LOWER COLUMBIA COLLEGE

The Smart Choice!

FALL 2014 CLASS SCHEDULE

FALL CLASSES BEGIN SEPTEMBER 22
What’s News
Coming Events .............................................. 24
Dates & Deadlines ............................................. 4
Diversity Classes ............................................... 14
Learning Communities ....................................... 10
Online Learning ............................................... 12

How to Enroll
Bookstore Information ....................................... 18
Campus Map .......................................................... 47
Financial Aid .......................................................... 7
College Services Information .................................... 46
Online Registration & Payment .................................. 5
Registration, Step by Step ......................................... 4
Tuition & Fees ......................................................... 6

Fall Classes
Accounting ........................................................... 15
Allied Health .......................................................... 15
American Sign Language ......................................... 15
Anthropology ......................................................... 15
Art ................................................................. 16
Astronomy ........................................................... 16
Automotive Technology ........................................... 17
Biology ............................................................... 17
Business Administration .......................................... 17
Business Technology .............................................. 18
Chemical Dependency ........................................... 19
Chemistry ........................................................... 19
Chinese ............................................................. 20
College Success .................................................... 20
Computer Science ................................................ 20
Cooperative Education .......................................... 21
Criminal Justice ..................................................... 21
Dance ............................................................... 21
Diesel/Heavy Equipment ......................................... 21
Technology ........................................................ 21
Drafting .............................................................. 21
Drama ............................................................... 22
Early Childhood Education ....................................... 22
Earth Science ....................................................... 22
Economics .......................................................... 22
Education ........................................................... 22
Engineering ........................................................ 23
English .............................................................. 23
Environmental Science .......................................... 26
Fire Science ........................................................ 26
Geology ............................................................. 26
Health ............................................................... 26
High School Completion ......................................... 27
History .............................................................. 27
Home & Family Life .............................................. 27
Human Development ............................................... 27
Humanities ........................................................ 27
Individualized Certificate ........................................ 28
Learning Commons .............................................. 28
Library ............................................................... 28
Machine Trades .................................................... 28
Manufacturing ...................................................... 29
Mathematics ........................................................ 29
Math Achievement Center ....................................... 30
Medical Assisting .................................................. 31
Music ............................................................... 31
Nursing .............................................................. 32
Nutrition ............................................................ 32

LCC Office Hours
Summer Office Hours
Closed Fridays, July 7–August 29
Regular Hours: Monday–Friday, 8 a.m.–5 p.m.
Registration and Entry Center
Monday–Thursday ................................................. 8 a.m.–5 p.m.
Fridays ............................................................... 10 a.m.–5 p.m.
Cashiering
Monday–Thursday ................................................. 8:15 a.m.–4:30 p.m.
Fridays ............................................................... 10 a.m.–4:30 p.m.
Financial Aid hours are the same as Registration, except
Wednesdays, when professional staff are only available from
11 a.m. until 2 p.m.
Student staff can provide limited assistance the rest of the day.
Limited help hours give professional staff uninterrupted time to
process aid requests and do necessary federal and state reporting.
September 8-11 & 15-18 (Monday-Thursday)
Advising, Financial Aid, and Registration will stay open until
6 p.m. to serve you. Cashiering will stay open until 5:30 p.m.

Equal Opportunity, Affirmative Action,
and Reasonable Accommodation

It is the policy of Lower Columbia College to provide equal
opportunity in education and employment regardless of sex,
race, color, marital status, creed, age, national origin, sexual
orientation, veteran status, religious preference, or the presence
of any sensory, mental, or physical disability.

Lea esta política en español al:
lowercolumbia.edu/affirmativeaction

The Title IX Equal Opportunity Officer and Section 504 Disability
and ADA Coordinator is Lisa Matye Edwards. Her office is in the
LCC Admissions Center, Room 159; her telephone number is
360.442.2301.

To request accommodations for a disability in the application
process, students should contact the Disability Support Services
office in Admissions Center Room 143 at least three days in
advance: voice 360.442.2341, TTY 360.442.2344, or email
mjasurda@lowercolumbia.edu.

Alternative format of this document is available upon request.
Please contact Disability Support Services.

About This Schedule:
Every effort is made to ensure that the information in this course schedule is
accurate at the time of publication. The College reserves the right to change
this class offerings as necessary. For the latest information, please check the online
class schedule at lowercolumbia.edu/classes

LCC mails class schedules to all households in Cowlitz County four times each year
to inform residents about college programs and services. Because they are
addressed to “Residential Customer,” we are unable to remove individuals from
our distribution route. Schedules can be recycled with your newspapers.

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Street, Longview, WA 98632-0310.
Prepare For High Demand Jobs In Emergency Management

In any emergency, trained professionals are needed to help preserve life and property and to ensure short- and long-term recovery. The Lower Columbia College Homeland Security Emergency Management (HSEM) degree program, offered in collaboration with Pierce College, trains adults to oversee emergency planning and training programs, coordinate disaster response and recovery efforts, and navigate the administrative and technical demands of disaster and emergency management efforts.

Classes Available Online and On Campus

Upon successful completion of this program, students earn an Associate in Arts transfer degree from LCC. HSEM courses are offered online while the general education requirements for the degree are available through LCC in a variety of delivery formats including in a traditional classroom setting, through a hybrid model of classroom and online studies, or completely online. Flexible class offerings are designed to meet the schedules of full-time students and working adults who desire to supplement their existing career in law enforcement, fire safety, private security or a related field with additional skills and a degree.

Program courses cover:
- National Incident Command Systems
- Emergency Policy, Planning & Management
- Training & Exercise Design
- Hazard, Risk & Vulnerability Assessment
- Preparedness, Mitigation, Response and Recovery
- Cultural, Environmental & Socioeconomic Diversity
- Volunteer & Resource Management
- Administration & Public Information Management
- Critical Thinking and Decision-making Skills
- Special topics and Internships in existing Emergency Management operations

Trained Emergency Specialists In High Demand

Emergency managers provide a guiding hand in preparedness, mitigation, response, and short- or long-term recovery from emergencies, disasters or other events. They are needed in all government agencies, as well as in business and industry, medical and emergency services, non-profit organizations and many other employment fields.

The Federal Department of Labor identifies homeland security as a “high-demand field,” one that requires a large number of trained professionals. The Bureau of Labor Statistics predicts a 22% increase in specialist positions in emergency management by 2020.

Additional information about the Homeland Security Emergency Management degree is available at lowercolumbia.edu under the Programs of Study link or from program advisor David Rosi, drosi@lowercolumbia.edu

Host an International Student!

If you have a spare room and an open heart, you can provide a home away from home for an international student in our community. As a host, you’ll provide room & board and friendship for a student studying at LCC. You’ll learn about different cultures while sharing a slice of your American life. Host families come in all shapes and sizes and receive a monthly stipend. For more information, visit lowercolumbia.edu/international or email international@lowercolumbia.edu
HOW TO REGISTER

Go to lowercolumbia.edu/registration to access the following steps

**Current Students**

Registration begins June 2, for students who have attended LCC within the last year.

1. **Find out your earliest registration date/time** online at lowercolumbia.edu. Student ID Number and Global PIN required.
2. **Meet with your program advisor** to plan your class schedule and get your Quarterly Registration PIN. If you have not received an email listing your program advisor, contact the Entry Center.
3. **Register** online or in person at Registration. Students taking more than 18 credits must register in person.
4. **Pay your tuition and fees** by Friday of the week you register. You may pay online with a credit or debit card or in person at the Cashier. See Delayed Tuition Payment options on page 7.

**Which PIN Do You Need?**

- **Global PIN**—Received from Registration. Use to log in for most online services.
- **Quarterly Registration PIN**—Received from your advisor before priority registration; also online during open registration. You need a new one each quarter to register for classes.

**New Students**

Registration begins June 9 for new students. Staff assistance and computers are available in the Student Center.

1. **Apply for admission**
   Online or in person at the Entry Center.
2. **Apply for financial aid, if needed.**
   Go to lowercolumbia.edu/finaid for instructions and forms. More information on page 7.
3. **Determine your program**
   Visit the Career Center to take an interest assessment, explore careers, and access career resources. The results will help you choose a program leading to a career that is right for you. At the Center, or from your own computer, print out a copy of the program planner(s) for the program(s) of study that interest you. Go to lowercolumbia.edu/programs.
4. **Practice and take a placement test**
   Students planning to earn a degree or certificate or transfer to a four-year institution need to have skill levels assessed before registering for classes. Placement assessments are given at the Admissions Center testing lab. Testing takes approximately three hours. Recommendations based on your results help you select the right classes. Find practice materials online.
5. **Sign up and attend orientation for advising and to register**
   Make an appointment by contacting the entry center. Advisors will be available and you can also register for classes during orientation. Do some advance planning: bring your program planner(s) and placement test scores, browse the online class schedule, and map out the time you have available for classes and studying.
6. **Pay your tuition and fees** by 5 p.m. Friday of the week you register. You may pay online with a credit or debit card or in person at the Cashier in the Admissions Center. If you need more time to pay, see Delayed Tuition Payment options on page 7.

**Fall Dates and Deadlines**

Priority Registration for Fall begins ......................... June 2
Open Registration for Fall begins ............................. June 9
Priority application deadline for Fall financial aid ...... August 11
Last day to arrange Fall Administrative Hold........... September 2
Fall tuition deferment payment due..................... September 16
First day of classes ........................................... September 22
Last day of online registration .............................. September 24
Last day for 100% tuition refund......................... September 26
Last day for 50% tuition refund........................... October 10
Last day to apply for Fall graduation .................... October 21
Veterans Day holiday ........................................ November 11
Last day to withdraw from classes........................ November 14
Thanksgiving Holidays ................................. November 27–28
Last day of Fall classes ...................................... December 5
Fall finals ....................................................... December 9-11

Questions? Contact the Entry Center, entry@lowercolumbia.edu, phone 360.442.2311 or toll-free 1.866.900.2311.

Class Full? Get on the Waitlist!

When a class is full, you may choose to be added to the waitlist. If openings occur through the third day of the quarter (September 24), you’ll be automatically moved from the waitlist into the class. Only students on the waitlist may fill open seats.

Being on the waitlist does not guarantee that you’ll get in, or that a new section will be made available. Tuition and fee charges will not include waitlisted classes until you are registered in them. Check your waitlist status at lowercolumbia.edu/online-services
ONLINE REGISTRATION & PAYMENT

Go to lowercolumbia.edu/registration to access the following steps

1. Check Your Registration Date and Time
Choose registration date/time. Log in with your Student ID Number and Global PIN. Schedule an appointment and meet with your Program Advisor 1-2 weeks before you register to select your classes and receive your Quarterly Registration PIN.

2. To Register Online
Besides your class list, you’ll need your Student ID Number and Quarterly Registration PIN. For classes that require instructor permission, you’ll need an Entry Code.

Select Register Online. Follow the instructions and complete your schedule. Don’t forget to print your schedule before you leave. If you attempt to register for two classes that meet at the same time or overlap, the computer will block your registration.

3. Pay Your Tuition or Set Up a Payment Plan Online!
Paying online is easy and secure. You can use your credit or debit card to pay in full, or set up an automatic payment plan. If you register online, you can pay at the end of your registration session or return later. See Delayed Tuition Payment Options, page 7.

If you register in person, you can still pay online. You’ll need your Global PIN, received when you register for the first time. Tuition and fees must be paid by Friday of the week you register.

4. Add or Drop Classes
You may add or drop classes online through the third day of class. Select Register Online. Follow the instructions for adding or dropping a class. Don’t forget to print a copy of your revised schedule. You can also handle any adjustments to your tuition or fees online.

When can’t I use Online Registration?
1. Continuing Education courses
2. GED/ABE/ESL courses
3. High School Completion
4. Independent Studies
5. Employee waivers, Running Start, or National Guard waivers
6. If you last attended LCC more than one year ago
7. If you are taking more than 18 credits

Online Registration is available
June 9–September 24.

ONLINE REGISTRATION WORKSHEET

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<thead>
<tr>
<th>Dept.</th>
<th>Course #</th>
<th>Item #</th>
<th>Section</th>
<th>Credits</th>
<th>M</th>
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<th>F</th>
<th>Time</th>
<th>Bldg/Rm</th>
<th>Entry Code</th>
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</thead>
</table>

Alternate Classes

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<th>Dept.</th>
<th>Course #</th>
<th>Item #</th>
<th>Section</th>
<th>Credits</th>
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<th>F</th>
<th>Time</th>
<th>Bldg/Rm</th>
<th>Entry Code</th>
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Capstone (CPSTN) Course

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<tr>
<th>Dept.</th>
<th>Course #</th>
<th>Item #</th>
<th>Section</th>
<th>Credits</th>
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<th>Time</th>
<th>Bldg/Rm</th>
<th>Entry Code</th>
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Entry Codes
An Entry Code is a five digit random number issued to students by the instructor of the class as authorization to register for classes requiring “Instructor Permission.” Once you have used an entry code, the registration computer will not accept it again.

Use Online Services
Here are some of the things you can do online:

• Pay your tuition and fees
• Set up a payment plan
• Check tax credit information
• Change your Global PIN
• Print your class schedule
• Print out an unofficial transcript
• Check waitlist status
Tuition & Fees

Resident Students (Column A)
Washington resident students must verify that they have lived in Washington for one year and have established residency in the State of Washington, including US Citizenship. If your residency cannot be determined at the time of registration, you will be required to pay non-resident tuition and fees. Ask about residency at the Registration Office, 360.442.2370. Complete residency rules are detailed in RCW 28B.15.012.
Even if you are not a permanent resident or US Citizen, you may still qualify to pay in-state tuition if you have graduated (or will) from a Washington state high school. Contact the Registrar at 360.442.2371.

Oregon Border County Residents (Column B)
Residents of Oregon Border Counties (Columbia, Clatsop, Multnomah, Washington) for 90 days or more may pay this rate.

US Citizens & INS Permanent Residents (Column C)
Individuals who have lived in the State of Washington for 90 days or more and who are US Citizens or Permanent Residents, as defined by the INS, may pay this rate.

Other US Citizens and Foreign Students (Column D)
Those who are not eligible to pay the “Resident Students,” “Oregon Border County Residents,” or “US Citizens and INS Permanent Residents” rates, above, pay this rate. (See Column D.)

Veterans (Column E)
Special rates are available for some Veterans. See the Veterans’ Office in the Admission Center, or call 360.442.2393 for eligibility information.

Special Rates for Senior Citizens
If space is available after the first class meeting, Washington residents 60 or older may audit up to two classes for $2.50 per class fee of $1.25 per credit facilities use fee and applicable lab fees.

Miscellaneous Fees

- **Application:** All new students are charged a $30 combined assessment and application fee. After two years of non-attendance, this fee will be recharged.
- **Apprenticeship:** $53 per credit; $3.49 per clock hour.
- **Computer Lab:** A fee of $22.90 per class is charged for certain classes identified in the course listing.
- **Facilities Maintenance:** The chart includes a fee of $1.25 per credit, up to 18 credits (max. $22.50), for facilities maintenance and College security.
- **Fitness Center Upgrade:** The chart includes a fee of $2.50 per credit, up to 10 credits (max. $25), for fitness center upgrade.
- **GED Testing:** $120.00 for first time on all four. Re-testing: $30 per test.
- **High School Completion:** Courses taken to earn a high school diploma are $53.42 per credit for residents or $106.84 per credit for non-residents, plus a technology fee of $3.75/credit, facilities fee of $1.25/credit, tutoring center fee of $.50/credit and fitness center upgrade fee of $2.50/credit.
- **Lab:** Nonrefundable lab fees are collected for certain classes. Where applicable, this fee is shown with class listings in this schedule. Distance Education online courses require a Distance Ed fee of $6.00/credit (max 10 credits) for each course. Distance Education Hybrid and Enhanced courses require a Distance Ed fee of $3.00/credit (max 10 credits).
- **Resident Excess Credit:** Residents pay $96.26 per credit above 18 credits.
- **Technology:** The chart includes a technology fee of $3.75/credit, up to 12 credits (max. $45). A photo ID card, which serves as your activities card, library card and computer lab card, is issued as part of this fee. The ID card is NOT issued quarterly; it is valid as long as you are at LCC.
- **Transcript:** $10 fee for each official transcript.
- **Tuition Deferment:** Qualified students may purchase a tuition deferment for $35. While the fee is nonrefundable, $25 is applied toward tuition upon full payment.
- **Tutoring Center:** The chart includes a fee of $.50/credit, up to 10 credits (max. $5), to support the Tutoring Center.
- **Vocational Excess Credit:** Vocational students taking over 18 credits who meet certain requirements pay only $7 per credit (residents); non-residents over 18 credits pay $28.
Paying for College

Applying for Financial Aid

Who is eligible?
To qualify for Financial Aid you must:
• Have a high school diploma or GED
• Be a U.S. citizen or eligible non-citizen
• Be registered with the Selective Service (if required)
Other eligibility issues may be identified in the FAFSA process.

What financial aid is available?
Grants, loans, work study employment and scholarships are available to help cover college costs. Special aid programs are also offered for veterans, dislocated workers and first generation students.

How to apply
Students apply for financial aid online through the LCC website. Computers are available for student use in the Admissions Center. Priority deadlines are set for each quarter to allow 3-6 weeks for an application to be processed. See page 4.

To receive financial aid, a student MUST complete the FAFSA
1. Review “7 Easy Steps to the FAFSA” at lowercolumbia.edu/finaid.
   To complete the application, a student will need:
   • Social Security Number.
   • Income statements, tax or estimated income tax, bank statement. Visit FAFSA to learn more.
   • LCC’s federal school code: 003782
2. Follow the instructions at www.fafsa.gov and complete the application.
3. Applicants should check their status at LCC’s Financial Aid Portal and upload any requested documents. Do this at lowercolumbia.edu/finaid. The applicant will use their Social Security Number and birth date (mm/dd/yy) to log in the first time.

How do I know if aid is approved? Get my money?
You will be notified of any financial aid awards through the Financial Aid Portal (see Step 3). Read your award notice carefully.

If you apply for Financial Aid and register for classes, we assume you are accepting your financial aid award. If you meet the priority deadline and qualify, your Financial Aid check will be mailed to you before classes begin.

If you decide not to attend, notify Financial Aid right away to cancel your award.

Review information about class changes or academic progress that might impact your award. Check with your advisor or at the Entry Center for support services to help you succeed in your classes.

Financial Aid Hours
Monday/Tuesday/Thursday 8 a.m. - 5 p.m.
Wednesday 11 a.m. - 2 p.m.
Friday 10 a.m. - 5 p.m.
Summer Hours (July 7-August 29):
Monday-Thursday, same as above. Closed Friday.

Scholarships
Lower Columbia College awards over $250,000 in scholarships every year. The online process lets students apply for multiple LCC scholarships with a single application. There is no cost to apply.

Scholarships are based on varied criteria, including:
• Program of Study – Nursing, Art, Automotive, Chemistry, Education and more
• Merit – Based on GPA (usually 2.0 to 3.5) or demonstrated community service or leadership
• Need – Demonstrated financial need based on federal guidelines
• General – Qualify for general awards with broad, flexible criteria

These funds can be used to pay for tuition, student fees, books and supplies. Some awards will cover other expenses such as transportation or childcare.

Looking for your dream job?
The Career Center at Lower Columbia College provides career exploration and employment services to current students, alumni and community members in all stages of their academic and professional careers. This is a free service open to everyone. Visit the Career Center in the Admissions Center to identify your interests and talents, research potential careers, learn how to prepare for future employment, search for jobs, and receive help with resume writing and interview skills.

Delayed Tuition Payment Options
Need more time to pay your tuition? Here are three options:

Payment Plan: For a $30 fee you can enroll in a payment plan that charges your credit/debit card or bank account on a monthly basis. For information or to sign up, go to lowercolumbia.edu/costs-aid

Defer Your Tuition: Tuition is due the Friday after you register. You can defer your full tuition payment until September 16 by paying $25 of your tuition plus a $10 fee at the Cashier. Ask for a Tuition Deferment.

