healing experience is necessary, but would be helpful. Taught by Howard Batie at Evergreen Healing Arts Center in Chehalis. See www.howardbatie.com for driving directions or call 360-219-8512.

- Nov 10 Sa 9:00am-5:00pm Chehalis
  Code 4703 Course CS 207B $85

- Myths of Aging and the Art of Staying Young
Imagine being able to look, feel and act younger and remain more youthful and more resilient in mind and body. Learn how you can harness and apply the unlimited and amazing powers of your mind to your advantage and overcome the cultural mythology, and socially conditioned hypnosis of entrenched belief that we must decline and become less healthy the longer we live and learn how to design and experience a different future. Discover the connection of mind and body and how they influence one another. Do a simple graphic display with rocks and stones that provides amazing insight about your relationships with yourself, family, friends, hobbies, work, and other relationships and what it means to your own health and wellness. Learn how to stay young and live each day with dynamic vitality using an integrated plan using guided imagery, self-hypnosis, meditation, gentle stretching exercises, nutrition, acupuncture, facial massage, aromatherapy, and other simple techniques. Taught by Anne Grumbles.

- Oct 3 - Oct 24 Th 6:00pm-8:30pm NSC 107
  Code 4675 Course CS 208A $45

MUSIC

Learn to Play Guitar in a Day!
This is a one day workshop for busy adults that would like to play guitar but just do not have time for weekly lessons. Students will learn basic chords, simple strumming and picking patterns, play familiar songs, tuning techniques, guitar care, music theory, music resources, performance skills and more. Students provide their own acoustic guitar. $30 fee payable at class for “Learn to Play Guitar in a Day”. Book and the Snark electronic tuner. Instructor, Marlene Hutchinson has over 35 years of experience playing guitar.

- October 19 Sa 10:00am-3:00pm WAH 109
  Code 4678 Course CS 161A $79

Community Band
Lewis County Community Band offers performance experience for band instrumentalists, college students, and community adults. Provides opportunity to improve technical and musical skills, as well as community service when possible. If you would like to join but do not have an instrument, some are available through the college for a rental fee of $15 per quarter. Directed by Louie Blaser.

- Sept 24 - Dec 3 T 7:00pm-9:00pm WAH 150
  Code 4613 Course CS 163A $25

Pacific Northwest Chamber Orchestra
The orchestra provides performance experience for any high school, college or adult community string musician. Players will be seated by the conductor through audition at the first rehearsal. Please prepare a short excerpt to demonstrate your skill. Sight-reading will be required. In addition to the regularly scheduled Monday evening rehearsal, additional sectional rehearsals may be scheduled as needed. Musicians must supply their own instrument. Supported in its activities by the Pacific Northwest Orchestra Association. Conductor David Judd. No class 11/11

- Sept 23 - Dec 2 M 7:00pm - 9:00pm WAH 150
  Code 4614 Course CS 163B $25

RIVER RAFTING

Introduction to Guiding a River
If you are an outdoor enthusiast looking to broaden your knowledge base about whitewater rafting, than this is the class for you. You’ll learn the basics about river guiding such as equipment handling & rigging, paddle commands, over board rescue techniques, river terminology, avoiding river dangers & portage, launch & take-out procedures and much, much more. Once we review the course curriculum and cover safety information, we’ll be rafting down the Wenatchee River on Saturday & Sunday. Facilitation will be provided by our most senior, knowledgeable Whitewater Guide Facilitators. All necessary equipment is provided for use during the course including: professional boats, wetsuits, guide paddle, river booties, PFD, dry bags and transportation to the launch point from Cashmere Riverside Park. All participants must complete a Blue Sky Outfitters Liability Form prior to the class start date in order to attend. Transportation to the class meeting site of Cashmere Riverside Park is not provided. Drive time from Centralia is about 3 ½ hours, directions and map will be provided along with information for camping and lodging accommodations. Lunch on the river will be included on both days. This course is presented by Blue Sky Outfitters, Inc. of Seattle. www.blueskyoutfitters.com

Register by August 19 for:

- Aug 24 & 25 Sa & S 9:00am - 4:00pm Wenatchee River
  Code 4711 Course CS 128E $195

