



LOWER COLUMBIA COLLEGE

*The Smart Choice!*

FALL 2014 CLASS SCHEDULE



FALL CLASSES BEGIN SEPTEMBER 22

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## 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 .....

Fridays .....

#### Cashiering –

Monday–Thursday .....

Fridays .....

**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.

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## 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](http://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](mailto: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 its class offerings as necessary. For the latest information, please check the online class schedule at [lowercolumbia.edu/classes](http://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.



## 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

### 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](http://lowercolumbia.edu/international) or email [international@lowercolumbia.edu](mailto:international@lowercolumbia.edu)



### 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](http://lowercolumbia.edu) under the Programs of Study link or from program advisor David Rosi, [drosi@lowercolumbia.edu](mailto:drosi@lowercolumbia.edu)



# HOW TO REGISTER

Go to [lowercolumbia.edu/registration](http://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](http://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.

## 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

*Cashier, the Entry Center, Financial Aid, Advising, Registration, and Testing are located in the Admissions Center.*

*Questions? Contact the Entry Center, [entry@lowercolumbia.edu](mailto:entry@lowercolumbia.edu), phone 360.442.2311 or toll-free 1.866.900.2311.*

## 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](http://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](http://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.

### Not planning a degree or certificate?

Register at Registration starting June 9. Pay your tuition at the Cashier, pay online or set up a payment plan online.

**Non-credit classes:** Continuing Education class listings and registration information begin on page 37.

## 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](http://lowercolumbia.edu/online-services)

# ONLINE REGISTRATION & PAYMENT

Go to [lowercolumbia.edu/registration](http://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.

## ONLINE REGISTRATION WORKSHEET

Dept.	Course #	Item #	Section	Credits	M	T	W	Th	F	Time	Bldg/Rm	Entry Code

### Alternate Classes


### Capstone (CPSTN) Course

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### 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.

### 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 plus \$1.25 per credit facilities use fee and applicable lab fees.

2014-2015 Tuition and Fee Schedule					
(Facilities Use, Technology, Tutor Center, Gym Remodel fees included)					
	A	B	C	D	E
# Cr.	Wash. State Residents	Oregon Border Residents	US Citizens & INS Permanent Residents	Foreign & US Citizens Not Meeting Req's	Veterans
1	114.84	124.47	129.28	286.84	90.78
2	229.68	248.94	258.56	573.68	181.56
3	344.52	373.41	387.84	860.52	272.34
4	459.36	497.88	517.12	1,147.36	363.12
5	574.20	622.35	646.40	1,434.20	453.90
6	689.04	746.82	775.68	1,721.04	544.68
7	803.88	871.29	904.96	2,007.88	635.46
8	918.72	995.76	1,034.24	2,294.72	726.24
9	1,033.56	1,120.23	1,163.52	2,581.56	817.02
10	1,148.40	1,244.70	1,292.80	2,868.40	907.80
11	1,206.39	1,307.37	1,357.82	2,931.40	954.08
12	1,264.38	1,370.04	1,422.84	2,994.40	1,000.36
13	1,318.62	1,428.96	1,484.11	3,053.65	1,042.89
14	1,372.86	1,487.88	1,545.38	3,112.90	1,085.42
15	1,427.10	1,546.80	1,606.65	3,172.15	1,127.95
16	1,481.34	1,605.72	1,667.92	3,231.40	1,170.48
17	1,535.58	1,664.64	1,729.19	3,290.65	1,213.01
18	1,589.82	1,723.56	1,790.46	3,349.90	1,255.54
19	1,686.08	1,829.45	1,901.16	3,618.16	1,327.74
20	1,782.34	1,935.34	2,011.86	3,886.42	1,399.94
21	1,878.60	2,041.23	2,122.56	4,154.68	1,472.14
22	1,974.86	2,147.12	2,233.26	4,422.94	1,544.34
23	2,071.12	2,253.01	2,343.96	4,691.20	1,616.54

## 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/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](http://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](http://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](http://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](http://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.

# Lower Columbia Regional University Center

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.



## 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.

### Associate Degree Transfer Options

Students who complete the AA-DTA at LCC are generally admitted with junior standing by all public universities in the state, some in Oregon and by most Washington private colleges. LCC also has agreements with bachelor degree-granting colleges for students majoring in business, engineering, education, science and other fields.