Waiting for your Financial Aid funds?
Apply for Financial Aid by the priority deadline (August 11 for Fall Quarter 2014). If your file is complete, with all requested documents, you can register and make arrangements to delay tuition payment until your aid arrives. Apply for an “Administrative Hold” after you register but by September 2 at the Financial Aid Office.

If you miss either deadline, you will need to pay your own tuition to stay enrolled.
The Lower Columbia Regional University Center, located in the Alan Thompson Library, provides convenient options for residents of Cowlitz County, and surrounding counties, to earn bachelor’s degrees without relocating or a lengthy commute. The goal of the center is to increase the number of adults with bachelor’s degrees in Cowlitz and Wahkiakum counties and the number of local professionals qualified to fill supervisory and management positions with area companies.

**Talk with a university advisor**
Whether you’re a current LCC student, a high school senior or a community college graduate, explore your options to earn a bachelor’s degree by talking with an advisor. To schedule an appointment, stop by the Center or call 360.353.7800.

Four highly-respected universities have partnered with LCC to provide bachelor’s degree programs. Advising staff and faculty will be housed in the Center along with study areas and a high technology classroom designed to meet instructional needs, including WiFi access. The adjacent Learning Commons provides comprehensive library resources for students enrolled in the university partner programs.

**New degree programs**
City University of Seattle now offers two additional degree programs through the University Center. The Bachelor of Science in Criminal Justice is a multi-disciplinary degree that combines aspects of public and business administration with the narrative and practice of justice. Graduates may prepare for either traditional public sector careers such as law enforcement, criminal investigations, inspector general, or juvenile justice or for private sector careers involving corporate investigations and risk mitigation- including cyber forensic investigations. The program is taught by a faculty of active practitioners whose experiences enhance discussion and ensure coverage of the most current topics across a broad range of criminology fields.

The Bachelor of Science in Computer Systems program is designed to teach students the fundamentals of computing and networking technologies as well as ethics and service. This flexible program offers lots of hands-on laboratory work in real world labs. Choose from a variety of emphasis areas including: health information systems, information security, networking, programming, and systems development.

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**Eastern Washington University**
- Bachelor of Arts in Interdisciplinary Studies
- Bachelor of Science in Applied Technology
- Bachelor of Arts in Business Administration – Coming Winter 2014
Advising: Geonna Joy
gjoy2@ewu.edu, 360.442.7811

**Washington State University Vancouver**
- Bachelor of Science in Nursing
Advising: Natalie Brusseau
brusseau@vancouver.wsu.edu
Email to schedule an appointment

**City University of Seattle**
- Bachelor of Arts in Elementary Education and Teacher Certification – New cohort begins July 2014
- Bachelor of Science in Criminal Justice
- Bachelor of Science in Computer Systems
Advising: Daria Lall
darialall@cityu.edu, 360.449.6700

**Concordia University**
- Southwest Washington Bachelor of Arts in Early Childhood Education
Advising: Charlotte May
cmay@cu-portland.edu
Email to schedule an appointment
TRANSFER STUDENTS

Save Time & Money At LCC

Students who begin a four-year degree at Lower Columbia College save tuition costs as well as room and board, if they live at home. Records show LCC students who transfer earn an average 3.34 GPA for junior and senior studies at Washington public universities.

The Associate in Arts Direct Transfer Agreement (AA-DTA) provides a smooth transition to upper division studies at a state public university. The new Washington 45 option allows LCC students to transfer after one year without losing any credits.

**New Washington 45**

A student who completes courses selected from the categories listed below will be able to transfer and apply up to 45 quarter credits toward general education requirement(s) at any other public, and most private, higher education institutions in the state.

**First Year Transfer List**

- Communications (5 credits) – ENGL& 101, ENGL& 102
- Quantitative and Symbolic Reasoning (5 credits) – MATH& 107, MATH& 148 or MATH& 151
- Humanities (10 credits in two different subject areas or disciplines) – PHIL& 101, MUSC& 105, DRMA& 101, HIST& 116
- Social Science (10 credits in two different subject areas or disciplines) – PSYC& 100, SOC& 101, POLS& 101, POLS& 202, HIST& 117
- Natural Sciences (10 credits in two different subject areas or disciplines) – BIOL& 100, BIOL& 160*, ASTR& 101*, CHEM& 110*, CHEM& 121*, CHEM& 161*, CHEM& 162*, GEOL& 101*.  
  *Natural Science lab courses.

For transfer purposes, a student must have a minimum grade of C or better (2.0 or above) in each course completed from this list. Students who transfer Washington 45 credits must still meet the transfer institution’s admission requirements and eventually satisfy all their general education requirements and their degree requirements in major, minor and professional programs.

### 2013-14 Annual Tuition

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<tbody>
<tr>
<td>Lower Columbia College</td>
<td>$4,279</td>
</tr>
<tr>
<td>Washington Public Universities</td>
<td>$7,568-$12,399</td>
</tr>
</tbody>
</table>
Learning Communities

Teamwork is a good approach to achieve success in sports, at work and in college. Lower Columbia College students who belong to study teams as part of a class or other organized program complete their courses and degrees more often and in less time than those who go it alone. The following programs of study are available this quarter for students who want to improve their chances of success at LCC.

I-BEST

Fast track to a college certificate & job

The Integrated Basic Education & Skills Training (I-BEST) program provides hands-on training for high demand job fields, with an extra instructor to help with reading, writing, math, speaking and listening skills in the same class.

You attend class with the same instructors and the same students to learn job skills and to earn college credit toward a certificate in one of six job fields. Students also spend 2-5 hours each week in study sessions with their classmates where they receive hands-on instruction dedicated to helping them succeed.

Business Technology

This 4-quarter certificate program prepares graduates to work in an office setting. All credits can be applied toward the two year AAS degree. Classes meet each week in classrooms and/or private academic support labs.

- BTEC 104 Introduction to Business Technology
- BTEC 111 Word Processing I
- BTEC 148 Introduction to Outlook
- BUS 104 Business Math Applications
- BUS 144 Management of Human Relations:DIV
- CS 110 Microcomputer Applications

Health Occupations/Nursing Assistant

LCC’s Nursing Assistant program provides the content and experience to prepare students to take the State of Washington Nursing Assistant certification exam.

I-BEST Health Occupations (HOC) is only offered in the fall and spring. Some classes also fulfill requirements for the pre-nursing and medical assisting programs.

- AH 112 Body Structure, Function and Terminology
- AH 104 Healthcare Foundations
- AH 114 Healthcare Communication Skills
- HLTH 100 Occupational Safety and Health
- MEDA 101 Medical Vocabulary I
- MEDA 102 Medical Vocabulary II
- NURS 090 Nursing Assistant

Diesel/Heavy Equipment Technology

The Diesel/Heavy Equipment Technology program prepares students for careers in any industry that utilizes trucks, excavators, bulldozers, other heavy equipment, or industrial equipment utilizing diesel power and hydraulic devices. Graduates find work with truck and heavy equipment dealers, railroads, and marine operations using tug and fishing boats. You may also work in industrial maintenance, auto, and RV repair. Students also have access to private academic support classes meeting daily.

- DHET 100 Essentials of Mechanics
- DHET 141 Hydraulics I
- DHET 142 Hydraulics II

Manufacturing Occupations

Learn the basic skills needed for entry-level jobs. This certificate provides a strong foundation in production, machining and welding processes providing access to many jobs in industries that use machine tools and fabrication processes to produce goods. This certificate also provides courses that can be applied to more specialized degrees and certificates.

- MFG 115 Manufacturing Process
- MASP 071 Machine Shop Support I
- MASP 111 Machine Shop I
- TECH 078 Pre-College Math I
- TECH 079 Pre-College Math I
- WELD 071 Welding Support I
- WELD 105 Related Welding I

Early Childhood Education

This one certificate and two-year degree program prepares graduates to work in preschool and childcare programs as early childhood education teachers and includes hands on training in the Home and Family Life Center.

- ECED& 100 Child Care Basics
- ECED& 107 Health/Safety/Nutrition
- ECED 120 Practicum-Nurturing Relationships
- ECED& 160 Curriculum Development
- ECED 261 Practicum IV
- EDUC& 115 Child Development
- EDUC& 130 Guiding Behavior

NEW! Medical Assistant

Students develop knowledge and skills necessary for employment in clinical and administrative-support areas of medical clinics.

- MEDA 120 Survey of Anatomy and Physiology
- MEDA 161 Examining Room Procedures I

Special programs coordinator Jill Yates will help each student register for the classes they need. Contact her at 360.442.2584 or jyates@lowercolumbia.edu
**Did you know you can learn Mandarin Chinese at LCC?**

Lower Columbia College offers a three quarter sequence of Mandarin Chinese language. The courses emphasize basic vocabulary, grammar fundamentals and pronunciation. Students are also introduced to Chinese characters and Chinese culture, including social interactions, relationships, artistic expression and values.

**How will learning Mandarin Chinese benefit me?**
Learning a foreign language opens doors. Students gain a more culturally diverse worldview and a competitive edge in their current or future careers!

- Expand your global perspective
- Strengthen your résumé
- Enrich your life

**Learning Mandarin Chinese has never been easier!**

Sign up for:

CHIN& 121, Chinese I:DIV, 5 credits (item #2215)

---

**Integrative Studies: Image & Reality**

Monday-Thursday, 9:00 a.m.-12:30 p.m.
Instructors: Don Correll, Cheryl Ronish, Mike Strayer

**Image & Reality** explores major questions such as:
- Do television and video games affect behavior?
- Is creativity learned or inherited?
- What is talent?
- How do stories we hear as children impact choices we make as adults?
- How do words we write and speak affect our thoughts and actions?
- How do I know what I know?
- Does a high I.Q. really matter?
- Is there a link between madness and genius?

How do individual experiences, everyday stories and media shape our perception of self and other?

Drawing from the disciplines of drama, psychology, and English, students will read novels, plays, essays and books; take part in small group activities, and participate in seminar discussions that integrate each week’s videos, readings, and experiences. The course culminates in a final gathering. Sign up for a total of 15 credits.

Sign up for:

**DRMA& 101 IS1, item 3160, Intro to Theatre:DIV, 5 credits**
or
**DRMA 106 IS1, item 3130, Intro to Acting I, 5 credits**
and
**ENGL& 101 IS1, item 3580, English Composition, 5 credits**
and
**PSYC& 100 IS1, item 6990, General Psychology, 5 credits**

---

**Freudian Slip**

How do individual experiences, everyday stories and media shape our perception of self and other?

Drawing from the disciplines of drama, psychology, and English, students will read novels, plays, essays and books; take part in small group activities, and participate in seminar discussions that integrate each week’s videos, readings, and experiences. The course culminates in a final gathering. Sign up for a total of 15 credits.

Sign up for:

**DRMA& 101 IS1, item 3160, Intro to Theatre:DIV, 5 credits**
or
**DRMA 106 IS1, item 3130, Intro to Acting I, 5 credits**
and
**ENGL& 101 IS1, item 3580, English Composition, 5 credits**
and
**PSYC& 100 IS1, item 6990, General Psychology, 5 credits**
ONLINE LEARNING @ LCC

Online learning at Lower Columbia College offers flexibility for those with work, family and other responsibilities to complete college courses and even a degree without a regular commute to campus.

**Online** - Students complete all course work via the Internet.

**Hybrid** - Courses blend classroom sessions with online participation and learning. For example: students go online, read lessons, take a practice quiz; then come to a face-to-face class and practice what they learned online.

The online learning process requires the same commitment as a traditional course. Staying up with the class and completing all work on time is vital. Once a learner gets behind, it is very difficult to catch up.

The majority of LCC online and hybrid courses are facilitated through the learning management system, Canvas.

### LCC ONLINE CLASSES — FALL 2014

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT&amp; 201</td>
<td>Principles of Accounting I</td>
</tr>
<tr>
<td>AH 100</td>
<td>Blood Borne Pathogens &amp; Infections</td>
</tr>
<tr>
<td>AH 104</td>
<td>Healthcare Foundations</td>
</tr>
<tr>
<td>AH 114</td>
<td>Healthcare Communication Skills</td>
</tr>
<tr>
<td>ART 226</td>
<td>History of Western Art</td>
</tr>
<tr>
<td>ART&amp; 100</td>
<td>Art Appreciation:DIV</td>
</tr>
<tr>
<td>BIOL&amp; 160</td>
<td>General Biology w/Lab</td>
</tr>
<tr>
<td>BIOL&amp; 241</td>
<td>Human A &amp; P 1 w/Lab</td>
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<tr>
<td>BIOL&amp; 242</td>
<td>Human A &amp; P 2 w/Lab</td>
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<tr>
<td>BIOL&amp; 260</td>
<td>Microbiology</td>
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<tr>
<td>BTEC 181</td>
<td>Medical Terminology I</td>
</tr>
<tr>
<td>BTEC 182</td>
<td>Medical Terminology II</td>
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<tr>
<td>BUS 144</td>
<td>Management/Human Relations:DIV</td>
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<tr>
<td>BUS 150</td>
<td>Customer Service/Management</td>
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<tr>
<td>BUS 159</td>
<td>Principles of Retailing</td>
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<tr>
<td>BUS 206</td>
<td>Statistical Methods</td>
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<tr>
<td>BUS 240</td>
<td>Principles of Supervision</td>
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<tr>
<td>BUS&amp; 101</td>
<td>Introduction to Business</td>
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<tr>
<td>BUS&amp; 201</td>
<td>Business Law</td>
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<tr>
<td>CHEM&amp; 110</td>
<td>Chemical Concepts w/Lab</td>
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<tr>
<td>CJ&amp; 110</td>
<td>Criminal Law</td>
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<tr>
<td>COLL 093</td>
<td>Test Taking</td>
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<tr>
<td>COLL 094</td>
<td>Note Taking</td>
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<td>COLL 095</td>
<td>Time Management</td>
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<tr>
<td>COLL 096</td>
<td>Textbook Reading</td>
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<tr>
<td>COLL 101</td>
<td>First Year Seminar I</td>
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<tr>
<td>COLL 104</td>
<td>College Knowledge</td>
</tr>
<tr>
<td>CS 110</td>
<td>Microcomputer Applications</td>
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<tr>
<td>CS 121</td>
<td>Introduction to Spreadsheets</td>
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<tr>
<td>CS 250</td>
<td>Digital Forensics &amp; Law</td>
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<tr>
<td>CS 253</td>
<td>Digital Forensics Live &amp; Mobile</td>
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<td>ECED 186</td>
<td>Social-Emotional Growth</td>
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<td>ECED&amp; 134</td>
<td>Family Child Care</td>
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<td>ECED&amp; 170</td>
<td>Environments-Young Child</td>
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<tr>
<td>ECON 105</td>
<td>Introduction To Economics</td>
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<tr>
<td>ENDC&amp; 136</td>
<td>School Age Care</td>
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<tr>
<td>ENGL 104</td>
<td>Review of Grammar and Punctuation</td>
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<td>ENGL 270</td>
<td>Literature For Children</td>
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<tr>
<td>ENGL&amp; 101</td>
<td>English Composition I</td>
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<tr>
<td>ENGL&amp; 102</td>
<td>Composition II</td>
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<tr>
<td>ENVS 150</td>
<td>Environment &amp; Society:DIV</td>
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<tr>
<td>ERSI 105</td>
<td>Earth Systems</td>
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<tr>
<td>GEO&amp; 108</td>
<td>Geology Of Pacific NW</td>
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<tr>
<td>HIST&amp; 136</td>
<td>US History 1</td>
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<tr>
<td>HIST&amp; 137</td>
<td>US History 2</td>
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<td>HLTH 106</td>
<td>Health Today</td>
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<tr>
<td>LIBR 094</td>
<td>Information Literacy 1</td>
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<tr>
<td>LIBR 104</td>
<td>Information Literacy 2</td>
</tr>
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<td><em>MATH 088/089</em></td>
<td>Pre-College Math II</td>
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<tr>
<td><em>MATH 098/099</em></td>
<td>Pre-College Math III</td>
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<tr>
<td>MATH 210</td>
<td>Elements Of Statistics</td>
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<tr>
<td>MATH&amp; 107</td>
<td>Math In Society</td>
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<tr>
<td>MEDA 205</td>
<td>Certification Review for Medical Assistants</td>
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<tr>
<td>MUSC 119</td>
<td>American Music:DIV</td>
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<tr>
<td>NUTR&amp; 101</td>
<td>Nutrition</td>
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<tr>
<td>OCEA&amp; 101</td>
<td>Introduction to Oceanography</td>
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<tr>
<td>PHED 152</td>
<td>Personalized Fitness</td>
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<tr>
<td>PHED 252</td>
<td>Personalized Fitness</td>
</tr>
<tr>
<td>POLS&amp; 202</td>
<td>American Government</td>
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<tr>
<td>PSY&amp; 100</td>
<td>General Psychology</td>
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<tr>
<td>PSY&amp; 200</td>
<td>Lifespan Psychology</td>
</tr>
<tr>
<td>SOC&amp; 101</td>
<td>Introduction to Sociology:DIV</td>
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<tr>
<td>*SPAN&amp; 121</td>
<td>Spanish I:DIV</td>
</tr>
<tr>
<td>*SPAN&amp; 122</td>
<td>Spanish II:DIV</td>
</tr>
<tr>
<td>*SPAN&amp; 123</td>
<td>Spanish III:DIV</td>
</tr>
<tr>
<td>*SPAN&amp; 221</td>
<td>Spanish IV</td>
</tr>
<tr>
<td>*SPAN&amp; 222</td>
<td>Spanish V</td>
</tr>
<tr>
<td>*SPAN&amp; 223</td>
<td>Spanish VI</td>
</tr>
<tr>
<td>SPCH 110</td>
<td>Introduction to Public Speaking</td>
</tr>
</tbody>
</table>

*These courses do not use Canvas*
Gmail is now available for LCC students

Lower Columbia College has moved all students to new Gmail accounts. With Gmail, students will be able to:

- Send and receive messages
- Have mobile access to their email
- Share documents and messages
- Access Google Apps for Education

lowercolumbia.edu/email to find out more!

Mapping Your Plan
For College Success

New to college? Start your first quarter off on the road to success.

In this First-Year Seminar class (COLL 101) discover your strengths and how to put them to use in the classroom and in your everyday life. Learn about tools to improve skills in time management, memory, lecture note taking, textbook reading, outlining, use of the library, test preparation and test taking.

Work with your classmates and instructor to become a more independent learner and a critical thinker. Then create your own road map for successful completion of all the courses required to reach your career goals.

Talk with your college advisor about adding this two-credit course (COLL 101) to your spring schedule of classes.

Using CANVAS?
Attend a free orientation or bootcamp.

If your class listing shows this symbol, you’ll be using an online learning management system: ☐ for CANVAS

Canvas Orientation
Monday, September 22 2-3 p.m.
Tuesday, September 23 2-4 p.m.
Thursday, September 25 5-6 p.m.
Friday, September 26 10-11 a.m.

Canvas Bootcamp
Contact eLearning to register: 360.442.2520 or elearning@lowercolumbia.edu
Thursday, September 18 9 a.m.-12 p.m.
Thursday, September 18 1-4 p.m.
Tuesday, September 23 11 a.m.-12 p.m.

Bootcamp is free.
Diversity Classes

To earn a degree at LCC, you must pass a 5-credit Cultural Diversity class. These Fall courses meet the requirement.