Register by September 17 for:

- Sept 21 & 22 Sa & S 9:00am - 4:00pm Wenatchee River
  Code 4712 Course CS 128F $195
SCUBA DIVING

Scuba Diving

Basic scuba instruction leading to ability to receive certification by the Professional Association of Diving Instructors (PADI). Diving skills like buoyancy control, equipment usage and diver safety will be covered. The class will be taught in a classroom at the college Monday evenings and every other Wednesday at the indoor pool in Centralia. Students need the following: mask, snorkel, boots and fins (OR students can purchase these items in a package for $150.00). The rest of the scuba gear will be provided at the pool. Students are responsible to purchase a PADI Open Water Crew Pack with RDP for $50. Instructor Janet McIntosh has been teaching scuba diving and working in the scuba industry for more than 8 years. She has 1000 certifications of which about 300 are open water. She currently manages Underwater Sports in Olympia. Prerequisite: Basic level swimming skills.

Classroom: No class 11/11
Oct 7 - Dec 9 M 7:00pm - 8:00pm WAH 113
Indoor Pool: W 6:00pm - 8:00pm Centralia
Oct 16, 30, Nov 6, 20 & Dec 4
Code 4666 Course CS 128D $225

SEWING

Serger Basics – Level 1

All the basics to get you started! Get comfortable using your serger in this hands-on class. Learn to thread your serger and change stitch settings. Designed to acquaint you with basic serging techniques, this project features four-thread overlock, three-thread overlock and a three- or two-thread rolled hem. At the end of class you’ll have a little zipper bag for storing your accessories! We will also alter ready to wear T-shirts and an infant onesies with the “lettuce leaf edge”. Instructor, Merry Noel Marienthal. Class held at 1000 Kresky Ave. Suite H. Supply list will be mailed to you.

Oct 12 & 13 Sa & S 1:00pm – 5:00pm Centralia
Code 4709 Course CS 146B $35

SIGN LANGUAGE

Beginning American Sign Language

This course will focus on brief historical overview of the Deaf culture in America, building a signing vocabulary and communication skills including fun, interactive games, and providing practical opportunities to use learned sign language skills with Deaf in our community at local events. Interested persons need to commit to attending all classes and attending at least one local event. In-class participation is a MUST. Students will need pens/pencils, notebook paper and a 1” 3-ring binder. Textbook will be provided by the teacher. Instructor Julie Lobaugh has 15 years experience signing and has taught sign language at a variety of venues.

Sept 23 - Dec 2 T 6:00pm-8:00pm WAH 113
Code 4679 Course CS 238 A $50

STAINED GLASS

Stained Glass – Lead & Foil

Learn all the techniques to make and complete your first stained glass panel. Class covers selecting design, building basics, soldering, and finishing techniques. Equipment provided by the instructor. Students will purchase their supplies from the instructor at class. Glass supplies will cost approximately $100-$120, payable to the instructor. Taught by Karen Milton, a 30-year veteran of stained glass work. Class will be taught in Rochester at 18245 Irwin St SW at Karen’s shop. Call for directions 273-6562 Please bring a fine or medium black sharpie to class. If students have other supplies please bring them but please do not purchase any for the class. The instructor will have tools available for use during class time. Students may bring a sack lunch or snack to the day classes.

Day class:
Sept 18 - Oct 16 W 11:00am-2:00pm Rochester
Code 4682 Course CS 102F $107
Lifelong Learners 50+
Code 4683 Course SNRC 081K $54
Oct 23 - Nov 20 W 11:00am-2:00pm Rochester
Code 4684 Course CS 102G $107
Lifelong Learners 50+
Code 4685 Course SNRC 081L $54
Dec 4 - Jan 15 W 11:00am-2:00pm Rochester
Code 4686 Course CS 102H $107
Lifelong Learners 50+
Code 4687 Course SNRC 081M $54

Evening class:
Sept 26 - Oct 24 Th 6:00pm-9:00pm Rochester
Code 4688 Course CS 102J $107
Lifelong Learners 50+
Code 4689 Course SNRC 081N $54
Nov 7 - Dec 19 Th 6:00pm-9:00pm Rochester
Code 4690 Course CS 102K $107
Lifelong Learners 50+
Code 4691 Course SNRC 081O $54