Community college transfer students made up 40 percent of the 20,499 graduates earning a bachelor degree from Washington public universities in 2011.

They graduated with virtually the same number of credits as students who started as freshmen at a university – an indicator of the smooth transfer between two-year and four-year colleges.

Transfer students graduated in all subjects, including:

- 47% of all business majors
- 46% of all health field majors
- 35% of all STEM majors (science, technology, engineering, and math)

The LCC Transfer Center hosts representatives from universities and colleges on campus each quarter to meet with students planning to transfer. The Transfer Club coordinates road trips to various colleges and universities.

For information about LCC transfer options and services for transfer students, visit: [lowercolumbia.edu/transfer](http://lowercolumbia.edu/transfer)

### 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.*
- **Additional 5 credits** in a different discipline can be taken from any category listed above.

*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

Lower Columbia College	\$4,279
Washington Public Universities	\$7,568-\$12,399

# 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.

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

### 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.

<b>DHET 100</b>	<b>Essentials of Mechanics</b>
<b>DHET 141</b>	<b>Hydraulics I</b>
<b>DHET 142</b>	<b>Hydraulics II</b>

### 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.

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

### 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.

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

### 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.

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

### NEW! Medical Assistant

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

<b>MEDA 120</b>	<b>Survey of Anatomy and Physiology</b>
<b>MEDA 161</b>	<b>Examining Room Procedures I</b>

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](mailto:jyates@lowercolumbia.edu)

## Integrative Studies: *Image & Reality*

Monday-Thursday, 9:00 a.m.-12:30 p.m.

Instructors: Don Correll, Cheryl Ronish, Mike Strayer



"Freudian Slip"

*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**

## 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:

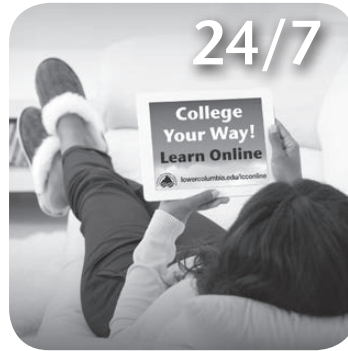
**CHIN& 121, Chinese I:DIV, 5 credits (item #2215)**



Instructor, Yuan Zou



# College Your Way: Flexible Choices



## ONLINE LEARNING @ LCC

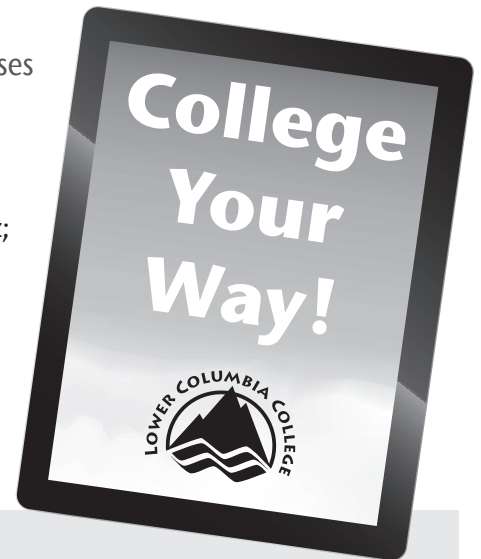
Online learning at Lower Columbia College offers flexibility for those with work, family and other responsibilities to complete college courses and even a degree without a regular commute to campus.