ANTH 109 American Cultural Diversity
ANTH& 206 Cultural Anthropology
ART& 100 Art Appreciation
ART 206 Arts of the Americas
ART 207 Arts of the World
ART 208 Arts of the Northwest
ART 228 History of Western Art
ASL& 123 American Sign Language III:DIV
BUS 144 Management of Human Relations
CHIN& 121 Chinese I
CHIN& 122 Chinese II
CHIN& 123 Chinese III
EDUC& 205 Introduction to Education w/Field Experience
ENGL 140 Introduction to Women Writers
ENGL 280 Multicultural Literature
ENVS 150 Environment and Society
HIST& 126 World Civilization I
HIST& 127 World Civilization II
HIST& 128 World Civilization III
HIST 205 History of East Asia
HIST& 215 Women in U.S. History
HUM 164 Cultural Journeys
HUM 210 Myths and Rites
MUSC 117 Music Cultures of the World
MUSC 119 American Music
MUSC 209 The Blues Culture
SOC& 101 Introduction to Sociology (Includes WAOL’s SOC& 101)
SOC 225 Race and Ethnicity
SPAN& 121 Spanish I
SPAN& 122 Spanish II
SPAN& 123 Spanish III
SPCH 109 Intercultural Communication
SPCH 209 Rhetorical Criticism and Popular Culture

Fall 2014 Final Exam Schedule (December 9-11)

Use this chart to determine your final exam time. Schedules are online at lowercolumbia.edu/classes/final-exams.aspx

<table>
<thead>
<tr>
<th>Class begins between</th>
<th>On these days</th>
<th>Your final exam time will be</th>
<th>On this date</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00a.m.-8:20a.m.</td>
<td>M, MWF, MW, W, Daily</td>
<td>8:00a.m.-10:00a.m.</td>
<td>December 9</td>
</tr>
<tr>
<td>7:00a.m.-8:20a.m.</td>
<td>MTWTh, MTWF, MWThF, TTh</td>
<td>8:00a.m.-10:00a.m.</td>
<td>December 10</td>
</tr>
<tr>
<td>9:00a.m.-9:50a.m.</td>
<td>TTh, MTWTh</td>
<td>8:00a.m.-10:00a.m.</td>
<td>December 10</td>
</tr>
<tr>
<td>9:00a.m.-9:50a.m.</td>
<td>MWF, MW, Daily</td>
<td>10:10a.m.-12:10p.m.</td>
<td>December 9</td>
</tr>
<tr>
<td>9:55am-10:50a.m.</td>
<td>MW, MWF, Daily</td>
<td>10:10a.m.-12:10p.m.</td>
<td>December 10</td>
</tr>
<tr>
<td>11:00a.m.-11:55a.m.</td>
<td>MWThF, TTh, MTWTh</td>
<td>10:10a.m.-12:10p.m.</td>
<td>December 11</td>
</tr>
<tr>
<td>11:00a.m.-11:55a.m.</td>
<td>MW, MW, Daily</td>
<td>12:20p.m.-2:20p.m.</td>
<td>December 9</td>
</tr>
<tr>
<td>12:00p.m.-12:55p.m.</td>
<td>MW, Daily, MWThF</td>
<td>12:20p.m.-2:20p.m.</td>
<td>December 10</td>
</tr>
<tr>
<td>1:00p.m.-2:00p.m.</td>
<td>MWF, MW, W, MTWThF, Daily, MTWF</td>
<td>12:20p.m.-2:20p.m.</td>
<td>December 11</td>
</tr>
<tr>
<td>1:00p.m.-2:30p.m.</td>
<td>TTh, Th, T</td>
<td>2:30p.m.-4:30p.m.</td>
<td>December 9</td>
</tr>
<tr>
<td>2:40p.m.-4:00p.m.</td>
<td>MWF, MW, M, W</td>
<td>2:30p.m.-4:30p.m.</td>
<td>December 10</td>
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<tr>
<td>2:40p.m.-4:00p.m.</td>
<td>T, TTh</td>
<td>2:30p.m.-4:30p.m.</td>
<td>December 11</td>
</tr>
<tr>
<td>Classes not listed above or classes that conflict with other finals</td>
<td>Please contact your instructor for your final exam time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:00 p.m.-10:00 p.m.</td>
<td>All Days</td>
<td>During Class</td>
<td>Talk to Instructor</td>
</tr>
</tbody>
</table>

Evening classes meeting once a week will take their final exam at the regular class time during finals week. Evening classes meeting more than once a week will take the final exam at the regular class time on whichever day during finals week the class agrees upon.

Students enrolled in online courses (DE section) are to contact their instructor for final exam information.

Students are not required to take final exams for more than two classes on a single day. If such a conflict arises, students are to contact their instructor to discuss alternative options. If no solution is determined after the initial meeting with the instructor, students may then petition the appropriate division dean. Arrangements must be made by the end of the 8th week of instruction. For assistance please contact the Office of Instruction by calling 360.442.2550. Exam priorities shall be based on class meeting day order first, then meeting time.

Final exams will be administered on the day designated on the final exam schedule. If a deviation from the scheduled day is desired, faculty must seek approval from the appropriate division dean. Time changes, unanimously approved by the class, are acceptable.

For any classes that conflict with other final exams please talk to your instructor for more information.
These initials or symbols on the course listing mean:

- **D** = Course meets Diversity requirement.
- **H** = Course meets distribution credit in Humanities.
- **HA** = Course meets distribution credit in Humanities only for AAS and AAS-T degrees.
- **SS** = Course meets distribution credit in Social Science.
- **SSA** = Course meets distribution credit in Social Science only for AAS and AAS-T degrees.
- **NS** = Course meets distribution credit in Natural Science.
- **NSA** = Course meets distribution credit in Natural Science only for AAS and AAS-T degrees.
- **NSL** = Course meets distribution credits in Natural Science as a lab course.
- **P** = Course meets distribution credits as a performance based course.
- **&** = Course is part of the Washington Community Colleges’ Common Course Numbering system.
- **DE** = Distance Education. All DE sections have an $9.10 fee.
- † = Course uses the CANVAS learning management system. All courses with this symbol have a fee. All DE sections have a fee of $6.00 per credit, maximum of $60.00. All other † sections have a fee of $3.00 per credit, maximum of $30.00. Boot Camps and Orientation information is on page 13.

### Accounting

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>ACCT 101</td>
<td>INTRODUCTION TO ACCOUNTING CONCEPTS</td>
</tr>
<tr>
<td>ACCT 201</td>
<td>PRINCIPLES OF ACCOUNTING I</td>
</tr>
<tr>
<td>ACCT 241</td>
<td>INTRODUCTION TO QUICKBOOKS</td>
</tr>
<tr>
<td>ACCT 244</td>
<td>INDIVIDUAL INCOME TAXATION</td>
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### Allied Health

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<th>Course #</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>AH 100</td>
<td>BLOOD BORNE PATHOGENS AND INFECTION CONTROL</td>
</tr>
<tr>
<td>AH 104</td>
<td>HEALTHCARE FOUNDATIONS</td>
</tr>
<tr>
<td>AH 114</td>
<td>HEALTHCARE COMMUNICATION SKILLS</td>
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<tr>
<td>AH 230</td>
<td>MANAGEMENT ISSUES IN HEALTH CARE</td>
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### American Sign Language

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<tbody>
<tr>
<td>ASL &amp; 121</td>
<td>AM SIGN LANGUAGE I</td>
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<td>ASL &amp; 123</td>
<td>AM SIGN LANGUAGE III</td>
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### Anthropology

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<tbody>
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<td>ANTH 205</td>
<td>BIOLOGICAL ANTHROPOLOGY</td>
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### EVENING CLASSES

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<td>AM SIGN LANGUAGE III</td>
</tr>
<tr>
<td>ANTH 205</td>
<td>BIOLOGICAL ANTHROPOLOGY</td>
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</tbody>
</table>
Course # Course Name

Art

ART& 100 ART APPRECIATION: DIV D,H 1625 A 5 T 1:20p.m.-3:20p.m. MAN 119 COOPER R
Hybrid class; partly online.
1630 DE 5 ARR ARR COOPER R
Online class.

ART 101 BEGINNING DRAWING H,P 1480 A 3 MW 9:00a.m.-11:30a.m. MAN 109 NEELY D
1485 B 3 MW 2:00p.m.-4:30p.m. MAN 109 NEELY D

ART 106 BASIC DESIGN H,P 1505 A 5 TTh 10:00a.m.-12:00p.m. MAN 109 KOHLMEIER M

ART 107 BASIC DESIGN I H,P 1510 A 5 TTh 2:20p.m.-4:20p.m. MAN 109 KOHLMEIER M

ART 154 BEGINNING ANALOG PHOTOGRAPHY H,P 1530 A 5 TTh 8:00a.m.-11:30a.m. MAN 105 VANDERMATEN
Dark room lab fee will be charged.
Lab Fee: $34.30

ART 155 BEGINNING DIGITAL PHOTOGRAPHY H,P 1535 A 5 TTh 12:00p.m.-3:30p.m. MAN 118 VANDERMATEN
Computer lab fee will be charged.
Lab Fee: $34.30

ART 162 PHOTOSHOP FOR WEB & PRINT H 1545 A 3 MW 12:00p.m.-1:40p.m. MAN 118 NEELY D
Basic computer skills required.
Computer lab fee will be charged. Lab Fee: $22.90
1550 B 3 MW 3:00p.m.-4:40p.m. MAN 118 NEELY D
Basic computer skills required.
Computer lab fee will be charged. Lab Fee: $22.90

ART 226 HISTORY OF WESTERN ART H 1555 DE 5 ARR FREY T
Online class.

ART 241 BEGINNING CERAMIC ART H,P 1560 A 3 MW 1:00p.m.-3:50p.m. MAN 104 WOODS T
Lab Fee: $19.90

ART 242 INTERMEDIATE CERAMIC ART H,P 1570 A 3 MW 1:00p.m.-3:50p.m. MAN 104 WOODS T
Lab Fee: $27.00

ART 243 ADVANCED CERAMIC ART H,P 1580 A 3 MW 1:00p.m.-3:50p.m. MAN 104 WOODS T
Lab Fee: $27.00

ART 290 ART STUDIO LAB-CERAMICS H 1600 MM1- 3 ARR ARR WOODS T
Instructor permission required to enroll.
Lab Fee: $27.00

ART 295 ART STUDIO LAB-PHOTOGRAPHY H 1605 MM1- 3 ARR ARR VANDERMATEN
Instructor permission required to enroll.
Lab Fee: $34.30

ART 297 PHOTOSHOP INDEPENDENT STUDY H,P 1610 MM1- 3 ARR ARR NEELY D

ART 299 INDEPENDENT STUDY H,P 1615 MM1- 3 ARR ARR COOPER R
Lab Fee: $19.00
1620 MM2 1-3 ARR ARR KOHLMEIER M

Instructor permission required to enroll.
Lab Fee: $19.00

Evening Classes

ART 101 BEGINNING DRAWING H,P 1490 N 3 TTh 6:00p.m.-8:50p.m. MAN 109 KOHLMEIER M

ART 102 INTERMEDIATE DRAWING H,P 1495 N 3 TTh 6:00p.m.-8:50p.m. MAN 109 KOHLMEIER M
Lab Fee: $5.60

ART 103 ADVANCED DRAWING H,P 1500 N 3 TTh 6:00p.m.-8:50p.m. MAN 109 KOHLMEIER M

ART 111 BEGINNING PAINTING H,P 1515 N 3 TTh 6:00p.m.-8:50p.m. MAN 103 COOPER R
Uses CANVAS - enhanced.

ART 112 INTERMEDIATE PAINTING H,P 1520 N 3 TTh 6:00p.m.-8:50p.m. MAN 103 COOPER R

ART 113 ADVANCED PAINTING H,P 1525 N 3 TTh 6:00p.m.-8:50p.m. MAN 103 COOPER R

ART 155 BEGINNING DIGITAL PHOTOGRAPHY H,P 1540 N 5 TTh 5:00p.m.-8:30p.m. MAN 118 VANDERMATEN
Computer lab fee will be charged.
Lab Fee: $34.30

ART 241 BEGINNING CERAMIC ART H,P 1565 N 3 MW 6:00p.m.-8:50p.m. MAN 104 WOODS T
Lab Fee: $19.90

ART 242 INTERMEDIATE CERAMIC ART H,P 1575 N 3 MW 6:00p.m.-8:50p.m. MAN 104 WOODS T
Lab Fee: $27.00

ART 243 ADVANCED CERAMIC ART H,P 1585 N 3 MW 6:00p.m.-8:50p.m. MAN 104 WOODS T
Lab Fee: $27.00

Astronomy

ASTR 101 INTRODUCTION TO ASTRONOMY NSL 1635 N 5 T 5:15p.m.-6:45p.m. HSB 137 VASQUEZ J
Lab included.
Hybrid class; partly online.
Automotive Technology

There is a fee of $11.40 per student per quarter for all AMTC classes.

AMTC 101 ELECTRICAL SYSTEMS I
1440 A 5 MTWTh 7:30a.m.-12:00p.m. DTV 232 KILE C
Start Date: 09/22/14 End Date: 10/09/14

AMTC 102 ELECTRICAL SYSTEMS II
1445 A 10 MTWTh 7:30a.m.-12:00p.m. DTV 232 KILE C
Start Date: 10/13/14 End Date: 12/14/14

AMTC 216 AUTOMATIC TRANSMISSION
1450 A 8 MTWTh 7:00a.m.-12:00p.m. DTV 233 ROESKE G
Start Date: 09/22/14 End Date: 10/30/14

AMTC 217 POWERTRAINS
1455 A 6 MTWTh 7:30a.m.-12:00p.m. DTV 233 ROESKE G
Start Date: 11/03/14 End Date: 12/11/14

AMTC 299 INDEPENDENT STUDY
1470 A 1-3 ARR ARR ARR STAFF
Instructor permission required to enroll.

Biology

BIO& 100 SURVEY OF BIOLOGY
1655 A 5 MW 9:00a.m.-10:15a.m. HSB 123 MYERS L
Students must also enroll for one of the lab sections, BIO& 100 LA or LB.
Lab Fee: $27.30

BIO& 100 SURVEY OF BIOLOGY—LAB
1657 LA 0 MW 11:10a.m.-1:00p.m. HSB 304 MYERS L
1658 LB 0 MW 1:10p.m.-3:00p.m. HSB 304 MYERS L

BIO 130 BIODIVERSITY OF THE PACIFIC NW
3715 A 5 MW 10:10a.m.-1:40p.m. HSB 135 LAPIERRE L
Class will frequently meet outdoors. Field trips required.
Lab Fee: $24.10

BIO& 160 GENERAL BIOLOGY
1660 A 5 TTh 9:00a.m.-11:00a.m. HSB 123 MYERS L
Students must also enroll in one of the lab sections, BIO& 160 LA, LB, LC, or LD.
Lab Fee: $18.90
1665 B 5 MWF 3:00p.m.-4:10p.m. HSB 123 KEPLER C
Students must also enroll in one of the lab sections, BIO& 160 LA, LB, LC, or LD.
Lab Fee: $9.80

BIO& 241 HUMAN ANATOMY AND PHYSIOLOGY 1
1710 A 6 MW 11:10a.m.-12:25p.m. HSB 101 MEYERS R
Students must also enroll in one of the lab sections - BIO& 241 LA, LB, or LC.
Lab Fee: $21.70

BIO& 241 HUMAN ANATOMY AND PHYSIOLOGY 1—LAB
1720 LA 0 T 9:00a.m.-11:50a.m. HSB 306 DAILEY V
1725 LB 0 T 1:00p.m.-3:50p.m. HSB 306 DAILEY V
1730 LC 0 M 1:00p.m.-3:50p.m. HSB 306 DAILEY V

BIO& 242 HUMAN ANATOMY AND PHYSIOLOGY 2
1735 DE 6 ARR ARR MEYERS R
Online class. Lab included.

BIO& 260 MICROBIOLOGY
1740 A 5 MW 1:20p.m.-2:35p.m. HSB 123 FULLER K
Students must also enroll in one of the lab sections - BIO& 260 LA, LB or LC.
Lab Fee: $31.90

BIO& 260 MICROBIOLOGY—LAB
1750 LA 0 TTh 8:00a.m.-9:50a.m. HSB 302 FULLER K
1755 LB 0 TTh 10:00a.m.-11:50a.m. HSB 302 FULLER K
1760 LC 0 TTh 1:20p.m.-3:10p.m. HSB 302 FULLER K

Business Administration

BUS& 101 INTRODUCTION TO BUSINESS
2065 A 5 T 11:10a.m.-1:10p.m. AAR 104 STAFF
Hybrid class; partly online.

BUS 104 BUSINESS MATH APPLICATIONS
1970 A 5 Th 1:20p.m.-3:20p.m. PSC 104 ALLWINE T
Hybrid class; partly online.

BUS 119 BUSINESS COMMUNICATIONS
1975 A 5 W 1:20p.m.-2:45p.m. VOC 116 ALLWINE T
Hybrid class; partly online.

BUS 144 MANAGEMENT OF HUMAN RELATIONS:DIV
1980 A 5 T 1:20p.m.-3:20p.m. AAR 106 ALLWINE T
Hybrid class; partly online.

BUS 145 MANAGEMENT OF HUMAN RELATIONS:DIV
1985 B 5 Th 9:00a.m.-11:00a.m. VOC 116 ALLWINE T
Hybrid class; partly online.
Course # Course Name

BUS 150 CUSTOMER SERVICE/MANAGEMENT
- 2005 A 5 T 11:10a.m.-1:10p.m. AAR 103 ALLWINE T
  Hybrid class; partly online.
- 2010 DE 5 ARR ARR
  Online class.

BUS 159 PRINCIPLES OF RETAILING
- 2020 DE 5 ARR ARR DICKINSON G
  Online class.

BUS & 201 BUSINESS LAW SS
- 2080 A 5 TTh 1:20p.m.-3:20p.m. MAN 146 QUIRK A
- 2085 DE 5 ARR ARR QUIRK A
  Online class.

BUS 206 STATISTICAL METHODS NS
- 2025 A 5 DAILY 8:00a.m.-8:50a.m. AAR 124 SWEE R
- 2030 B 5 TTh 1:20p.m.-3:20p.m. MAN 233 DRAUS D
  Online homework and electronic textbook provided by Pearson Education.
  Any technical problems may be resolved by contacting Technical Support for MyLabsPlus at 1.888.883.1299 or helpdesk@lowercolumbia.mylabsplus.com
- 2035 DE 5 ARR ARR LUCAS J
  Online class.

BUS 240 PRINCIPLES OF SUPERVISION
- 2045 DE 5 ARR ARR STAFF
  Online class.

BUS 294 CAREER SUCCESS
- 2060 A 2 W 12:10p.m.-1:00p.m. AAR 124 HOMME S
  Hybrid class; partly online.

EVENING CLASSES

BUS 144 MANAGEMENT OF HUMAN RELATIONS:DIV D,SSA
- 2000 N 5 T 5:15p.m.-7:30p.m. VOC 116 STAFF
  Satisfies the Diversity requirement.
  Hybrid class; partly online.

BUS 206 STATISTICAL METHODS NS
- 2040 N 5 MW 5:15p.m.-7:20p.m. MAN 146 STETZER J
  Online homework and electronic textbook provided by Pearson Education.
  Any technical problems may be resolved by contacting Technical Support for MyLabsPlus at 1.888.883.1299 or helpdesk@lowercolumbia.mylabsplus.com

BTEC 165 CULTURAL AWARENESS FOR HEALTHCARE PROFESSIONALS
- 1887 A 2 T 9:00a.m.-10:00a.m. AAR 104 GAITHER M
  Hybrid class; partly online.

BTEC 171 MEDICAL RECEPTION PROCEDURES
- 1890 A 3 TTh 1:00p.m.-2:15p.m. HSB 248 MILLUS N
- 1895 B 3 TTh 2:30p.m.-3:45p.m. HSB 248 MILLUS N
- 1900 C 3 Th 4:00p.m.-5:30p.m. HSB 248 MILLUS N
  Hybrid class; partly online.

BTEC 181 MEDICAL TERMINOLOGY I
- 1905 DE 1-3 ARR ARR STAFF
  Online class.

BTEC 182 MEDICAL TERMINOLOGY II
- 1915 DE 1-3 ARR ARR STAFF
  Online class.

BTEC 294 CAREER SUCCESS
- 1940 A 2 W 12:10p.m.-1:00p.m. AAR 124 HOMME S
  Hybrid class; partly online.