Stained Glass Workshops

No experience needed! Beginners Welcome! Do you want to try your hand at stained glass? Do you like quick projects? One or two day workshops are a great way to “sample” stained glass and create a project to keep or give as a gift! Material cost listed below. Instructor Karen Milton. Class will be taught in Rochester at 18245 Irwin St SW at Karen’s shop.(brackets indicate supply cost)

Pocket Vase - Wall Hanging($10)
September 19 Code 4694 Course CS 101L $25
Windchimes ($15-$25)
September 18 & 25 Code 4698 Course CS 101P $35
Windchimes ($15-$25)
October 9 & 16 Code 4697 Course CS 101O $35
Fused Dichroic Bracelet/Pendant ($8 each)
October 14 Code 4695 Course CS 101M $25
Beveled Cross ($15)
October 28 & Nov 4 Code 4696 Course CS 101N $35
Fused Dichroic Bracelet/Pendant ($8 each)
November 6 Code 4693 Course CS 101K $25
Angel ($12-516)
November 9 Code 4699 Course CS 101Q $25

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**MORTON – BUSINESS**

**Microsoft Excel – Brief**
- Code 3739 SMGT 120R (2) 11:30am-130pm Th MOR 112 Cantin
  - Courseware incorporates an accelerated, step-by-step, project-based approach, students develop an introductory level competency in Excel learning to create, edit, format, and add special features to spreadsheets. Prerequisite: some computer experience. Lab fee $3.13.

**Computer Keyboarding**
- Code 3740 SMGT 157R (2) 12-1pm TTh MOR 112 Cantin
  - Beginning keyboarding. Upon completion of this class, students should be able to type at 20wpm. Lab fee $3.13.

**Microsoft Word**
- Code 3741 SMGT 197R (3) 1-3pm Th MOR 112 Cantin
  - Courseware incorporates a step-by-step, project-based approach, to develop competency in Microsoft Word learning to create, edit, format, and add graphics to documents. In addition to effectively plan, research, write and publish documents. Prerequisite: General understanding of personal computers and Windows. Lab fee $3.13.

**Microsoft PowerPoint**
- Code 3742 SMGT 298R (3) 1-3pm T MOR 112 Cantin
  - Courseware incorporates a step-by-step, project-based approach, to develop competency in Microsoft PowerPoint learning to create, edit, and format professional presentations using tables, graphics, sound, animation, SmartArt and other common features. Lab fee $3.13.

**COMMUNIY EDUCATION**

**MORTON – SPECIAL INTEREST**

**Fitness for Health**
- Code 3186 ASI 012R (1) 4-4:50pm MW MOR 108 Lund
  - Designed to help improve the five areas of health-related physical fitness-cardiovascular endurance, muscular strength, muscular endurance, body composition and flexibility. Participants will be encouraged to work at their own level of fitness. Lab fee $5.

**Better Bones and Balance**
- Code 3187 ASI 015R (1) 9:30-10:30am TTh MOR 108 Doolittle
  - Reap the benefits OSU Bone Research studies have shown: this exercise program can significantly slow loss of bone density in adults of all ages as well as improve balance, flexibility, coordination, muscle tone and overall body fitness. Class fee $25.

**Computers I – For the Fearful**
- Code 3188 ASI 020R (1) 9:30-10:30am TTh MOR 108 Burres
  - If computers intimidate you, this is the class for you! Become familiar with the parts of a computer and terminology used to talk about them. Produce a few documents and learn about the programs that come with windows. Class fee $27. Class meets 9/24-10/3.

**Computers II**
- Code 3189 ASI 021R (1) 4-4:50pm MW MOR 108 Burres
  - Become familiar with the Windows Help system, My Computer, Control Panel and other exciting features of the operating system. Prerequisite: Computers I - for the Fearful - Windows. Lab fee $7. Class meets 10/8-17.

**Computers III – For the Fearless**
- Code 3190 ASI 022R (1) 4-4:50pm MW MOR 108 Burres
  - Put the skills learned in the first two Fearful classes to work using Microsoft Word. Format a letter, make a flyer, and use Clip Art. Class fee $27. Class meets 10/22-31.