**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

ACCT& 201	Principles of Accounting I	BUS& 101	Introduction to Business	EDUC& 136	School Age Care	MUSC 119	American Music:DIV
AH 100	Blood Borne Pathogens & Infections	BUS& 201	Business Law	ENGL 104	Review of Grammar and Punctuation	NUTR& 101	Nutrition
AH 104	Healthcare Foundations	CHEM& 110	Chemical Concepts w/Lab	ENGL 270	Literature For Children	OCEA& 101	Introduction to Oceanography
AH 114	Healthcare Communication Skills	CJ& 110	Criminal Law	ENGL& 101	English Composition I	PHED 152	Personalized Fitness
ART 226	History of Western Art	COLL 093	Test Taking	ENGL& 102	Composition II	PHED 252	Personalized Fitness
ART& 100	Art Appreciation:DIV	COLL 094	Note Taking	ENVS 150	Environment & Society:DIV	POLS& 202	American Government
BIOL& 160	General Biology w/Lab	COLL 095	Time Management	ERSI 105	Earth Systems	PSYC& 100	General Psychology
BIOL& 241	Human A & P 1 w/Lab	COLL 096	Textbook Reading	GEOL& 208	Geology Of Pacific NW	PSYC& 200	Lifespan Psychology
BIOL& 242	Human A & P 2 w/Lab	COLL 101	First Year Seminar I	HIST& 136	US History 1	SOC& 101	Introduction to Sociology:DIV
BIOL& 260	Microbiology	COLL 104	College Knowledge	HIST& 137	US History 2	*SPAN& 121	Spanish I:DIV
BTEC 181	Medical Terminology I	CS 110	Microcomputer Applications	HLTH 106	Health Today	*SPAN& 122	Spanish II:DIV
BTEC 182	Medical Terminology II	CS 121	Introduction to Spreadsheets	LIBR 094	Information Literacy 1	*SPAN& 123	Spanish III:DIV
BUS 144	Management/Human Relations:DIV	CS 250	Digital Forensics & Law	LIBR 104	Information Literacy 2	*SPAN& 221	Spanish IV
BUS 150	Customer Service/Management	CS 253	Digital Forensics Live & Mobile	*MATH 088/089	Pre-College Math II	*SPAN& 222	Spanish V
BUS 159	Principles of Retailing	ECED 186	Social-Emotional Growth	*MATH 098/099	Pre-College Math III	*SPAN& 223	Spanish VI
BUS 206	Statistical Methods	ECED& 134	Family Child Care	MATH 210	Elements Of Statistics	SPCH 110	Introduction to Public Speaking
BUS 240	Principles of Supervision	ECED& 170	Environments-Young Child	MATH& 107	Math In Society		
		ECON 105	Introduction To Economics	MEDA 205	Certification Review for Medical Assistants		

*\*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](http://lowercolumbia.edu/email) to find out more!**

### 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](mailto: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.*



### 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.

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

## 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](http://lowercolumbia.edu/classes/final-exams.aspx)

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

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.



# CLASS LISTINGS

## 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

### ACCT 101 INTRODUCTION TO ACCOUNTING CONCEPTS

▽ 1310 A 5 TTh 9:00a.m.-11:00a.m. AAR 103 STANLEY J  
Computer lab fee will be charged.

### ACCT& 201 PRINCIPLES OF ACCOUNTING I

▽ 1345 A 5 MW 9:00a.m.-10:25a.m. AAR 103 STANLEY J  
Computer lab fee will be charged.  
Hybrid class; partly online.

▽ 1350 DE 5 ARR ARR STANLEY J  
Computer lab fee will be charged.  
Online class.

### ACCT 241 INTRODUCTION TO QUICKBOOKS

▽ 1325 A 4 T 1:20p.m.-3:20p.m. AAR 108 CUMMINGS D  
Computer lab fee will be charged.  
Hybrid class; partly online.

### ACCT 244 INDIVIDUAL INCOME TAXATION

1330 A 5 TTh 9:00a.m.-11:00a.m. AAR 102 RUA D

#### EVENING CLASSES

### ACCT 101 INTRODUCTION TO ACCOUNTING CONCEPTS

▽ 1315 N 5 T 5:15p.m.-7:15p.m. AAR 103 STANLEY J  
Computer lab fee will be charged.  
Hybrid class; partly online.

Course # Course Name

▽ Item# Sec. # Cred. # Days Time Place Instructor

## Allied Health

### AH 100 BLOOD BORNE PATHOGENS AND INFECTION CONTROL

▽ 1360 DE 1 ARR ARR SOLADEY V  
Online class.

### AH 104 HEALTHCARE FOUNDATIONS

▽ 1370 DE 2 ARR ARR COLEMAN K  
Online class.  
▽ 1375 DE1 2 ARR ARR YARBROUGH S  
Online class.  
Start Date: 09/22/14 End Date: 10/24/14

### AH 112 BODY STRUCTURE, FUNCTION AND TERMINOLOGY

▽ 1395 A 1 T 4:00p.m.-4:50p.m. HSB 222A ENGEL E

### AH 114 HEALTHCARE COMMUNICATION SKILLS

▽ 1405 DE 2 ARR ARR COLEMAN K  
Online class.  
▽ 1410 DE1 2 ARR ARR YARBROUGH S  
Online class.  
Start Date: 10/27/14 End Date: 12/05/14

### AH 230 MANAGEMENT ISSUES IN HEALTH CARE

▽ 1425 A 1 M ARR HSB 248 YARBROUGH S  
This class meets three times - September 25, 12:15 p.m.-3 p.m.; October 9, 12 p.m.-3 p.m.; October 23, 12:15 p.m.-3 p.m. Concurrent enrollment in NURS 201 required.  
Hybrid class; partly online.