EVENING CLASSES

BTEC 161 INTRODUCTION TO ICD-10 CODING
- 1880 N 5 MW 5:30p.m.-7:30p.m. AAR 103 BACKSTROM K
  Hybrid class; partly online.

Buying Your Books

The Lower Columbia College Bookstore makes it easy for you to get your textbooks. Here’s how:

- Stop by the Bookstore (in the Student Center) with your schedule and the staff will find your books for you. Some used books are available for most courses so, if possible, shop early.
- Buy books online at lowercolumbia.edu/bookstore and pick them up in-store or have them shipped to your home. Textbooks will be available online beginning August 11.

Bookstore Hours
September 2 - 18
Monday-Thursday, 8 a.m.-4:00 p.m.
Friday, 8 a.m.-2:00 p.m.
Extended hours first week of quarter.
Check Bookstore website in September

Fall Quarter Hours
Monday-Thursday, 7:30 a.m.-4:30 p.m.
Friday, 7:30 a.m.-2:00 p.m.

Book Buyback
Summer book buyback:
August 27 & 28, 8:30 a.m.-4 p.m.
Fall book buyback:
December 8, 12-4:30 p.m.
December 9-11, 8:30 a.m.-4:30 p.m.
December 12, 8:30 a.m.-1 p.m.
Any new BTEC students enrolled in arranged BTEC classes (shown as “ARR”) must attend a general orientation on Monday, September 22, at 9 a.m., 11 a.m., or 1 p.m., in AAR 109, Lab 5. All (new and returning) BTEC students must also attend class-specific orientations. Schedules will be posted in AAR 109, Lab 5 on Monday, September 22.

Please note: Students will be dropped from the class roster if they have not attended a class-specific orientation within five days of the beginning of the quarter. If you have any questions, please contact the lab at 360.442.2710.

Computer labs are open Monday-Friday 8 a.m.-3:45 p.m., Tuesday until 7 p.m. Testing times are Monday-Friday 9 a.m.-2 p.m., Tuesday until 6 p.m. Students must have photo ID to use the computer labs. Unless otherwise noted, a computer lab fee is charged for BTEC classes.

**BTEC 100 COMPUTER KEYBOARDING**
1780 P 1-3 ARR ARR AAR 109 GAITHER M
This course is graded on a pass/fail basis only. An orientation is required for this course. Sign up for orientation in AAR 109, Lab 5 or call 360.442.2710. Allow one hour for this orientation.

**BTEC 105 KEYBOARD SPEED/ACCURACY BUILDING**
1815 P 1-4 ARR ARR AAR 109 GAITHER M
This course is graded on a Pass/Fail basis only.

**BTEC 130 ELECTRONIC CALCULATORS**
1845 P 1-2 ARR ARR AAR 109 LEMMONS N
There is no computer lab fee for this class.

**BTEC 144 ONENOTE FUNDAMENTALS**
1820 P 1 ARR ARR AAR 109 LEMMONS N

**BTEC 145 INTRODUCTION TO MS WORD**
1850 P 1-5 ARR ARR AAR 109 GAITHER M

**BTEC 146 POWERPOINT FUNDAMENTALS**
1855 P 1-2 ARR ARR AAR 109 LEMMONS N

**BTEC 147 INTRODUCTION TO DESKTOP PUBLISHING**
1860 P 1-3 ARR ARR AAR 109 GAITHER M

**BTEC 149 INTERNET FUNDAMENTALS**
1875 P 1 ARR ARR AAR 109 GAITHER M

**BTEC 164 LEGAL ASPECTS OF THE MEDICAL OFFICE**
1885 P 1-2 ARR ARR AAR 109 LEMMONS N
There is no computer lab fee for this class.

**BTEC 181 MEDICAL TERMINOLOGY I**
1910 P 1-3 ARR ARR AAR 109 LEMMONS N

**BTEC 182 MEDICAL TERMINOLOGY II**
1920 P 1-3 ARR ARR AAR 109 LEMMONS N

**BTEC 230 LEGAL TERMINOLOGY**
1925 P 1-3 ARR ARR AAR 109 LEMMONS N

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**Chemical Dependency**

**EVENING CLASSES**

<table>
<thead>
<tr>
<th>REF</th>
<th>CRN</th>
<th>DAYS</th>
<th>TIME</th>
<th>PLACE</th>
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</thead>
<tbody>
<tr>
<td>CDS 101 INTRODUCTION TO ADDICTIONS &amp; CHEMICAL DEPENDENCY SS</td>
<td>2090 N 5 MW</td>
<td>6:00p.m.-8:00p.m.</td>
<td>MAN 234 WEAVER N</td>
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<tr>
<td>CDS 108 SCHOOL-BASED SUPPORT GROUPS</td>
<td>2095 N 4 F</td>
<td>5:15p.m.-8:00p.m.</td>
<td>AAR 106 MILLER S</td>
<td></td>
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<tr>
<td>CDS 113 TREATMENT PRINCIPLES AND CDS</td>
<td>2100 N 3 Th</td>
<td>5:30p.m.-8:00p.m.</td>
<td>AAR 106 GIRARD T</td>
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<tr>
<td>CDS 202 CDS COUNSELING WITH DIVERSE POPULATIONS</td>
<td>2110 N 3 T</td>
<td>5:30p.m.-8:00p.m.</td>
<td>MAN 233 NAGLE N</td>
<td></td>
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</table>

Please note: Students will be dropped from the class roster if they have not attended a class-specific orientation within five days of the beginning of the quarter. If you have any questions, please contact the lab at 360.442.2710.

**Chemistry**

**CHEM& 100 PREPARATORY CHEMISTRY NSA**
2145 A 5 MWF 11:10a.m.-12:35p.m. | HSB 123 HERBELIN A |

**CHEM& 110 CHEMICAL CONCEPTS W/LAB NSL**
2155 DE 5 ARR ARR | PECORE J |

**CHEM& 121 INTRODUCTION TO CHEMISTRY NSL**
2160 A 5 MWF 10:00a.m.-11:00a.m. | HSB 123 KEMP C |

Students must also enroll in one of the lab sections, CHEM& 121 LA or LB. Lab Fee: $12.60

**CHEM& 121 INTRODUCTION TO CHEMISTRY—LAB**
2165 LA 0 T 9:00a.m.-11:50a.m. | HSB 332 DE COOK A |

**CHEM& 161 ORGANIC CHEMISTRY I NSL**
2200 A 5 MWF 9:00a.m.-9:50a.m. | HSB 329 HERBELIN A |

Students must also enroll in one of the lab sections, CHEM& 161 LA or LB. Lab Fee: $31.90

**CHEM& 261 ORGANIC CHEMISTRY I—LAB**
2205 LA 0 MW 9:00a.m.-10:50a.m. | HSB 329 HERBELIN A |

**CHEM& 261 ORGANIC CHEMISTRY I—LAB**
2210 LB 0 T 9:00a.m.-10:50a.m. | HSB 329 HERBELIN A |

**CHEM& 261 ORGANIC CHEMISTRY I—LAB**
2215 LC 0 W 9:00a.m.-10:50a.m. | HSB 329 HERBELIN A |

**CHEM& 261 ORGANIC CHEMISTRY I—LAB**
2220 A 5 MWF 9:00a.m.-9:50a.m. | HSB 329 HERBELIN A |

Students must also enroll in one of the lab sections, CHEM& 261 LA or LB. Lab Fee: $22.80

**CHEM& 261 ORGANIC CHEMISTRY I—LAB**
2225 LA 0 MW 9:00a.m.-10:50a.m. | HSB 329 HERBELIN A |

**CHEM& 261 ORGANIC CHEMISTRY I—LAB**
2230 LB 0 TH 9:00a.m.-10:50a.m. | HSB 329 HERBELIN A |

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**Chemical Dependency**

**EVENING CLASSES**

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<tr>
<th>REF</th>
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<td>MAN 234 WEAVER N</td>
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<tr>
<td>CDS 108 SCHOOL-BASED SUPPORT GROUPS</td>
<td>2095 N 4 F</td>
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<td>5:30p.m.-8:00p.m.</td>
<td>MAN 233 NAGLE N</td>
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Prerequisite: CDS 101 and 113 with a grade of C or better.
### Computer Science

Unless noted otherwise, a computer lab fee is charged for all Computer Science classes.

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<th>Item#</th>
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<tr>
<td>CS 100</td>
<td>INTRODUCTION TO INFORMATION SYSTEMS</td>
<td>CS 111</td>
<td>INTRODUCTION TO WINDOWS</td>
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<td>2920 A</td>
<td>INTRODUCTION TO INFORMATION SYSTEMS</td>
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<td>INTRODUCTION TO WINDOWS</td>
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<tr>
<td>2930 B</td>
<td>INTRODUCTION TO MICROCOMPUTER APPLICATIONS</td>
<td>2960 A</td>
<td>INTRODUCTION TO SPREADSHEETS: EXCEL</td>
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<td>2935 C</td>
<td>INTRODUCTION TO DATABASE APPLICATIONS</td>
<td>2956 A</td>
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<td>2940 DE</td>
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<td>DIGITAL FORENSICS &amp; LAW</td>
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<td>2975 A</td>
<td>INTRODUCTION TO DATABASE APPLICATIONS</td>
<td>2995 A</td>
<td>DATABASE DEVELOPMENT</td>
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<td>2985 A</td>
<td>DATABASE DEVELOPMENT</td>
<td>3000 DE</td>
<td>DIGITAL FORENSICS &amp; LAW</td>
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<tr>
<td>2990 A</td>
<td>DATABASE DEVELOPMENT</td>
<td>3005 DE</td>
<td>DIGITAL FORENSICS LIVE &amp; MOBILE</td>
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<td>2995 A</td>
<td>DATABASE DEVELOPMENT</td>
<td>3010 A</td>
<td>DATA STRUCTURES I</td>
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### Chinese

The sections designated SP are self-paced classes. See Learning Commons section for more information.

**COLL 093 TEST TAKING**

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<td>2850 SP</td>
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**COLL 094 NOTE TAKING**

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**COLL 095 TIME MANAGEMENT**

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**COLL 096 TEXTBOOK READING**

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**COLL 101 FIRST YEAR SEMINAR I**

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**COLL 2010 COLLEGE KNOWLEDGE**

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### EVENING CLASSES

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<tr>
<td>2906</td>
<td>EVENING CLASSES</td>
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Cooperative Education

LCC's Cooperative Education Program enables students to earn college credit through supervised, work-based learning experience. This program integrates theories, concepts, and methods studied in the classroom with practical skills gained in the workplace. Students may earn one credit for every 33 hours of approved work experience. There is a limit of 1-5 credits per quarter, depending upon specific degree requirements.

To enroll in a Cooperative Education program, students must have prior permission from an instructor in the appropriate program and the Workforce Services Manager, Dani Trimble. For more information, contact Dani at 360.442.2622, email dtrimble@lowercolumbia.edu or stop by the Career Center, Admissions Building 120.

Cooperative Education 288 students must attend a mandatory orientation either 3-4 p.m. or 5:30-6:30 on September 17th, 2014. Orientations will be held in the Career Center, located in the Admissions Building, room 120.

Cooperative Education 289 students must also enroll in a 1-credit Cooperative Education 289 seminar. The seminar focuses on work-related topics that complement the student's work-based learning experience. The seminar meets weekly on Thursdays from noon until 1 p.m. in the Main Building (MAN), Room 125. A $13.70 lab fee will be charged for all 288 classes.

<table>
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<tr>
<th>Course #</th>
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<th>Cred. #</th>
<th>Days</th>
<th>Time</th>
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Dance

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<th>Days</th>
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<td>SHOW DANCE I</td>
<td>3035 A</td>
<td>1.5 MWF</td>
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DANCE 251 | SHOW DANCE IV | 3036 A | 1.5 MWF | 2:10p.m.-3:00p.m. | RCA 102 | DICK V |
| Lab Fee: $7.20 |

Evening Classes

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<td>DANCE 101</td>
<td>INTRODUCTION TO DANCE</td>
<td>3030 N</td>
<td>2 MW</td>
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Diesel/Heavy Equipment Technology

There is a fee of $11.40 per student per quarter for all DHET classes.

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<th>Item#</th>
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<td>ESSENTIALS OF MECHANICS</td>
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<td>DHET 141</td>
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<td>DHET 142</td>
<td>HYDRAULICS II</td>
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<td>DHET 215</td>
<td>HEAVY DUTY ENGINE PERFORMANCE</td>
<td>3080 A</td>
<td>15 MTWTh</td>
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<td>DTV 106A</td>
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<td>DHET 216</td>
<td>AUTO/DIESEL TUNE UP AND PERFORMANCE</td>
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Drafting

Unless noted otherwise, a computer lab fee is charged for all Drafting classes.

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<tr>
<td>DRFT 107</td>
<td>TECHNICAL GRAPHICS</td>
<td>3105 N</td>
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<td>VOC 113</td>
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<td>DRFT 151</td>
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<td>1-3 TTh</td>
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<td>ADVANCED TECHNICAL GRAPHICS</td>
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<td>DRFT 260</td>
<td>SURVEY OF CIVIL AND ARCHITECTURAL GRAPHICS</td>
<td>3125 N</td>
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<td>6:00p.m.-8:15p.m.</td>
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Criminal Justice

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<th>Item#</th>
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<tr>
<td>CJ 101 INTRODUCTION CRIMINAL JUSTICE</td>
<td>2235 A</td>
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<td>1:20p.m.-3:20p.m.</td>
<td>PSC 102</td>
<td>HAMILTON A</td>
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<td>CJ 110 CRIMINAL LAW</td>
<td>2240 A</td>
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<td>LIB 130</td>
<td>QUIRK A</td>
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<td>6:00p.m.-8:15p.m.</td>
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### Drama

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<td>3157</td>
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<td>11:10a.m.-12:35p.m.</td>
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<td>DRMA 106 INTRODUCTION TO ACTING I:IS</td>
<td>3130</td>
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<td>9:00a.m.-12:30p.m.</td>
<td>MAN 119</td>
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<td>DRMA 116 STAGE CRAFTS I</td>
<td>3135</td>
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<td>1:20p.m.-2:45p.m.</td>
<td>RCA 148</td>
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<td>DRMA 117 STAGE CRAFTS II</td>
<td>3140</td>
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<td>1:20p.m.-2:45p.m.</td>
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<td>DRMA 118 STAGE CRAFTS III</td>
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### Earth Science

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<td>ERSI 104 INTRODUCTION TO EARTH SCIENCE W/LAB</td>
<td>3735</td>
<td>A</td>
<td>5</td>
<td>MWF</td>
<td>11:10a.m.-12:00p.m.</td>
<td>HSB 139</td>
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<td>ERSI 105 EARTH SYSTEMS</td>
<td>3740</td>
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### Economics

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<th>Cred. #</th>
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<td>ECON 105 INTRODUCTION TO ECONOMICS</td>
<td>3235</td>
<td>A</td>
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<td>MTWTh</td>
<td>11:10a.m.-12:00p.m.</td>
<td>MAN 233</td>
<td>FRANZ J</td>
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<tr>
<td>ECON 202 MACRO ECONOMICS</td>
<td>3245</td>
<td>N</td>
<td>5</td>
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<td>5:30p.m.-7:45p.m.</td>
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### Education

Early Childhood Education

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<th>Cred. #</th>
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<td>3195</td>
<td>A</td>
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<td>VOC 111</td>
<td>AKINS-FIELDS</td>
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<tr>
<td>ECED 107 HEALTH/SAFETY/NUTRITION</td>
<td>3205</td>
<td>A</td>
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<td>4:00p.m.-6:00p.m.</td>
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<td>ZBAEREN J</td>
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<td>ECED 120 PRACTICUM-NURTURING RELATIONSHIPS</td>
<td>3212</td>
<td>A</td>
<td>2</td>
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<td>12:00p.m.-1:00p.m.</td>
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<tr>
<td>ECED 134 FAMILY CHILD CARE</td>
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<td>ECED 160 CURRICULUM DEVELOPMENT</td>
<td>3220</td>
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<td>10:00a.m.-12:30p.m.</td>
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<tr>
<td>ECED 186 SOCIAL-EMOTIONAL GROWTH</td>
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<td>ARR</td>
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<td>JOHNSON S</td>
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<tr>
<td>ECED 256 PRACTICUM IV/PRINCIPLES</td>
<td>3175</td>
<td>A</td>
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EVENING CLASSES

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<th>Sec. #</th>
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<tr>
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<td>3235</td>
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<td>11:10a.m.-12:00p.m.</td>
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<td>ECON 201 MICRO ECONOMICS</td>
<td>3240</td>
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<td>TTh</td>
<td>9:00a.m.-10:25a.m.</td>
<td>MAN 233</td>
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<tr>
<td>EDUCA 115 CHILD DEVELOPMENT</td>
<td>3275</td>
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<td>10:00a.m.-11:30a.m.</td>
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<td>EDUCA 130 GUIDING BEHAVIOR</td>
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<td>3</td>
<td>M</td>
<td>10:00a.m.-12:00p.m.</td>
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<td>EDUCA 136 SCHOOL AGE CARE</td>
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<td>ARR</td>
<td>ARR</td>
<td>AKINS-FIELDS</td>
<td></td>
</tr>
<tr>
<td>EDUC 191 INTRODUCTION TO TUTORING</td>
<td>3250</td>
<td>A</td>
<td>1</td>
<td>ARR</td>
<td>ARR</td>
<td>WILLIAMSON A</td>
<td></td>
</tr>
<tr>
<td>EDUCA 205 INTRODUCTION TO EDUCATION W/FIELD EXPERIENCE:DIV</td>
<td>3300</td>
<td>A</td>
<td>5</td>
<td>MW</td>
<td>4:00p.m.-5:30p.m.</td>
<td>VOC 111</td>
<td>WILLIAMSON A</td>
</tr>
</tbody>
</table>

LAWS course offered through South Puget Sound Community College.

<table>
<thead>
<tr>
<th>Course # Course Name</th>
<th>Item#</th>
<th>Sec. #</th>
<th>Cred. #</th>
<th>Days</th>
<th>Time</th>
<th>Place</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>EDUC 215 CLASSROOM MANAGEMENT</td>
<td>3255</td>
<td>N</td>
<td>3</td>
<td>T</td>
<td>5:30p.m.-7:00p.m.</td>
<td>VOC 111</td>
<td>GRIBSKOV D</td>
</tr>
</tbody>
</table>
Engineering

Unless otherwise noted, a computer lab fee is charged for all Engineering classes.

ENGR& 121 ENGINEERING GRAPHICS I

3695 A 1-3 MW 2:00p.m.-4:15p.m. HSB 135 MORRISON D
Prerequisite: ENGR& 121 or instructor permission.

ENGR& 122 ENGINEERING GRAPHICS II

3700 A 1-3 MW 2:00p.m.-4:15p.m. HSB 135 MORRISON D
Prerequisite: ENGR& 121 or instructor permission.

ENGR& 123 ENGINEERING GRAPHICS III

3705 A 1-3 MW 2:00p.m.-4:15p.m. HSB 135 MORRISON D
Prerequisite: ENGR& 121 or instructor permission.

ENGR& 214 STATICS

3710 A 5 DAILY 8:00a.m.-8:50a.m. HSB 135 MORRISON D
Prerequisite: MATH& 151 and either PHYS 251 or ENGR 106.

Evening Classes

ENGR& 205 DESIGN OF LOGIC CIRCUITS

3707 N 5 MW 4:45p.m.-7:45p.m. AAR 105 DERKACHT D
Prerequisite: MATH 141 or instructor permission.

English

Sections designated SP are self-paced classes. See Learning Commons section for more information.