**Art Exploration: Making Faces, Making Masks**
- Code 3192 ASI 020R (2) 12:30-1:30pm MW MOR 101 Cantin
  - Discover and explore works of art through slide lectures, seminars, and creative hands-on art activities. Our special focus will be faces, masks, and body ornaments as seen through the eyes of artists from around the world. Class fee $51.
Young actor follows her dreams, claims center stage in Shakespeare Festival

by Marlo Faulkner

Katie Medford thinks big for a young actor. Over her young acting career, including her stage debut at Centralia College, she has demonstrated the stage skill that easily backs her up. Reared in Pe Ell, Washington, she attended K-12 in the district’s central school building and worked her way through her first three years of college at a gas station quick mart.

“I entered Centralia College with general education/communications focus,” Medford said. “I wasn’t sure what I wanted to do except that I knew I wanted to work with people. A friend invited me to her audition for the college’s musical comedy, Little Shop of Horrors, in the theater department. It looked like fun so I auditioned, too. I didn’t make the show but I loved the process. I changed my major to theater.”

Medford had sung in her church choir and knew she was a mezzo-soprano with a wide vocal range. With a good voice and a new focus, she dove into classes with Brian Tyrrell, professor of dramatic arts.

“He taught me that theater wasn’t a game,” she said. “If I were serious, I’d need to choose to grow. I chose theater.”

The switch gave her passion for what she said was her calling.

“It took me three years to complete my degree,” Medford said. “I wanted to do it right.”

After she received her degree in 2005, she took three years off to earn money to pursue a bachelor’s degree.

“I didn’t want to be burdened by loans. I’m a pay-as-I-go student.”

Not afraid of hard work, she went back to the gas station market: cooking, cleaning and running the cash register.

Concurrently, she took a job as a juvenile detention officer for Lewis County. “It was a hardening experience,” Medford said. “It was not my world.”

Her life changed when she took a spring road trip to Moscow, Id., to visit theater friends from Centralia who were majoring in theater.

“When I saw the depth of their journey from what we had accomplished to their continued growth at the University of Idaho, I was blown away,” she said. “I had to be there. I arranged for the required audition for admission to theater studies leading to a Bachelor of Fine Arts.” She was accepted.

At the University of Idaho, she studied everything from ancient comedy to the modern Stanislavsky Method.

“It was all about craft,” she said. “We explored character. We pushed ourselves. We learned to be resourceful, to focus, to communicate.”

The University of Idaho holds the prestigious Rex Rabold Drama Fellowship offering an expense-paid year at the Shakespeare Festival in Ashland, Ore. The winner is assured of speaking parts and understudy roles for the season. Medford applied and came in second.

She also auditioned for the American College Theater Festival and was chosen to apprentice at Actor’s Theater in Louisville, Ky.

“I had studied drama theory and plays of John Jory with Brian Tyrrell. Jory was my director in Louisville and we did one his plays. I couldn’t believe this was happening to me,” Medford said.

While in Louisville, she received a call telling her she was still eligible for the Rabold Fellowship the first year after graduation.

“I couldn’t make the audition. I was still in productions in Louisville,” she said. She sent a video and was later notified that she won and would be the 2013 Rex Rabold Fellow.

“It felt as if I’d been hit upside the head with a ‘lucky’ stick,” Medford said.

Medford arrived in Ashland in February to begin her fellowship with the Oregon Shakespeare Festival. She will be in a world premier play, The Tenth Muse, (July 24th-Nov. 1), and is understudying three parts in My Fair Lady, (through Nov. 2).

It has been a series of giant steps for Medford who has progressed from Pe Ell to Centralia College, to the University of Idaho, to the Rex Rabold Fellowship, and the Oregon Shakespeare Festival.

“After all,” she said, “I am a professional, an actor, a professional storyteller. I go where the story takes me.”
Ryan Smith, BASM student, sees benefits to new degree

By Edward Riley

Students in the Centralia College bachelor's degree program are already reaping benefits from their academic endeavors.