ENGL 072 SENTENCE/PARAGRAPH STRUCTURE

3310 SP 1-2 ARR ARR LIB PERSONS C

ENGL 073 THE COLLEGE ESSAY

3315 SP 1-2 ARR ARR LIB PERSONS C

ENGL 090 SPELLING IMPROVEMENT

3320 SP 1 ARR ARR LIB PERSONS C

ENGL 094 SELF-PACED LEARNING LAB PRACTICUM

3322 SP 3 ARR ARR LIB PERSONS C

ENGL 095 GENERAL VOCABULARY BUILDING

3325 SP 1 ARR ARR LIB PERSONS C

ENGL 096 READING WORKSHOP I

3330 A 2 DAILY 2:00p.m.-2:50p.m. MAN 149 LEACH M

ENGL 097 READING WORKSHOP II

3335 A 2 DAILY 2:00p.m.-2:50p.m. MAN 149 LEACH M

ENGL 098 COLLEGE-READY ENGLISH I

3340 A 5 DAILY 8:00a.m.-8:50a.m. DTV 215 SHULKE D
3345 B 5 DAILY 8:00a.m.-8:50a.m. MAN 205 STAFF
3350 C 5 DAILY 9:00a.m.-9:50a.m. MAN 205 CONNOLLY B
3355 D 5 DAILY 10:00a.m.-10:50a.m. DTV 214 CONNOLLY B
3360 E 5 DAILY 11:00a.m.-11:50a.m. MAN 234 LEACH M
3365 F 5 DAILY 11:00a.m.-11:50a.m. DTV 214 CONNOLLY B
3370 G 5 DAILY 11:00a.m.-11:50a.m. DTV 215 SHULKE D
3375 H 5 DAILY 11:00a.m.-11:50a.m. VOC 116 SHULKE D
3380 I 5 MW 3:00p.m.-4:00p.m. MAN 125 STOWELL B
3385 J 5 MW 3:00p.m.-4:00p.m. AAR 104 ROOSE J

Online class.

ENGL 099 COLLEGE-READY ENGLISH II

Prerequisite: ENGL 098 with a grade of C or better.

3405 A 5 DAILY 8:00a.m.-8:50a.m. DTV 215 SHULKE D
3410 B 5 DAILY 8:00a.m.-8:50a.m. MAN 205 STAFF
3415 C 5 DAILY 9:00a.m.-9:50a.m. MAN 205 CONNOLLY B
3420 D 5 DAILY 10:00a.m.-10:50a.m. DTV 214 CONNOLLY B
3425 E 5 DAILY 11:00a.m.-11:50a.m. MAN 234 LEACH M
3430 F 5 DAILY 11:00a.m.-11:50a.m. DTV 214 CONNOLLY B
3435 G 5 DAILY 11:00a.m.-11:50a.m. DTV 215 SHULKE D
3440 H 5 DAILY 1:00p.m.-1:50p.m. VOC 116 SHULKE D
3455 L 5 MW 3:00p.m.-4:00p.m. MAN 125 STOWELL B
3422 DE 5 ARR ARR DIGERLANDO N

Online class.

ENGL 101 ENGLISH COMPOSITION I

3530 A 5 DAILY 8:00a.m.-8:50a.m. MAN 147 STAFF
3535 B 5 DAILY 8:00a.m.-8:50a.m. MAN 234 MOIR D
3540 C 5 DAILY 9:00a.m.-9:50a.m. DTV 214 STAFF
3545 DE 5 ARR ARR AUSTIN K

Online class.

3550 DE1 5 ARR ARR DIGERLANDO N
Online class.

3555 E 5 TTh 9:00a.m.-11:00a.m. MAN 146 FRANCKIEWICZ
3560 F 5 DAILY 10:00a.m.-10:50a.m. VOC 112 STOWELL B
3565 G 5 MW 11:00a.m.-11:50a.m. LIB 130 STAFF
3570 H 5 MWF 11:10a.m.-12:10p.m. MAN 233 ROOSE J
3575 I 5 TTh 11:10a.m.-11:50a.m. MAN 233 ROOSE J
3580 IS1 5 MW 12:10p.m.-1:10p.m. MAN 233 ROOSE J
3585 L 5 MWF 1:20p.m.-2:20p.m. AAR 123 ROOSE J
3590 J 5 MWF 1:20p.m.-2:20p.m. MAN 147 STAFF
3595 K 5 MW 1:20p.m.-2:20p.m. MAN 205 STAFF
3596 L 5 MW 1:20p.m.-2:20p.m. MAN 205 STAFF
3597 M 5 MW 1:20p.m.-2:20p.m. MAN 205 STAFF
3600 O 5 TTh 1:20p.m.-2:20p.m. MAN 146 FRANCKIEWICZ
3620 R 5 T 1:20p.m.-2:20p.m. MAN 146 FRANCKIEWICZ
3625 S 5 MW 1:20p.m.-2:20p.m. MAN 146 FRANCKIEWICZ
3635 U 5 TTh 9:00a.m.-11:00a.m. MAN 146 FRANCKIEWICZ
3640 V 5 MW 9:00a.m.-10:00a.m. MAN 146 FRANCKIEWICZ
3655 W 5 DAILY 9:00a.m.-9:50a.m. MAN 146 FRANCKIEWICZ
3657 X 5 DAILY 10:00a.m.-10:50a.m. MAN 146 FRANCKIEWICZ

ENGL 102 COMPOSITION II

3645 A 5 M 11:10a.m.-1:10p.m. MAN 147 DIGERLANDO N

Hybrid class; partly online.

3650 B 5 MW 9:00a.m.-11:00a.m. MAN 205 HULL K
3655 C 5 MW 11:10a.m.-1:10p.m. MAN 205 HULL K
3660 DE 5 ARR ARR MCCARTHY D

Online class.

3665 DE1 5 ARR ARR MCCARTHY D

Online class.

3670 E 5 MW 1:20p.m.-3:20p.m. MAN 205 HULL K

Hybrid class; partly online.

ENGL 104 REVIEW OF GRAMMAR AND PUNCTUATION

3465 DE 1-2 ARR ARR PERSONS C

Online class.

3470 SP 1-2 ARR ARR LIB PERSONS C

ENGL 110 INDUSTRIAL COMMUNICATION

3475 A 5 TTh 12:00p.m.-1:00p.m. MAN 147 DIGERLANDO N

Hybrid class; partly online.
Students Power Career Prospects with Biofuel

Lower Columbia College Diesel Instructor Jim Dillinger once missed out on a job because he lacked experience working with hybrid fuels. To make sure his students have the right industry skills for future jobs, Dillinger has created a biofuel production facility right on campus.

In addition to learning about diesel engines, hydraulics, electrical systems and transmissions, students take turns producing 100% biofuel from used cooking oil, courtesy of college food services. The process includes filtering out corn dogs and other food particles, then processing the oil and blending it with methanol and caustic potash which causes a chemical reaction to produce biofuel and glycerin. The latter is drained away and the biofuel is washed to clear out any remaining impurities.

This year the program has produced 700 gallons of biofuel and runs it in diesel equipment used for training in the LCC shop. In addition, the college has used the biofuel to run campus lawnmowers. LCC automotive students restored a damaged VW bug donated to the program which will also run on biofuel.

At a cost of $1.25 per gallon to produce, the biofuel is a bargain, plus it saves the expense of hauling away the used oil. An added bonus is the glycerin soap by-product which is excellent for cleaning up after a day working in the diesel lab.

Future learning opportunities will include assessing the impact of the biofuel on engines. College equipment has experienced no problems to date. Other benefits—cooking oil is repurposed and kept out of landfills, engines are quieter, and instead of diesel fumes the shop smells like french fries.

Top: Instructor Jim Dillinger explains the process and benefits of the biofuel production program.

Middle: The LCC Bio-Bug restored by Automotive Technology students runs on biofuel produced by Diesel Technology students.

Bottom: The training ambulance used by the LCC Fire Science program also runs on biofuel.

Fall Events at Lower Columbia College

**CONCERTS**

- November 20
  - Opera Gala
- December 5
  - Symphonic Band
- December 9
  - Jazz Band
- December 12
  - Choir
  
  7:30 p.m. • Wollenberg Auditorium
  lowercolumbia.edu/aande

**ART GALLERY**

Tracy/Chia-Hui Shen,
Al Crane, Anne Mavor
September 23 – October 16
Opening Reception:
September 23, 4-6 p.m.

Becky Knold
November 4 – December 4
Opening Reception:
November 4, 4-6 p.m.
lowercolumbia.edu/gallery

**THEATRE**

**Sherlock Holmes: The Final Adventure**

Doctor Watson tells the story in a series of flashbacks of the events that lead up to the final saga of Sherlock Holmes by Steven Dietz

November 19-22; 28, 29;
December 4-6

7:30 p.m. • Center Stage Theatre
lowercolumbia.edu/aande
LCC Ready to Help Fill STEM and Healthcare Jobs

Washington could add 110,000 new jobs by 2017 by closing skill gaps. Out of 25,000 jobs vacant for more than 90 days due to a shortage of qualified applicants, 80 percent are in high demand STEM and healthcare fields.

Lower Columbia College has been working hard for the past decade to prepare a greater number of adults for jobs in healthcare and science, technology, engineering and math (STEM) fields to help meet that demand.

The new LCC Health & Science Building, scheduled to open this fall, is the most visible symbol of increased focus on STEM and healthcare careers. But several innovative programs and activities have been offered on campus in recent years to turn the spotlight on developing a local workforce to fill the new jobs.

Filling The Pipeline
Some of the first students to occupy classrooms in the new facility will have past experience on campus through participation in programs developed to generate interest in science careers among young people.

At Saturday STEM workshops K12 students sample science through activities led by LCC faculty, such as Spiders, Frankenfoods, creating Digital Art, and building an App or a Virtual World.

A week-long summer camp teaches middle school students STEM-related concepts, primarily in physics and engineering and Family STEM night introduces grade-school age students and their parents to science concepts.

Quality Education At All Levels
Employers need workers with multiple levels of healthcare and STEM education, including short-term training certificates, associate degrees and bachelor’s degrees. LCC produces talented graduates to succeed at all of these levels.

Individual Certificate Programs, an innovative option developed by LCC, combine college studies with on-the-job training preparing skilled workers in just 18 months. Water treatment plant operators, chemical technicians and hemodialysis technicians are a few of the programs.

LCC’s award-winning nursing program has been training skilled healthcare professionals for 60 years and our partnership with Washington State University Vancouver will meet future industry needs by providing a smooth transition to bachelor’s degree studies through our Regional University Center.

Partnering with the Homeland Security Center of Excellence at Pierce College, LCC has expanded its three-quarter certificate in Digital Forensics into an Associate in Applied Science degree program in Emergency Management.

Advanced Degree Options
At the University Center, graduates of LCC’s Information Technology Specialist program can earn a BS in Applied Technology from Eastern Washington University. New at the Center this Fall are bachelor degree programs in Criminal Justice and Computer Science offered by City University of Seattle.

Thirty-five percent of the STEM bachelor-degree graduates at Washington four-year schools in 2011 started off at a community college. Our graduates say a strong foundation in math and science acquired at LCC prepared them well for university studies. LCC transfer students earn an average GPA of 3.34 in their junior- and senior-year coursework.

Replacing 50-year-old labs with modern facilities and $1.7 million in new equipment, funded by federal grant and the LCC Foundation, will boost LCC’s ability to provide the skilled workforce required to grow our regional economy. But at the heart of successful STEM and healthcare education are LCC’s dedicated faculty and strong community partnerships.

Save the Date!
Health & Science Building Dedication
Saturday September 20
1 p.m.
Tours • Demonstrations
### Environmental Science

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<tr>
<th>Course #</th>
<th>Course Name</th>
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<th>Cred. #</th>
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<th>Place</th>
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<tr>
<td>ENVS 150</td>
<td>ENVIRONMENT &amp; SOCIETY:DIV</td>
<td>D,NS</td>
<td>3720</td>
<td>DE</td>
<td>5</td>
<td>ARR</td>
<td>ARR</td>
<td>LAPIERRE L</td>
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Online class.

### Fire Science

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<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Item#</th>
<th>Sec. #</th>
<th>Cred. #</th>
<th>Days</th>
<th>Time</th>
<th>Place</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>FISC 101</td>
<td>INTRODUCTION TO FIRE PROTECTION</td>
<td>4365</td>
<td>A</td>
<td>3</td>
<td>W</td>
<td>1:30p.m.-4:30p.m.</td>
<td>DTV 202</td>
<td>NEW, M</td>
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<th>Time</th>
<th>Place</th>
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<tr>
<td>FISC 110</td>
<td>FIRE SCIENCE I</td>
<td>4375</td>
<td>A</td>
<td>3</td>
<td>T</td>
<td>1:30p.m.-4:30p.m.</td>
<td>AAR 102</td>
<td>NEW M</td>
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<tr>
<td>FISC 215</td>
<td>FIXED SYSTEMS AND EXTINGUISHERS</td>
<td>4390</td>
<td>A</td>
<td>3</td>
<td>Th</td>
<td>1:30p.m.-4:30p.m.</td>
<td>VOC 111</td>
<td>NEW M</td>
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### Geology

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<th>Course Name</th>
<th>Item#</th>
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<th>Cred. #</th>
<th>Days</th>
<th>Time</th>
<th>Place</th>
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<tbody>
<tr>
<td>GEOL&amp; 101</td>
<td>INTRODUCTION PHYSICAL GEOLOGY</td>
<td>NSL</td>
<td>4405</td>
<td>A</td>
<td>5</td>
<td>MWF</td>
<td>9:00a.m.-9:50a.m.</td>
<td>HSB 139</td>
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Lab included. Lab Fee: $16.40

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<th>Course #</th>
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<th>Sec. #</th>
<th>Cred. #</th>
<th>Days</th>
<th>Time</th>
<th>Place</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>GEOL&amp; 208</td>
<td>GEOLOGY OF THE PACIFIC NW</td>
<td>NSL</td>
<td>4410</td>
<td>DE</td>
<td>5</td>
<td>ARR</td>
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<td>DAWES R</td>
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Online class.

### Health

All Health 100 sections will be charged a $12.50 fee.

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<th>Item#</th>
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<th>Place</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>HLTH 100</td>
<td>OCCUPATIONAL SAFETY AND HEALTH</td>
<td></td>
<td>4580</td>
<td>A</td>
<td>3</td>
<td>MW</td>
<td>11:10a.m.-12:25p.m.</td>
<td>DTV 202</td>
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<th>Item#</th>
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<th>Cred. #</th>
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<th>Time</th>
<th>Place</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>HLTH 105</td>
<td>FIRST AID/CPR/BB PATHOGENS</td>
<td></td>
<td>4623</td>
<td>A</td>
<td>1</td>
<td>F</td>
<td>1:00p.m.-1:50p.m.</td>
<td>DTV 202</td>
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</table>


Start Date: 09/26/14 End Date: 10/24/14
Course # Course Name

HLTH 106 HEALTH TODAY

HLTH 4625 A 2 TTh 1:00p.m.-1:50p.m. AAR 124 ROSS E
HLTH 4635 C 2 TTh 4:00p.m.-4:50p.m. AAR 124 SANCHEZ E
HLTH 4630 DE 2 ARR ARR

Students must log into canvas for class instructions and syllabus. Online class.

EVENING CLASSES

HLTH 100 OCCUPATIONAL SAFETY AND HEALTH

4620 N 3 T 5:15p.m.-7:45p.m. DTV 202 JOHNSON B

Home & Family Life

HOFL 299 INDEPENDENT STUDY

4765 A 1-10 ARR ARR ARR WILLIAMSON A

Instructor permission required to enroll.

Human Development

HDEV 080 TRANSITIONS

4445 POP 2 TWTh 8:40a.m.-11:00a.m. HS SWIER K

HDEV 101 CAREER PLANNING

4450 A 2 TTh 11:30a.m.-12:20p.m. RCA 218 HOUGE J
4460 JS 2 TTh 10:00a.m.-11:10a.m. DTV 232 HOUGE J

Intensive late start class. Start date: October 20, 2014. Call the Entry Center at 360.442.2311 for information.

HDEV 116 LEADERSHIP/STUDENT GOVERNMENT

4475 A 1-3 T 11:10a.m.-1:10p.m. STC AHMADIFARD R
Th 11:00a.m.-12:00p.m. STC

HDEV 120 INDIVIDUAL & GROUP RELATIONS

4480 A 1-2 M 2:00p.m.-4:00p.m. MAN 148 MCNABB A

For class information, contact instructor at mmcnabb@lowercolumbia.edu

HDEV 128 TRANSFER PLANNING

4495 A ARR ARR WALKER N

HDEV 216 LEADERSHIP/STUDENT GOVERNMENT

4510 A 2 T 1:30p.m.-2:30p.m. RCA 218 DAHLKE J

Evening Classes

HDEV 115 STRESS MANAGEMENT

4470 N 2 Th 7:00p.m.-8:40p.m. MAN 147 HEDGLIN P

Humanities

HUM 106 COMMUNITY CONVERSATIONS

5170 A 1 Th 12:00p.m.-12:50p.m. RCA 106 SHAH C

Topic: Monsters Among Us - What we fear and what that tells us about ourselves.

HUM 107 HOW TO SEE A PLAY

5175 A 1 ARR ARR CORRELL D

Students must contact the instructor via email at dcorrell@lowercolumbia.edu no later than Friday, November 1, 2014.

HUM & 116 HUMANITIES 1

5185 A 5 DAILY 12:10p.m.-1:00p.m. AAR 106 LEACH M
## Individualized Certificate

The Individualized Certificate Program (ICP) provides an option for students to participate in a specialized training program combining LCC courses and a cooperative work experience with a local employer. Students will be expected to attend a classroom seminar to build a career portfolio while learning to conduct informational interviews with professionals in their field. Students will learn how to search for future employment and build an employment portfolio. Students may earn a Certificate of Proficiency (45+ credits) by completing all credit requirements established for their specialized program. For more information please contact the Workforce Services Manager, Dani Trimble, at 360.442.2622 or email dtrimble@lowercolumbia.edu

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<tr>
<th>Course #</th>
<th>Course Name</th>
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<tr>
<td>ICP 102</td>
<td>PHARMACY TECHNOLOGY FUNDAMENTALS</td>
<td>5190</td>
<td>MM 4</td>
<td>ARR</td>
<td>ARR</td>
<td>SCHURMAN J</td>
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<tr>
<td>ICP 299</td>
<td>INDEPENDENT STUDY</td>
<td>5205</td>
<td>A 1-10</td>
<td>ARR</td>
<td>ARR</td>
<td>STAFF</td>
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## Learning Commons

Learning Commons courses are independent study courses with SP (face-to-face) and DE (Distance Education) sections. Students in SP sections attend an orientation during the first two days of the quarter, September 22 and 23. Orientations are 9 a.m., 11 a.m. and 1 p.m. in the Learning Commons, located on the ground floor of the library.

<table>
<thead>
<tr>
<th>Course #</th>
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<th>Days</th>
<th>Time</th>
<th>Place</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>COLL 093</td>
<td>TEST TAKING</td>
<td>2850</td>
<td>SP 1</td>
<td>ARR</td>
<td>ARR</td>
<td>LIB</td>
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<td>PERSONS C</td>
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<td>COLL 096</td>
<td>TEXTBOOK READING</td>
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<td>LIB</td>
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## Library

Sections designated SP are self-paced classes. See the Learning Commons section for more information.

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<th>Course #</th>
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## Machine Trades

There is a fee of $11.40 per student per quarter for all MASP classes.

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<th>Course Name</th>
<th>Item#</th>
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<td>MACHINING FOR RELATED OCCUPATIONS</td>
<td>5540</td>
<td>A 2-6</td>
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<td>8:00a.m.-11:00a.m.</td>
<td>VOC 114</td>
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<td>MASP 111</td>
<td>MACHINE SHOP I</td>
<td>5555</td>
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Mathematics
(See also: Math Achievement Center)

Math classes at LCC are offered in three different formats to meet a variety of student needs:

- Standard math classes, where a lecture is presented and homework assigned.
- Online classes.
- Math Achievement Center classes, where students work on their own with the assistance of tutors and an instructor. See the next page.

It is very important that students take the Placement Assessment before enrolling in math classes. This test helps to ensure that any prerequisites are met and that students enroll in the proper level of mathematics. The Placement Assessment is given in the Entry Center. Call 360.442.2311 for more information.

Online homework and electronic textbook for all MATH 078/079, 088/089, 098/099, 141, 142, 153, and 210 provided by Pearson Education. To resolve technical problems, please contact Technical Support for MyLabsPlus at 1.888.883.1299 or helpdesk@lowercolumbia.mylabsplus.com

Please note: All mathematics prerequisites must be met with a grade of C or better. See your advisor or refer to the LCC catalog for more information.

Pre-College Math

MATH 050 REVIEW MATH-WHOLE NUMBERS
5665 A 1 DAILY 10:00a.m.-10:50a.m. RCA 220 TREVINO A
Start Date: 09/22/14 End Date: 10/17/14

MATH 078 PRE-COLLEGE MATH I
5675 A 3 DAILY 10:00a.m.-10:50a.m. RCA 220 TREVINO A
Start Date: 10/20/14 End Date: 12/05/14

MATH 078/079 PRE-COLLEGE MATH I — 5 Credits
5680 and 5681 B DAILY 8:00a.m.-8:50a.m. MAN 146 SKEIE T
5685 and 5686 C DAILY 9:00a.m.-9:50a.m. VOC 111 WOODWORTH J
5690 and 5691 D DAILY 9:00a.m.-9:50a.m. RCA 220 TREVOA K
5695 and 5696 E DAILY 10:00a.m.-10:50a.m. DTV 233 WOODWORTH J
5705 and 5706 F DAILY 11:10a.m.-12:00p.m. MAN 125 TREVINO A
5710 and 5711 G DAILY 12:10p.m.-1:00p.m. MAN 125 BYKER B
5715 and 5716 H DAILY 1:20p.m.-2:10p.m. AAR 103 STETZER J

Worried About College Math?

MATH BOOT CAMP
Registration Required

2-hour sessions, your choice of day:
- July 30, 5-8 p.m.
- August 13, 5-8 p.m.
- August 27, 12-3 p.m.

3-day, 3-hour session:
- September 8-10, 9 a.m.-12 p.m.

- Review important basic math concepts
- Learn study skills and strategies for test taking
- Practice using LCC’s online math lab

Boot Camps are designed and led by an LCC math instructor who will help you achieve your math goals.

360.442.2353
Course # Course Name

EVENING CLASSES

MATH 078/079 PRE-COLLEGE MATH I — 5 Credits
5720 and 5721 N MTWTh 5:15p.m.-6:15p.m. AAR 104 BABBICK L

MATH 088/089 PRE-COLLEGE MATH II — 5 Credits
5810 and 5811 N MTWTh 5:15p.m.-6:15p.m. AAR 119 DAMARIO L

MATH 089/098 PRE-COLLEGE MATH III — 5 Credits
5905 and 5906 DE DAILY ARR MAN 127 STAFF

College-Level Math

MATH 105 MATH FOR HEALTH SCIENCES
5980 A 5 MWF 1:20p.m.-2:45p.m. AAR 124 SWEE R

MATH 106 INDUSTRIAL MATH
5985 A 5 MWF 1:20p.m.-2:45p.m. MAN 125 BYKER B

MATH & 107 MATH IN SOCIETY NS
6045 A 5 MWF 1:20p.m.-2:45p.m. MAN 147 RHODE C
Prerequisite: MATH 099 with a grade of C or better.
6050 DE 5 ARR ARR
Prerequisite: MATH 099 with a grade of C or better.
Online class.

MATH & 131 MATH FOR ELEMENTARY EDUCATION 1
6060 A 5 MWF 11:10a.m.-12:55p.m. MAN 146 SKEIE T

MATH & 141 PRECALCULUS I
6070 B 5 MWF 11:10a.m.-12:35p.m. VOC 116 RHODE C
6075 LS 5 MWF 1:20p.m.-3:20p.m. MAN 146 BENJAMIN B
Online homework and electronic textbook provided by Pearson Education.
Any technical problems may be resolved by contacting Technical Support for MyLabsPlus at 1.888.883.1299 or helpdesk@lowercolumbia.mylabsplus.com

MATH & 142 PRE-CALCULUS II
6000 A 5 MWF 11:10a.m.-12:35p.m. AAR 104 MORRISON D
6076 LS 5 MTWTh 1:20p.m.-3:20p.m. MAN 146 BENJAMIN B

MATH 151 CALCULUS I NS
6080 A 5 DAILY 11:25a.m.-12:15p.m. PSC 104 SWEE R

MATH 210 ELEMENTS OF STATISTICS NS
6005 A 5 DAILY 8:00a.m.-8:50a.m. AAR 104 MORRISON D
6010 B 5 TTh 1:20p.m.-3:20p.m. MAN 233 SWEE R
Online homework and electronic textbook provided by Pearson Education.
Any technical problems may be resolved by contacting Technical Support for MyLabsPlus at 1.888.883.1299 or helpdesk@lowercolumbia.mylabsplus.com

MATH 254 CALCULUS IV
6090 A 5 MWF 12:25p.m.-1:50p.m. MAN 234 DRAUS D
Online homework and electronic textbook provided by Pearson Education.
Any technical problems may be resolved by contacting Technical Support for MyLabsPlus at 1.888.883.1299 or helpdesk@lowercolumbia.mylabsplus.com

Math Achievement Center

The Math Achievement Center, Main 127, is open Monday and Thursday, 9 a.m.-4 p.m., Tuesday and Wednesday, 9 a.m.-7 p.m., and Friday, 9 a.m.-3 p.m. Students work on their own with assistance of tutors and an instructor.

Students must attend a mandatory orientation the first day of the quarter from 9 a.m., 1 p.m. or 4 p.m. in Main 127. There is a minimum attendance requirement. You will receive this information at orientation.

Online homework and electronic textbook for all Pre-College Math requirement. You will receive this information at orientation.

MATH 050 REVIEW MATH-WHOLE NUMBER
5670 P 1 DAILY ARR MAN 127 STAFF

MATH 078 PRE-COLLEGE MATH I
5725 P 3 DAILY ARR MAN 127 STAFF

MATH 079 PRE-COLLEGE MATH I
5780 P 3 DAILY ARR MAN 127 STAFF

MATH 088 PRE-COLLEGE MATH II
5820 P 3 DAILY ARR MAN 127 STAFF

MATH 089 PRE-COLLEGE MATH II
5985 P 3 DAILY ARR MAN 127 STAFF

MATH 099 PRE-COLLEGE MATH III
5995 P 3 DAILY ARR MAN 127 STAFF

MATH 125 APPLIED COLLEGE ALGEBRA
5995 N 5 TTh 5:15p.m.-7:20p.m. MAN 146 RHODE C

MATH 210 ELEMENTS OF STATISTICS NS
6020 N 5 MW 5:15p.m.-7:20p.m. MAN 146 STETZER J
Online homework and electronic textbook provided by Pearson Education.
Any technical problems may be resolved by contacting Technical Support for MyLabsPlus at 1.888.883.1299 or helpdesk@lowercolumbia.mylabsplus.com

EVENING CLASSES
Medical Assisting

MEDA 101  MEDICAL VOCABULARY I  6095 A  3  MW  1:30p.m.-2:45p.m.  HSB 244  ENGEL E  Lab Fee: $9.00

MEDA 102  MEDICAL VOCABULARY II  6105 A  3  MW  3:15p.m.-4:30p.m.  HSB 244  ENGEL E  Lab Fee: $9.00

MEDA 120  SURVEY OF ANATOMY AND PHYSIOLOGY  6110 A  5  TTh  9:30a.m.-11:30a.m.  HSB 244  MAHON C  Program Director's permission required to enroll.

MEDA 161  EXAMINING ROOM PROCEDURES I  6115 A  4  M  8:30a.m.-11:00a.m.  HSB 244  SOLADEY V  Program Director's permission required to enroll. Students must also enroll for one of the lab sections, MEDA 161 LA or LB.  Lab Fee: $43.30

MEDA 161  EXAMINING ROOM PROCEDURES I—LAB  6125 LA  0  W  8:30a.m.-10:10a.m.  HSB 244  SOLADEY V  6120 LB  0  W  10:40a.m.-12:20p.m.  HSB 244  SOLADEY V

MEDA 205  CERTIFICATION REVIEW FOR MEDICAL ASSISTANTS  6130 DE  2  ARR  ARR  ARR  SOLADEY V  Online class.  Lab Fee: $12.00

EVENING CLASSES

MEDA 190  MEDICAL ASSISTING PRECEP  6127 MM  5  ARR  ARR  OC  ENGEL E  Instructor permission required to enroll.

Music

MUSC 100  FUNDAMENTALS OF MUSIC  6170 A  5  TTh  1:00p.m.-3:00p.m.  RCA 220  DAVIS R

MUSC 101  THEORY/MUSICSHIP I  6175 A  5  MWF  10:00a.m.-11:25a.m.  RCA 218  DAVIS R  Concurrent enrollment in MUSC 111 required.

MUSC 105  MUSIC APPRECIATION  6335 A  5  MWF  11:10a.m.-12:35p.m.  RCA 220  CHALLED G

MUSC 106  GROUP PIANO INSTRUCTION  6180 A  2  MW  11:45a.m.-1:00p.m.  RCA 221  HARBAUGH K  6185 B  2  TTh  11:00a.m.-12:15p.m.  RCA 221  DAVIS R

MUSC 111  EAR TRAINING I  6190 A  1  MW  11:25a.m.-11:50a.m.  RCA 218  DAVIS R

MUSC 119  AMERICAN MUSIC:DIV  6195 DE  5  ARR  ARR  NORWOOD K  Online class.

MUSC 121  BEGINNING GUITAR  6200 A  2  MW  1:10p.m.-2:00p.m.  RCA 221  HARBAUGH K

MUSC 126  APPLIED MUSIC I  1 credit  AAR  AAR  DAVIS R  6205 A  Piano  6225 E  Percussion  6210 B  Brass  6230 F  String  6215 C  Guitar  6235 G  Voice  6220 D  Organ  6240 H  Woodwind  Private music lessons are available in piano, brass, guitar, organ, percussion, string, and voice. Student pays for private lessons in addition to tuition. Instructor permission required to enroll.

MUSC 141  CONCERT CHOIR IV  6250 A  1.5  MWF  1:10p.m.-2:00p.m.  RCA 102  CHALLED G  Lab Fee: $7.20

MUSC 145  BEGINNING VOICE  6260 A  2  MW  10:10a.m.-11:00a.m.  RCA 102  CHALLED G  Lab Fee: $7.20

MUSC 151  SHOW CHOIR IV  6255 A  1.5  MWF  2:10p.m.-3:00p.m.  RCA 102  CHALLED G  Lab Fee: $7.20

MUSC 206  GROUP PIANO INSTRUCTION  6270 A  2  MW  11:45a.m.-1:00p.m.  RCA 221  HARBAUGH K  6275 B  2  TTh  11:00a.m.-12:15p.m.  RCA 221  DAVIS R

MUSC 222  OPERA WORKSHOP  6280 A  2  MW  4:10p.m.-5:00p.m.  RCA 102  CHALLED G

MUSC 226  APPLIED MUSIC I  1 credit  AAR  AAR  DAVIS R  6285 A  Piano  6305 E  Percussion  6290 B  Brass  6310 F  String  6295 C  Guitar  6315 G  Voice  6300 D  Organ  6320 H  Woodwind  Private music lessons are available in piano, brass, guitar, organ, percussion, string, and voice. Student pays for private lessons in addition to tuition. Instructor permission required to enroll.

MUSC 241  CONCERT CHOIR IV  6251 A  1.5  MWF  1:10p.m.-2:00p.m.  RCA 102  CHALLED G  Lab Fee: $7.20

MUSC 251  SHOW CHOIR IV  6256 A  1.5  MWF  2:10p.m.-3:00p.m.  RCA 102  CHALLED G  Lab Fee: $7.20

EVENING CLASSES

MUSC 130  JAZZ ENSEMBLE  6245 N  2  M  7:00p.m.-9:00p.m.  RCA 102  VALDEZ D  Instructor permission required to enroll.  Lab Fee: $7.20

MUSC 150  SYMPHONIC BAND  6265 N  2  Th  7:00p.m.-9:00p.m.  RCA 102  DAVIS R  Instructor permission required to enroll.  Lab Fee: $7.20
Nursing

The Lower Columbia College Nursing Program is committed to providing excellence in nursing education that encompasses critical thinking, competencies in the role of provider of care, manager of care and member in the discipline of nursing, with an emphasis on life-long learning. Nursing is a demanding and rewarding profession that requires strong communication skills, excellent problem-solving abilities, focused concentration when performing a task, attention to detail, the ability to work well with others, and extensive knowledge of the sciences.

Students interested in a nursing career can find information about LCC's nursing programs at lowercolumbia.edu/programs. Students who have been admitted to the nursing program should contact their advisor for course and registration information.

Nursing Assistant (NURS 090) is an 8-credit course that provides students the content and experience to give basic nursing care to patients under the supervision of a licensed nurse. Please contact Bev Ylen, Nursing and Allied Health Program Assistant, 360.442.2860 for course information and to register.

Nutrition

Hybrid class; partly online.

Oceanography

Online class.

Philosophy

A $7.20 fee is charged for each Physical Education class.

Physical Education

A $7.20 fee is charged for each Physical Education class.

PHED 104 BEGIN PILATES & STRETCH
6695 B 1 TTh 12:00p.m.-12:50p.m. RCA 139 SKERBECK C

PHED 105 PILATES & YOGA-BEGINNING
6690 A 1 MW 11:00a.m.-11:50a.m. RCA 139 ROSS E

PHED 120 CROSSTRAINING
6697 A 1 TTh 1:20p.m.-2:10p.m. STC ROSS E

PHED 121 BEGINNING FOIL FENCING
6700 A 1 Th 1:20p.m.-2:10p.m. MAN 148 SWEE R

PHED 122 INTERMEDIATE FOIL FENCING
6705 A 1 Th 1:20p.m.-2:10p.m. MAN 148 SWEE R

PHED 125 BOOT CAMP
6725 A 1 MW 10:00a.m.-10:50a.m. RCA 139 ROSS E

PHED 127 ZUMBA I
6710 A 1.5 MWF 12:00p.m.-12:50p.m. RCA 139 DAVIS T

PHED 128 WEIGHT TRAINING
6715 A 1-2 TTh 3:00p.m.-3:50p.m. STC SANCHEZ E

PHED 140 BASKETBALL: MEN
6730 A 1 DAILY 4:00p.m.-5:00p.m. AAR 106 ROFFLER J

PHED 141 BASKETBALL: WOMEN
6735 A 1 DAILY 2:00p.m.-3:00p.m. OC MEADORS C

PHED 146 FASTPITCH SOFTBALL-WOMEN
6740 A 1 DAILY 3:00p.m.-4:00p.m. OC MEADORS C

PHED 149 APPLIED SOCCER-WOMEN
6754 A 1 MTWTh 3:10p.m.-4:10p.m. AAR 144 CRUSER H

PHED 152 PERSONALIZED FITNESS
6750 DE 1 ARR ARR ARR  AAR 103 CRUSER H

PHED 160 BASEBALL
6755 A 1 MTWTh 2:00p.m.-3:00p.m. AAR 106 ROFFLER J

PHED 204 INTERMEDIATE PILATES & STRETCH
6775 B 1 TTh 12:00p.m.-12:50p.m. RCA 139 SKERBECK C

PHED 205 PILATES & YOGA-INTERMEDIATE
6770 A 1 MW 10:00a.m.-10:50a.m. RCA 139 ROSS E

PHED 220 CROSSTRAINING
6777 A 2 MW 1:00p.m.-1:50p.m. STC ROSS E

PHED 227 ZUMBA II
6780 A 1.5 MWF 12:00p.m.-12:50p.m. RCA 139 DAVIS T

PHED 228 WEIGHT TRAINING
6785 A 1-2 TTh 3:00p.m.-3:50p.m. STC SANCHEZ E

PHED 240 BASKETBALL: MEN
6800 A 1 DAILY 4:00p.m.-5:00p.m. AAR 106 ROFFLER J

PHED 241 BASKETBALL: WOMEN
6805 A 1 DAILY 2:00p.m.-3:00p.m. OC MEADORS C
### Physical Science

**EVENING CLASSES**

**PHED 246**  FASTPITCH SOFTBALL—WOMEN  
6810 A  1  DAILY  3:00p.m.-5:00p.m.  OC  FULLER T

**PHED 249**  APPLIED SOCCER—WOMEN  
6815 A  2  MTWTh  3:10p.m.-5:10p.m.  AAR 103  CRUSER H

**PHED 252**  PERSONALIZED FITNESS  
6820 DE  1  ARR  ARR  ARR  ROSS E

Students must log into canvas for class instructions and syllabus. Online class.

**PHED 260**  BASEBALL  
6825 A  1  MTWTh  2:00p.m.-4:30p.m.  ARR  SMITH E

### Political Science

**POL & 101**  INTRODUCTION POLITICAL SCIENCE  SS  
6920 A  5  MW  1:00p.m.-3:00p.m.  MAN 233  BENSON D

**POL & 202**  AMERICAN GOVERNMENT  SS  
6925 A  5  MW  9:00a.m.-11:00a.m.  MAN 234  BENSON D

### Process Manufacturing

**PMFG 150**  ELECTRICAL AND ELECTRONIC FUNDAMENTALS  
6905 A  6  MTWTh  3:20p.m.-5:00p.m.  VOC 116  JOINER T

**PMFG 151**  PROCESS CONTROL EQUIPMENT  
6910 N  5  MW  5:15p.m.-7:15p.m.  VOC 151  JOINER T

### Psychology

**PSYC & 100**  GENERAL PSYCHOLOGY  SS  
6955 A  5  TTh  9:00a.m.-11:00a.m.  MAN 235  WEAVER N

**PSYC & 200**  LIFESPAN PSYCHOLOGY  SS  
7000 A  5  TTh  9:00a.m.-11:00a.m.  PSC 102  HAYES B

**PSYC & 220**  ABNORMAL PSYCHOLOGY  SS  
7013 A  5  MW  1:20p.m.-3:20p.m.  MAN 235  STRAYER M

### Physics

**PHYS & 114**  GENERAL PHYSICS I  NSL  
6880 A  5  MWThF  8:00a.m.-8:50a.m.  HSB 137  LIVINS P

Students must also enroll in one of the lab sections, PHYS & 114 LA, LB or LC. Lab Fee: $21.70

**PHYS & 211**  ENGINEERING PHYSICS I  NSL  
6885 A  5  MWF  10:00a.m.-11:15a.m.  HSB 137  LIVINS P

Students must also enroll in one of the lab sections, PHYS & 221 LA, LB or LC. Lab Fee: $21.70

**PHYS & 221**  ENGINEERING PHYSICS I—LAB  
6890 LA  0  T  1:00p.m.-3:00p.m.  HSB 137  LIVINS P

6895 LB  0  Th  1:00p.m.-3:00p.m.  HSB 137  LIVINS P

6900 LC  0  ARR  ARR  HSB 137  LIVINS P
### Sociology

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### Spanish

All DE sections are online, using Maestro and email communication with the instructor. A Distance Education fee will be charged. After registering, students must contact Alex Emerson at aemerson@lowercolumbia.edu. The sections designated SP are self-paced classes. See Learning Commons section for more information. All sections of SPAN& 121, 122 and 123 satisfy the Diversity requirement.