Over the past year, several students in the Bachelor of Applied Science in Management (BASM) program reported that they received job promotions since entering the year-old BASM program. There is now another student who expects to be added to that list, Ryan Smith.

After leaving his job as a 9-1-1 dispatcher several years ago, and then working for multiple companies in the area, Smith is now in the technical support department at Pace Edwards, a local after-market truck accessories company.

“I’m excited to be working with Pace Edwards,” said Smith. He credits his enrollment in the BASM program for helping him land the position with Pace Edwards, which also provided a pay increase. “It’s closer to home than my last job, and there is opportunity for growth within the company, especially since I’ll have my bachelor’s degree next year.”

Though Smith and his wife Kalea have had challenges while he attends college, both work full-time with a one-year-old at home, they feel that the sacrifices are worth it.

“When we first heard about the BASM program, Kalea pushed me to do it,” Smith said. “She saw the big picture and how this will bring long-term benefits and security to our family.”

The first year of the BASM program has proven to be a huge success for Centralia College and the community. The first cohort of students has surpassed expectations with every student returning for the second and final year of the program, according to Larry McGee, executive director of Centralia College’s BASM program.

“This kind of student retention demonstrates the value in the program,” McGee said. “The need for this program in the community is without question.”

The second cohort of BASM students has now been chosen for fall 2013.

“The quality of students is excellent and because of the success of the first year, we now have students on a wait list,” McGee said. “Several students in the second year’s cohort are related to students in the first year’s cohort. That says a lot about the students’ respect for the program.”

“The need for the BASM program was evident in the support from the community. Businesses stepped up with financial support and opportunities for future internships,” said BASM organizational behavior instructor Dr. Atara MacNamara.

“Our job is to supply high quality graduates to fill the need for a better educated workforce so employers won’t have to look outside the community to fill management and supervisory positions,” MacNamara said.

Because of an identified need and the success of the initial bachelor’s degree offering, the college is planning to roll out a Bachelor in Applied Science in Diesel (BASD) program in fall 2014.

The diesel technology bachelor’s degree program is expected to draw students from a multi-state region.

Individuals who want information on the bachelor’s program in management or in diesel technology are urged to contact McGee at 360.736.9391, ext. 432. Keep in mind that the fall quarter 2013 cohort for BASM is accepting names to be placed on a wait list.

By Edward Riley
Worker Retraining at Centralia College

Unemployed? Facing Layoff?

Do I qualify for Worker Retraining funding?
• Receiving unemployment insurance?
• Received benefits within the last 24 months?
• Facing layoff?

Getting started
Worker Retraining staff members are here to assist you each step along the way. They will help you with the paperwork needed, applications to file, getting it to where it needs to go, information required to coordinate financial aid, degree progress, and unemployment benefits and requirements.

Worker Retraining benefits
The Worker Retraining program at Centralia College may pay for your tuition, books, required supplies, and some other expenses to eligible students in combination with other funding sources.
• Training is based on jobs that are in demand.
• Counseling is available to find your occupational interest.
• You can start without a GED or high school diploma.

You can take classes on our main campus in Centralia, and at Centralia College East in Morton. You can earn a degree in two years or earn a certificate in a variety of Workforce Education fields in less time. Classes are delivered in various formats: lecture, online, or correspondence. We can help you get started again with our quality education and caring faculty and staff.

Centralia College may provide:
• Career Planning
• Assistance with Employment Security Department Applications
• Coordination with WorkSource Agencies
• Assistance with Financial Aid Applications
• Financial Assistance to eligible students
• Job Search Support
• Placement Assistance
• We may be able to help with the cost of GED tests

Get the Skills You Need
• Accounting
• Civil Engineering
• Computer Science
• Diesel Technology
• Electronics, Robotics and Automation
• Medical Assistant or Administrative Assistant
• and more (demand programs may change)

Centralia College
• Worker Retraining
• BFET (Basic Food)
• WorkFirst

Contact Worker Retraining
Intake Center, Kemp Hall Room 120, on the main campus
(360) 736-9391, ext. 385, 793, or 770
From Olympia 753-3433, ext. 385
600 Centralia College Blvd, Centralia WA 98531