<table>
<thead>
<tr>
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<td>SPAN 098</td>
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### Speech

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<td>SPCH 104</td>
<td>Interpersonal Communication</td>
<td>H</td>
<td></td>
<td>AAR 102</td>
<td>NEILL S</td>
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<td>7360 A</td>
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<td>7370 B</td>
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<td>7375 C</td>
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<td>MW</td>
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<td>Hybrid class; partly online.</td>
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<td>SUEK J</td>
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### Technology

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<tr>
<td>TECH 100</td>
<td>Advanced Principles of Technology</td>
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<td>7450 A</td>
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<td>1:20p.m.-4:00p.m.</td>
<td>VOC 115</td>
<td>GERICK J</td>
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### Evening Classes

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<th>Time</th>
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<tr>
<td>SPCH 104</td>
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<td>SPCH 110</td>
<td>Introduction to Public Speaking</td>
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<tr>
<td>SPCH 114</td>
<td>Small Group Communication</td>
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<td>SPCH 126</td>
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<td>SPCH 136</td>
<td>Intercollegiate Debate</td>
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<td>Forensic Management and Organization</td>
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## Welding Technology

A $11.40 per-credit fee to a maximum of $114 is charged for each welding class.

### WELD 105 RELATED WELDING I

<table>
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<tr>
<th>Course</th>
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<td>WELD 105</td>
<td>6</td>
<td>DAILY</td>
<td>8:00a.m.-11:00a.m.</td>
<td>VOC 161</td>
<td>EVALD A</td>
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<tr>
<td>WELD 151</td>
<td>6</td>
<td>1-6 MW</td>
<td>8:00a.m.-11:00a.m.</td>
<td>VOC 161</td>
<td>EVALD A</td>
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### WELD 221 WIRE MACHINE

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<td>8:00a.m.-11:00a.m.</td>
<td>VOC 161</td>
<td>BYRUM/EVALD</td>
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<tr>
<td>WELD 254</td>
<td>6</td>
<td>1-8 MW</td>
<td>8:00a.m.-11:00a.m.</td>
<td>VOC 161</td>
<td>BYRUM/EVALD</td>
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### WELD 255 ADVANCED WELDING PROCESSES

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<td>WELD 255</td>
<td>6</td>
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### WELD 299 INDEPENDENT STUDY

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<td>ARR</td>
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<td>WELD FACULTY</td>
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Instructor permission required to enroll.

### EVENING CLASSES

#### WELD 105 RELATED WELDING I

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#### WELD 151 INTRODUCTION TO OXY ACETYLENE

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#### WELD 203 INTRODUCTION TO ARC WELDING

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#### WELD 205 ADVANCED ARC WELDING

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#### WELD 207 ADVANCED WELDING APPLICATION

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<td>EVALD A</td>
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<tr>
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<td>T</td>
<td>6:00p.m.-9:00p.m.</td>
<td>VOC 161</td>
<td>EVALD A</td>
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<tr>
<td>WELD 209</td>
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<td>6:00p.m.-9:00p.m.</td>
<td>VOC 161</td>
<td>EVALD A</td>
</tr>
</tbody>
</table>

#### WELD 299 INDEPENDENT STUDY

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELD 299</td>
<td>1-10 ARR</td>
<td>ARR</td>
<td>ARR</td>
<td>WELD FACULTY</td>
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</table>

Instructor permission required to enroll.
**Adult Basic Education**

Adult Basic Education classes are non-credit classes available to anyone 16 years or older needing to review or learn basic skills. Classes cost $25 per quarter.

In addition to reading, writing and math skills, basic computer classes are also available. Pre-registration is encouraged, but students may enroll any time during the quarter. Language and math skills are assessed before you enroll. Students 16-18 need a signed release from their district high school. Call 360.442.2580 for more information.

**Longview ABE Classes**

**Lower Columbia College** (15th Ave., Vocational Building)

Daily 8:30 a.m.-9:20 a.m.
9:30 a.m.-10:20 a.m.
10:30 a.m.-11:20 a.m.
11:30 a.m.-12:20 p.m.
1:30 p.m.-2:20 p.m.
2:30 p.m.-3:20 p.m.
Mon–Thurs 5:30 p.m.-9:10 p.m.

**LCC Head Start** (19th Ave.)

Tues–Thurs 8:30 a.m.-11:20 a.m.

**GED Fast Track** (15th Avenue, Applied Arts 101)

Intensive, individualized instruction for students who are almost ready to take the GED tests.

Mon–Thurs 11:30 a.m.-2:00 p.m.
Mon–Thurs 6:00 p.m.-9:00 p.m.

**Goodwill** (15th Avenue)

Tues–Thurs 1:00 p.m.-2:55 p.m.
Mon & Fri 12:30 p.m.-2:50 p.m. (GED in Spanish)

**Kelso ABE Classes**

**Barnes Elementary School** (1601 Bowmont Ave.)

Tues–Thurs 9:00 a.m.-10:55 a.m.

**Woodland ABE Classes**

**Woodland Middle School**

Tues & Thurs 6:00 p.m.-9:20 p.m.

**I-BEST Job Training**

Do you need better reading, writing, mathematics, English or study skills to move up to a better job? I-BEST career training programs offer extra help for ABE and ESL students. See page 10.

**High School 21+**

High School 21+ is for students, 21 years or older, who want to finish their high school diploma and prepare for college or career at an affordable price. Both day and evening classes are available. Contact Sara Rinearson for information at 360.442.2585 or email srinearson@lowercolumbia.edu.

**English as a Second Language**

English as a Second Language classes are non-credit classes designed to teach reading, writing, speaking and listening. Classes cost $25 per quarter. They are held at Lower Columbia College, Woodland Middle School, St. Rose School, and other locations.

Students may enroll anytime during the quarter. Registration and language assessment take place the first day that students attend class. Call 360.442.2580 for more information.

**Longview ESL Classes**

**Lower Columbia College** (15th Ave., Vocational Building)

Daily 8:30 a.m.-9:20 a.m.
9:30 a.m.-11:10 a.m.
Mon–Thurs 5:30 p.m.-9:10 p.m.

**Broadway School** (8th Avenue and Broadway)

Tues–Thurs 9:00 a.m.-10:55 a.m.

**St. Rose School** (720 26th Avenue)

Tues & Thurs 6:00 p.m.-9:00 p.m.

**Woodland ESL Classes**

**Woodland Middle School**

Mon & Wed 6:00-9:20 p.m.

**LCC Offers New High School Diploma Program For Adults**

Adults, age 21 and older, have a new, low-cost option to earn a high school diploma through a program now available at Lower Columbia College. The HS21+ program is a comprehensive, competency-based approach tailored to adult learning styles, with both day and evening classes on campus and in the community.

Students earn credit toward a high school diploma both through classroom studies and by demonstrating knowledge gained in the workplace, life experiences and military service. Previous high school and college studies also count.

LCC instructors and staff assess students’ experiences to measure any gaps in education and work readiness and then create a plan to help them complete studies needed for their diploma.

HS21+ students are eligible for the Basic Skills tuition rate of $25 per quarter for classes needed to earn a diploma. Students may begin studies at any time. To get started, contact the Transitional Studies Department at 360.442.2580.

LCC began offering the HS21+ program in Summer 2013. Nearly 80 students have completed studies to graduate with their high school diploma through winter quarter. Even better, many graduates have continued on to college studies.
CORPORATE & CONTINUING EDUCATION

Corporate & Continuing Education at Lower Columbia College assists individuals and business/industry to meet their personal, professional and corporate education and training needs by offering non-credit classes to the community. These classes are offered both on-site and online, to accommodate the needs of our students.

Business & Professional Development

LCC offers a variety of services supporting workforce development and customized training through the Corporate & Continuing Education Department. Working with area businesses, industries and agencies, LCC offers Work Keys profiling and assessment services to provide employers, employees and job seekers with direct information regarding the skills needed to succeed in various jobs. Employees and job seekers can measure their skills and compare them to skill profiles for specific jobs. Follow-up training using Key Train and other tools is available.

Employees and job seekers can document skill proficiency by taking the three assessments on the National Career Readiness Certificate (NCRC) – Applied Mathematics, Reading for Information and Locating Information. The NCRC is a portable, evidence-based credential that certifies essential skills needed for workplace success.

LCC also offers computer skills testing, typing tests and other tests to measure the skill level of employees and applicants.

Support for companies looking for specialized training is also available. LCC frequently works with employers to provide or arrange customized training in a variety of areas, including job-specific Spanish language courses, quality assurance, business computer applications, customer service, and other areas critical to organizational success.

Microsoft Project 2010

Quit doing all the manual work in Excel and learn to use the dynamic, resource driven reporting tool, Microsoft Project. This course is designed to help you manage and master all the aspects of Microsoft Project 2010 from simple task management to Program and Portfolio management. Participants will learn how to address resource demand and capacity, as well as over and under allocations, all with visual reporting and proven techniques.

Participants will learn to:

• Create, manage and update dynamic project schedules
• Create and manage resources, resource pools and assignments
• Learn the do’s and don’ts of working with Microsoft Project
• Create useful views for tracking, dashboards, task usage
• Formatting tricks for automating critical path tracking
• Use reporting functions more effectively

Jerry Petrick, with the Small Business Development Center, is a certified Project Management Professional with more than 20 years’ experience managing and mentoring others to manage projects of various size, scope and duration across multiple industries. Join him for this two day training, October 16 and 17 from 8:30 a.m.-4:30 p.m. in the Applied Arts Building, $395

Item # 8165

Save the Date

3rd Annual Infant-3rd Grade Conference

Multiple Joyful Opportunities for Learning

Keynote Speaker

Gail Joseph Ph.D.

an assistant professor in the area of Educational Psychology and Early Childhood and Family Studies at the University of Washington

Saturday, November 15th

9 a.m.-3:30 p.m. • $30

Lower Columbia College, Rose Center

For more information, visit us at lowercolumbia.edu/ce
About Continuing Education

For the latest information about Continuing Education, see www.lowercolumbia.edu/ce or visit us on Facebook at “Lower Columbia College Continuing Education.”

It’s easy to sign up for classes:
• Call 360.442.2840 or 360.442.2841 to sign up over the phone with a Visa or a MasterCard. If we are away from the phone, please leave your name and return phone number on our voicemail and we will call you back.
• OR fill out the form on page 46 and mail it to us with a check, money order, or credit card information
• OR fax the form to 360.442.2609 with credit card info.

Questions? Call us!
Continuing Education, 360.442.2600
Business & Workforce Training, 360.442.2601
Community Education, 360.442.2840
Caregiving, 360.442.2602

Refund Policy:
If you decide not to take a class you’ve enrolled in, we must receive notice three business days prior to the course date in order for you to receive a refund. Refunds will automatically be issued in the event of course cancellation.

Continuing Education Online:
We offer online, short-term, non-credit courses for personal or professional development. To register for any of these classes or to view more course listings, in addition to the ones we have listed throughout, go to the provider websites listed below. Our online providers include:

■ ED2GO
www.lowercolumbia.edu/ed2go.
The Ed2go online instruction center is the leader in online learning for adults, providing quality online continuing education courses geared for you! These 6-week, highly interactive classes start the third Wednesday of each month. Most require only Internet access and an email account.
Choose from Career & Professional, Computers & Technology, Personal Development, Writing & Publishing, and more!

■ GATLIN EDUCATION SERVICES
www.gatlineducation.com/lccbic.
LCC, in partnership with Gatlin Education Services (GES), offers online open-enrollment programs designed to provide skills necessary to acquire professional level positions for many in-demand occupations. These programs are developed by a team of professionals from each field. Instructors/mentors are actively involved in your learning experience, responding to questions or concerns and encouraging and motivating students to succeed.
Areas of interest include: Healthcare & Fitness, Business & Professional, IT & Software Development, Management & Corporate, Media & Design, Hospitality & Gaming, Skilled Trades & Industrial, Sustainable Energy & Going Green, and more!

Workforce Training

Through our partnership with ed2go (formerly Gatlin Education Services) a number of open enrollment programs are available and can provide the skills necessary to acquire professional level positions for many in-demand occupations. You will receive an effective web-based learning experience. Each program includes a set of lessons and evaluations; grades are a combination of the instructor’s evaluation of students’ work and computer graded tests. Visit www.gatlineducation.com/lccbic for a full course listing.

Certified Mediator-ONLINE
The certified mediator training program offers a highly comprehensive conflict resolution education that can help you advance in your present job, add a sought-after skill to your resume, or set up a private practice. Offered in partnership with Mediators without Borders, this program includes online training in mediation and a 60 hour online internship where you can role play different mediation scenarios as a mediator, disputant or observer. Also, upon successful completion, you will be eligible to become a Certified Mediator through Mediator without Borders. The HR Certification Institute has also preapproved this program for recertification for HR professionals. 120 hours; $1795
Register at www.gatlineducation.com/lccbic

Certified National Pharmaceutical Representative-ONLINE
The Certified national Pharmaceutical Representative program will help you become an entry level, certified pharmaceutical sales representative, even if you don’t have pharmacology or medical education. Students will develop an understanding of pharmaceutical terms, definitions and abbreviations needed to sell; they will also learn the industries major product lines and categories. Gain knowledge of government reimbursement programs, drug discount cards, major concepts and components of managed care, main stakeholders in the managed care marketplace, drug marketing and group purchasing organizations. 90 hours; $1795.00
Register at www.gatlineducation.com/lccbic

Workplace Spanish
Command Spanish® Inc. is the country’s pioneer and leading provider of Spanish language training for the workplace.

• Business and Industry
• Education
• General Interest
• Healthcare
• Public Safety
• Law Enforcement, Corrections, & Probation

These courses are offered online. For only $69 you will have access to the coursework for 4 months! lowercolumbia.edu/ce
Food Handler Testing
LCC provides food handler training and testing for the Cowlitz County Health Department. The process consists of a 30 minute informational video, followed by a multiple-choice test. Study booklets are available free of charge at the LCC Admissions center. Food handler cards are valid for 2 years in all counties of Washington State. Current WA state food handler card is required for renewal cards. Testing is available on a first come, first served basis. You must have photo ID with you at the time of the test. For additional information call 442-2353. For offsite testing, please call 360.442.2840.

Flagger Certification
For more information, please contact Mary Harris at 360.442.2602 or mharris@lowercolumbia.edu

Continuing Education for Electricians
Lower Columbia College offers DOL approved electric courses taught by Wayne Wagner. Please contact Mary Harris at 360.442.2602 or mharris@lowercolumbia.edu for more information or a current schedule.

Continuing Education for Caregivers
Caregivers are required to take 12 hours of Continuing Education per year. All courses are DSHS approved for caregiver continuing education. Family caregivers, nursing students, medical assistants, RNs, and LPNs may also take these courses. Please check with your sponsoring agency to determine the appropriate courses. More classes may become available.
For more information about caregiver training or to register, please contact Mary Harris, Continuing Education Program Coordinator, 360.442.2602, mharris@lowercolumbia.edu.

Nurse Delegation
A self-study training course for Nursing Assistants who will accept and perform tasks delegated by a Registered Nurse (RN). For more information, contact Mary Harris, Continuing Education Program Coordinator, 360.442.2602, mharris@lowercolumbia.edu.

HIV/AIDS Education for Health Care Providers
LCC offers both 4- and 7-hour HIV/AIDS certification that meets Washington Department of Health Professional Licensing requirements. For more information, contact Mary Harris, Continuing Education Program Coordinator, 360.442.2602, mharris@lowercolumbia.edu.

Facebook for People over 40
Are you getting the most out of Facebook? If not then this course is for you. Facebook students will start by understanding why it is so popular and the things that they can do with it. They will further learn to build and modify a personal profile and privacy strategy in line with best practices and personal preferences. Additionally, students will learn the multi-media skills required to select and post pictures, video, documents and other media to their Facebook profiles, groups or pages. Finally, students will learn accelerated multi-media learning strategies that will transfer to other areas. (Mitchel Townsend) $29
CLCE 041 A 8160 T 9/23-10/14 6:00-8:00 p.m.

Multimedia and You-NEW
Pictures, Videos, Blogs, and Podcasts Oh My!! Have you ever wondered how to create colorful and rich Multimedia? Students will journey step by step through the process of designing, creating and constructing different types of Multimedia, learning why Multimedia is so powerful. Together we will create Multimedia magic! (Mitchel Townsend) $29
CLCE 041 B 8170 TH 9/25-10/16 6:00-8:00 p.m.

Computer Basics 1
Create a foundation by learning basic skills that can be used with the Windows software. Learn to create, save and open simple documents and files. The instructor will help you feel comfortable with practice, repetition and clear understandable instructions. He will also be able to answer the questions about computers that you never understood and didn’t know how to ask. AAR 108 (David Juneman) $39
CLCE 001 A 8000 F 9/12-10/3 3:30-5:30 p.m.

Computer Basics 2
This class emphasizes file management. Be more productive; make folders, move and organize files, and find lost files. Learn keyboard shortcuts, basic computer maintenance and new Windows skills. We will also learn to create basic Word and Excel documents. Basic computer skills or Computer Basics required. AAR 108 (David Juneman) $39
CLCE 002 B 8005 F 10/10-10/31 3:30-5:30 p.m.
**Internet and More**
Learn how to search the Web, use Facebook, create your Favorites, download software and use “tabbed” browsing. Find out how to send attachments and study the basics of email etiquette. This is the class you don’t want to miss! Computer Basics or basic computer skills are required. AAR 108 (David Juneman) $39
CLCE 003 C 8010 F 11/7-12/5 3:30-5:30 p.m.
Sign up for an individual course or take all three for $79! Save the cost of one class by taking all 3! Item #8015.

**Art & Culture**

**Intro to Photoshop and Digital Photography**
This course will introduce beginners to the basics of digital photography and Photoshop Elements. Classes will focus on resolution, color, composition and editing of photos before bringing them to class. Once in class, you will learn to enhance photos using the basic functions of Photoshop Elements and preparing photos for printing or uploading online. By the end of this course you should be able to take high resolution, well composed photos with a digital camera and use Photoshop Elements to enhance those photos.
MAN 118 (Christa Harden) $59
CLCE 012 A 8100 Sat 9/27-11/1 10 a.m.-12:00 p.m.

**Metal Art**
Enter the world of making junk into art! This class will inspire you to find scraps and assist you in exploring different techniques to express your creative side. You will learn safety and welding techniques and develop and understand different materials and how to manipulate them. You will explore different forms of metal sculptures and even produce a work of your own art by class end. Make money selling your reformed junk; this industry is growing and in demand. Junk will never look the same! LCC Welding Shop (Rodney Miller) $99
CLCE 019 A 8115 M 9/22-12/1 6:00-8:00 p.m.

**Community Choir**
Every voice matters in this class of community members. Participate and harmonize with peers as you expand and develop your vocal range. You will also have the opportunity to perform in the Rose Center!
RCA 102 (Gina Challed)
CLCE 020 A 8125 M 9/22-12/1 7:00-9:00 p.m.

**Symphonic Band**
Non-credit section for community members. Offers rehearsal and performances of standard concert band repertoire. Activities of this college/community band include performances for special civic events in community and public concerts. Instructor approval is required to enter this course.
RCA 102 (Rob Davis)
CLCE 023 A 8135 TH 9/25-12/4 7:00-9:00 p.m.

**Jazz Ensemble**
Non-credit section for community members. Preparation and performance of literature from the jazz idiom appropriate from small to large jazz ensemble for required on and off campus concerts. Jazz literature from the swing era to the present will include bebop, rock, funk, fusion and blues. Prior knowledge of jazz improvisation not required. Open to trumpet, trombone, all saxophone, drum, bass, and guitar players with strong musical skills and good music reading abilities. Prerequisite: Audition or approval by instructor.
RCA 102 (Rob Davis)
CLCE 026 A 8130 M 9/22-12/1 7:00-8:40 p.m.

**Hawaiian Culture and Hula**
Hawaii is so much more than white sandy beaches, sun and volcanoes. In this course on Hawaiian culture you will learn the history behind Hawaiian music, food, language, government and of course, dance. Each class will focus on one of the 8 Hawaiian Islands. You will have an opportunity to learn a variety of Hawaiian Hula dances and see how they fit into Hawaiian legends. Be sure not to miss the last class, as we will be preparing and sharing traditional Hawaiian dishes, luau style!
DTV 201 (Kate Denman) $39
CLCE 011 A 8120 T 10/14-12/2 6:00-7:30 p.m.

**College of Collage**
Experience the endless creative possibilities of collage. Few art methods allow such flexibility and personal narrative. This course will cover techniques for determining subject matter, integrating a variety of materials, and personalizing imagery. We will learn about adhesives, surfaces, and combinations of drawing and painting materials used in collage.
MAN 109 (Max Wade) $75
CLCE 018 A 8105 M 9/22-11/24 5:00-7:00 p.m.

**Painting Techniques**
Gain control of the art of painting. We will take painting from palette layout to finished works through the investigation of tools, material handling, color mixing, and traditional techniques. The class is designed for those who are embarking on painting as well as those with experience who want to refine their skills and techniques. Although acrylics will be preferred, students with experience who work in oils are encouraged to use that medium.
MAN 109 (Max Wade) $75
CLCE 018 B 8110 W 9/24-11/19 5:00-7:00 p.m.
Colored Pencil Techniques

Investigate the rich color possibilities of the colored pencil. This course will examine techniques for loose sketching, embellishing ink drawings and photocopied images, and drawing on toned surfaces. Artists can work in a highly detailed method, or abstractly. We will investigate a variety of blending, layering, burnishing, and direct drawing techniques. Students with all levels of experience will find the colored pencil an extremely flexible and vibrant drawing tool. DTV 201 (Max Wade) $75
CLCE 018 C 8175 TH 9/25-11/20 5:00-7:00 p.m.

Online Learning

Ed2go has over 300 instructor-facilitated online courses to choose from. Through well-crafted lessons, expert online instruction, and interaction with fellow students, you gain valuable knowledge at your convenience. New sessions start the 3rd Wednesday of every month and run for 6-weeks. Visit www.ed2go.com/lccbic or call 360.442.2840 for more information.

Achieving Top Search Engine Positions

Learn how to achieve top search engine positioning in this highly-interactive, six-week course. Discover how search engines work and how important events have shaped the entire Search Engine Optimization (SEO) industry. Learn which search engines are used the most frequently, and which ones you must absolutely get your site listed in. Master important HTML tags and understand how to use them effectively and ethically. Explore exciting and free online tools that can help you choose the most popular keywords related to the topic of your Web site. Domain, folder, and file naming conventions are discussed along with content layout and its effect on search engine positions. The entire SEO cycle is covered in detail, from primary keyword selection through the post-submission analysis. Register at www.ed2go.com/lccbic

Business Finance for Non-Finance Personnel

Are you interested in making better business decisions to increase your company’s profits, move you up the corporate ladder, and help you reach a better, personal financial position? Then you need to take this course. Using practical explanations and real-life examples, this course will show you how money flows through a typical business. You will learn the basics of how a business operates, including how to develop successful business strategies and how to use financial statements to make better business decisions. This is a business finance course for non-financial employees and managers. In six weeks, you will obtain significantly improved business acumen skills and financial understanding. Position yourself to be more confident in your business and financial decisions! Register at www.ed2go.com/lccbic

How to Get Started in Game Development

There’s never been a better time to start a career in the game development industry. Games can be found on computers, the Web, gaming consoles, and virtually every mobile tablet and phone. Industry forecasts indicate that gaming will be worth close to $100 billion dollars in the next two years. Talented, creative, and enthusiastic people are in great demand in this industry. Whether you want to start your own indie game project in your basement or work with a small creative team or for a large game development studio, this course will prepare you to start developing your own games. You’ll start by learning the fundamentals of game development and get an overview of game genres, platforms, and audiences. Next, you’ll learn tools and techniques to help you make better design decisions and achieve greater efficiencies as you develop your own games.

You’ll learn why many games fail and how to ensure your games are positioned for success. During the course, you’ll gain hands-on experience in many of the game development processes. By the end of the course, you’ll have the experience and confidence to start developing your own game. Register at www.ed2go.com/lccbic

Still Available for Summer

<table>
<thead>
<tr>
<th>Kids College</th>
<th>Recycled Art</th>
<th>July 14-17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kids College</td>
<td>Computer Essentials</td>
<td>July 21-24</td>
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<tr>
<td>Kids College</td>
<td>Hands-On Geometry</td>
<td>August 11-14</td>
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<tr>
<td>Kids College</td>
<td>Apple iMovie</td>
<td>August 18-21</td>
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<td>Portland Saturday</td>
<td>Market Day Trip</td>
<td>July 19</td>
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<td>Lewis River Falls</td>
<td>Day Trip</td>
<td>August 16</td>
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<td>How to Apple iPad</td>
<td>July 28</td>
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<td>CSI Bigfoot</td>
<td>July 8-August 5</td>
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<tr>
<td>Thinking Inside the Box</td>
<td>July 8-August 26</td>
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Register Online for Continuing Education Classes: lowercolumbia.edu/ce
Health & Wellness

Aquatic Fitness
Working practically every muscle in your body, swimming is an excellent exercise for improving strength, cardiovascular endurance and is gentle on the joints. Swimming is great for those who suffer from arthritis, fibromyalgia, or simply too much stress. Lap swim at your own pace if desired. Classes are held at Mark Morris Pool. (Tamora Haulk) $59

Session One
CLCE 035 A  8060   MWF  9/8-10/24  11:50 a.m.-12:45 p.m.

Session Two
CLCE 035 B  8065   MWF  10/27-12/19  11:50 a.m.-12:45 p.m.

Prime Time Fitness
Rev up your metabolism and strengthen your entire body with a combination of fitness exercises to firm and tone muscles. BEGIN with a warm up to increase flexibility and balance, ADD a conditioning unit that targets the core, and FINISH with a weight strengthening workout using hand weights. Increase your strength and stamina and lose the belly fat. Wear comfortable clothing and bring a water bottle. Weights are available or bring your own. Classes are held at the Trinity Lutheran Church. (Pat Smith) $47

Session One
CLCE 031 A  8030   MW  9/8-10/29  9:15-10:15 a.m.

Session Two
CLCE 031 B  8035   MW  11/3-1/7  9:15-10:15 a.m.

Zumba Fitness!
Ditch the workout and join the PARTY! The Zumba fitness program fuses hypnotic Latin rhythms and easy-to-follow moves. The routines feature interval training sessions where fast and slow rhythms and resistance training are combined to tone and sculpt your body while burning fat. Add some Latin flavor and international zest into the mix and you’ve got a Zumba class! Join the fun! RCA 139 (Tracy Davis) $59

Session One
CLCE 030 A  8020   TTH  9/9-10/23  5:30-6:30 p.m.

Session Two
CLCE 030 B  8025   TTH  10/28-12/18  5:30-6:30 p.m.

Better Bones & Balance
Research shows that targeted exercise later in life slows bone loss and improves strength and balance which may reduce fall risk. This class is safe for individuals with osteoporosis and osteopenia. Better Bones and Balance will significantly slow the rate of bone loss, build muscle mass and improve balance and flexibility in adults of all ages! Bring a pair of indoor shoes, a mat, and hand weights (3, 4, or 5 pounds). Classes meet at the Youth and Family Link Gym. (Judy Bain, Mary Ann Mabey) $49

Session One
CLCE 036 A  8070   MW  9/15-11/19  7:00-7:50 a.m.
CLCE 036 B  8075   MW  9/15-11/19  8:00-8:50 a.m.
CLCE 036 C  8080   MW  9/15-11/19  9:00-9:50 a.m.

Session One
CLCE 036 D  8085   MW  9/15-11/19  10:00-10:50 a.m.

Session Two
CLCE 036 E  8090   MW  9/15-11/19  11:00-11:50 a.m.

Session Two
CLCE 036 F  8095   TH  9/18-11/20  10:15-11:05 a.m.

Beginning Better Bones & Balance
For beginners or anyone who prefers a lower intensity class. Please bring hand weights (3, 4, or 5 pounds). Classes meet at the Youth and Family Link Gym. (Judy Bain) $49

Basic Better Bones and Balance
This class is for you if you have not exercised for a while, or you’re being released from a medical injury. Stretching, strengthening and having fun is the basis for this class. Some standing and lots of chair exercising. The power of movement is what it’s all about. Classes meet at the Youth and Family Link Gym. (Judy Bain) $49

Pilates Core Challenge
Pilates has been shown to improve range of motion, flexibility, circulation and posture! We will explore a series of NEW exercises each week, with some standard and advanced moves and still incorporate a few of the original exercises into each class. Pilates is a great workout for everyone, and you are encouraged to challenge yourself a little more each time! RCA 139 (Jayne Poole) $60

Session One
CLCE 034 A  8050   MW  9/22-11/3  5:30-6:30 p.m.

Session Two
CLCE 034 B  8055   MW  11/12-12/17  5:30-6:30 p.m.

Low Impact Aerobics
This is a great way to increase stamina, flexibility and cardio endurance. Movements are gentle on the joints and easy to follow. From beginning to advanced levels of intensity, work at your own pace! Classes meet at the Youth and Family Link Gym. (Judy Bain) $14

CLCE 036 F  8095   TH  9/18-11/20  10:15-11:05 a.m.
Wild Water Rafting: Tieton River

The Tieton River is the most anticipated river stretch of the season. Located just west of Yakima on Hwy 12 in the Okanogan Wenatchee National Forest, the Tieton river roars with excitement for 14 miles of class III+ whitewater. While just a creek in the summer months, in September Rimrock Lake is released feeding the mighty Tieton River creating roller coaster like wave trains, and rapids such as “High noon”, “Wafflewall,” and “Grasshopper.” With fall colors surrounding you, warm desert weather and water that has been heated by the summer months you’ll be happy to get the chance to raft on this river in September. The Tieton River marks the end of the whitewater season in Washington State, so make sure to book a trip on this beautiful stretch before the water is gone for the year. (Wildwater River Tours) $69

CLCE 039 A  8150  Sat  9/20/14  1:30-5:30 p.m.

Maryhill Museum of Art-NEW

The landscape of the Maryhill Museum of Art is just as beautiful as the collections you’ll find inside. Set on a 5300- acre site overlooking the Columbia River Gorge, the Maryhill Museum is a stunning cultural destination. Home to 80 works by Auguste Rodin, European and American paintings, art and artifacts from Queen Marie of Romania, and an American Indian collection from prehistoric to contemporary. Maryhill Museum boosts an on-site café, garden and picnic grounds and is just steps away from Maryhill Winery! Transportation to and from Maryhill is provided; lunch and viewing can be done on your own or as a group. (Staff) $35

CLCE 038 A  8140  Sat  10/18/14  9:00 a.m.-4:00 p.m.

Washington State History Museum-NEW

The Washington State History Museum is full of interactive exhibits, theatrical storytelling, artifacts and displays that will take you on a journey through our great state’s history. You can wonder through exhibits and be transported back in time and learn the stories behind that characters and events that shaped the growth of our area. From the tale of woman’s suffrage to the mystery of D.B. Cooper, this museum has it all. Transportation to and from Tacoma and your museum ticket is provided; lunch and viewing can be done on your own or as a group. (Staff) $35

CLCE 038 B  8145  Sat  11/15/14  9:00 a.m.-4:00 p.m.

Are you passionate about a particular subject and would love to share with others? Continuing Education would like to speak to you!

Call Leeann Curry at 360.442.2840 for more details!
Sign up now! Continuing Education

**Student ID (if known)**

DOB (mm/dd/yyyy)

Signature (required for enrollment)

Last Name

First Name

Middle Initial

Previous Last Name

Mailing Address

City

State

Zip Code

E-mail Address

Home Phone

Work Phone

Cell Phone

ENROLLMENT INFORMATION

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<td>10/15</td>
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**Have you ever attended classes at LCC?**

☐ Yes  ☐ No Last year attended __________________________

**How did you hear about this class?**

_________________________________________________

_________________________________________________

**Any other classes you’d like to see at LCC?**

_________________________________________________

_________________________________________________

**Mail your completed form with payment to complete enrollment.**

**REFUND POLICY:** Written notice must be received 3 business days prior to the course start date in order to receive a refund on courses you have enrolled in. Refunds will be issued automatically if a course is closed or canceled.

Class enrollment is first-come, first-served. Register early to secure your place in your preferred courses.

*The Student ID # is assigned by Lower Columbia College to provide specific identification for every student. Your Student ID Number is NOT your Social Security number.*
Veteran’s Services

Lower Columbia College has been designated as a Military Friendly School on the basis of its educational programs, support services and financial assistance dedicated to helping veterans and members of the military succeed in their college goals. The ranking by GI Jobs goes to just the top 15% of colleges in the nation that meet this criteria.

The college offers approved educational programs to eligible veterans and eligible dependents of deceased or totally disabled veterans under Title 38 and Title 10, U.S. Code.

LCC staff provides assistance with completing the process to apply for college funds, veteran’s health benefits and other college services. To get started, veterans need Copy #4 of their DD Form 214, Report of Separation from Active Service.

Resident veterans who served, or who provided direct support to American soldiers, in a combat zone may also qualify for special tuition rates and other financial aid.

Veterans planning to enroll at LCC are encouraged to familiarize themselves with available VA Education Benefits.

The College participates in the following V.A. educational programs

- Montgomery GI Bill—Active Duty program based on the veteran’s active military service;
- Montgomery GI Bill—Selected Reserve program for military reserve and National Guard service;
- The V.A. Vocational Rehabilitation program for veterans with service-connected disabilities;
- The Survivors and Dependents Educational Assistance program.

Lower Columbia College Veteran Alliance

If you are a veteran who has served in the Armed Forces and are attending Lower Columbia College, you are invited to join our Veterans’ Voices Group, which meets twice each month. Veterans decide the meeting agenda. Some possible topics include:

- Navigating the Veteran’s Affairs system
- Financial Aid for college
- National scholarships available to veterans
- Housing Assistance information
- VFW Presentations
- Connecting with other veterans on campus
- Making the transition back home
- Outreach projects for military and veteran community
- Veteran-related campus events
- Employment assistance through work source veterans representative

Veteran’s Corner

The LCC Veteran’s Corner is upstairs in the Student Center. There will be a Vet Corps Navigator working in the Veteran’s Corner from September through June to help veterans with questions about benefits, attending college, job searches or just to talk. Please stop by!

For more information call 360.442.2346
GENERAL INFORMATION

■ ADVISING
New students may contact entry advisors daily through the Entry Center in the Admissions Center. Returning students should contact their advisors at lowercolumbia.edu/directory or the Entry Center if they have questions.
360.442.2311 entry@lowercolumbia.edu

■ CAREER AND EMPLOYMENT SERVICES
Assess your interests, explore careers, research training, find openings in your field, and get help with career planning in the Admissions Center.
360.442.2330 lowercolumbia.edu/careercenter

■ CHILD CARE/PRESCHOOL
Child care for children, one month to six years, is available for LCC students, staff, faculty, and community members in Home and Family Life. Children are cared for in a quality environment while learning skills and concepts based on best practices and current research in Early Childhood Education.
360.442.2890

■ COOPERATIVE EDUCATION
Contracted work experience related to a degree or certificate program coordinated with the employer, instructor/coordinator, and student to meet specific learning objectives. See page 21 for classes.

■ COUNSELING CENTER
Counselors help students with academic, personal, and crisis situations. Find out about student success groups too.
360.442.2311

■ DINING
Student Center Café: 8 a.m.–1:30 p.m. Monday–Friday; Espresso Bar: Opens 7:30 a.m. Monday–Friday; Rose Center Encore Concessions: 9 a.m.–1 p.m. Monday–Thursday, closed Friday.

■ DISABILITY SUPPORT SERVICES
If you have a disability, the Disability Support Services Office in Admissions Center Room 143, may be able to provide reasonable accommodation, arrange auxiliary aids, advising, admission, registration, referrals, counseling, educational and vocational planning and voter registration.
360.442.2341 lowercolumbia.edu/disability

■ FINANCIAL AID
Apply early for financial aid; processing takes 3-6 weeks. Priority Application deadline for Fall is August 11. Details on page 7.
360.442.2390 lowercolumbia.edu/finaid

■ GED TESTING
GED testing at LCC is now all computer based. What does this mean for you?
• Register, schedule, and pay online 24/7
• Get your test results immediately
• Computer based testing has a higher pass rate versus paper testing: 88% vs. 71%
For test and orientation dates: lowercolumbia.edu/ged or 360.442.2353
LCC now offers the 2014 GED series. Go to GED.com to sign up for your exam!

■ INSURANCE AVAILABLE TO STUDENTS
LCC offers an accident and sickness insurance plan designed for students. Brochures are available in the Admission Center.

■ LEARNING COMMONS AND LIBRARY
Hours: Monday–Thursday: 7:30 a.m.-7 p.m.; Friday: 7:30 a.m.-4 p.m.; Saturday: 10 a.m.-2 p.m.

■ PLACEMENT ASSESSMENT
Students enrolling in degree/certificate programs must take a placement assessment in reading, writing, and math. Placement assessments are offered in the Admissions Center testing lab, open 8 a.m.-5 p.m. Monday–Thursday. Testing takes approximately 3 hours and is done on a drop-in basis; no appointment necessary. The cost is included in the $30 new student fee.
360.442.2353

■ RUNNING START
High School juniors and seniors may be eligible to take college classes for credit toward both their high school diploma and their college degree program. Advance planning is required.
360.442.2352

■ TECH PREP/CAREER PATHWAYS
High school students can take specific high school courses and receive credit toward both their high school diploma and LCC degree. See your high school counselor for details.

■ TUTORING SERVICES
Tutoring Services provides one-on-one and small group sessions in nearly every discipline. Tutors can assist with specific course content, plus general study skills, such as time management, lecture note-taking and textbook reading. Tutoring is offered in the Learning Commons: Monday–Thursday 7:30 a.m.-6 p.m., Friday 7:30 a.m.-4 p.m., Saturday 10 a.m.-2 p.m.
lowercolumbia.edu/tutoring

■ WITHDRAWAL
If you leave a class without completing it, withdraw or arrange an “incomplete” with your instructor in order to avoid receiving a poor final grade. Forms and information are available in the Registration Office. Check withdrawal deadlines on page 4. If your class ends before the end of the quarter, you may withdraw through the last day of instruction for that class.

■ WORKER RETRAINING
For dislocated workers and others seeking employment, training orientations are offered from 1:30-2:30 p.m. every Monday (except holidays), Admissions Center, Room 120.
360.442.2330 workerretraining@lowercolumbia.edu
1. Don Talley Building (DTV)
2. Myklebust Gymnasium (GYM)
3. Steam Plant (SPL)
4. Vocational Building (VOC)
5. Applied Arts Building (AAR)
6. Science Building (SCI)
7. Physical Science Center (PSC)
8. Admissions Center (ADC)
   • Career Services
   • Cashiers
   • Disability Support Services
   • Financial Aid
   • Registration
   • Testing Center
9. Library- Alan Thompson (LIB)
   • eLearning
   • Regional University Center
   • Tutoring Center
10. Instructional Office Building (IOB)
11. Rose Center for the Arts (RCA)
12. International Center (INC)
13. Main Building (MAN)
14. Administration Building (ADM)
15. Head Start/Home & Family Life Center (HFL)
16. Batting Barn (BTB)
17. Student Center (STC)
   • Bookstore
   • Dining
   • Student Activities Office
   • Student IDs/Information
18. Campus Services Building (CMS)
19. Head Start East Building (HSE)
20. Health and Science Building (HSC)

Note: Buildings are not physically numbered. The numbers on this map are for key purposes only.
Save $$$ on Textbooks and Transportation

Textbook Rentals Reap Big Savings
Lower Columbia College students can save money on books and transportation this fall.

Rent your textbooks through the LCC Bookstore for an average savings of 60%. Since September 2013, LCC students saved over $68,000 by renting textbooks (an average of $68.40 per book).

Books for about half of the classes offered each quarter are available for rent. To see a list of textbooks available for rental, stop by the Bookstore.

Now, LCC Students Ride FREE
Ride RiverCities transit at no charge. Just show your LCC Student ID card. You’ll save fuel costs and other travel expenses, plus no hassles looking for a convenient place to park on campus during peak class times.

The LCC contract allows you to use RiverCities transit for all your travel needs around Cowlitz County. Check ‘Parking’ at lowercolumbia.edu for more information and a link to bus schedules.