#### EVENING CLASSES

### AH 104 HEALTHCARE FOUNDATIONS

▽ 1390 N 2 W 5:15p.m.-7:00p.m. HSB 222A ENGEL E  
Hybrid class; partly online.

### AH 114 HEALTHCARE COMMUNICATION SKILLS

▽ 1420 N 2 Th 5:15p.m.-7:00p.m. HSB 249 ENGEL E  
Hybrid class; partly online.

## American Sign Language

### ASL& 121 AM SIGN LANGUAGE I

1557 A 5 MW 9:00a.m.-11:00a.m. HSB 104 JACOBS H

### ASL& 123 AM SIGN LANGUAGE III

1558 A 5 TTh 9:00a.m.-11:00a.m. HSB 104 JACOBS H

## Anthropology


### ANTH& 205 BIOLOGICAL ANTHROPOLOGY

1475 A 5 MWF 11:10a.m.-12:35p.m. MAN 145 NS  
SHAW D

## Course # Course Name

 Item# Sec. # Cred. # Days Time Place Instructor

## 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**

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 TTh 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**

1600 MM1- 3 ARR ARR WOODS T

Instructor permission required to enroll.

Lab Fee: \$27.00

**ART 295 ART STUDIO LAB-PHOTOGRAPHY**

1605 MM1- 3 ARR ARR VANDERMATEN


Instructor permission required to enroll.

Lab Fee: \$34.30

**ART 297 PHOTOSHOP INDEPENDENT STUDY**

1610 MM1- 3 ARR ARR

NEELY D

**ART 299 INDEPENDENT STUDY**
 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

## EVENING CLASSES

**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.

## Course # Course Name

Item# Sec. # Cred. # Days Time Place Instructor

## 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: 12/11/14

**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 STAFF  
Instructor permission required to enroll.

## Biology

**BIOL& 100 SURVEY OF BIOLOGY**

NSL

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

**BIOL& 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

**BIOL 130 BIODIVERSITY OF THE PACIFIC NW**

NSL

▽ 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

**BIOL& 160 GENERAL BIOLOGY**

NSL

▽ 1660 A 5 TTh 9:00a.m.-11:00a.m. HSB 123 MYERS L  
Students must also enroll in one of the lab sections, BIOL& 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, BIOL& 160 LA, LB, LC, or LD.  
Lab Fee: \$9.80

▽ 1670 DE 5 ARR ARR MYERS L  
Online class. Lab included.

**BIOL& 160 GENERAL BIOLOGY—LAB**

1675 LA 0 Th 11:10a.m.-1:00p.m. HSB 304 MYERS L  
1680 LB 0 F 9:00a.m.-10:50a.m. HSB 304 MYERS L  
1685 LC 0 F 11:10a.m.-1:00p.m. HSB 304 MYERS L  
1690 LD 0 F 1:10p.m.-3:00p.m. HSB 304 KEPLER C

**BIOL& 211 MAJORS BIOLOGY CELLULAR**

NSL

▽ 1700 A 5 TTh 1:20p.m.-2:35p.m. HSB 304 LAPIERRE L  
TTh 2:50p.m.-4:40p.m. HSB 304  
Lab included. Lab Fee: \$21.70

**BIOL& 241 HUMAN ANATOMY AND PHYSIOLOGY 1**

NSL

▽ 1710 A 6 MWF 11:10a.m.-12:25p.m. HSB 101 MEYERS R  
Students must also enroll in one of the lab sections - BIOL& 241 LA, LB, or LC.  
Lab Fee: \$21.70

▽ 1715 DE 6 ARR ARR MEYERS R  
Online class. Lab included.

**BIOL& 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

**BIOL& 242 HUMAN ANATOMY AND PHYSIOLOGY 2**

NSL

▽ 1735 DE 6 ARR ARR MEYERS R  
Online class. Lab included.

**BIOL& 260 MICROBIOLOGY**

NSL

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

▽ 1745 DE 5 ARR ARR FULLER K  
Online class. Lab included.

**BIOL& 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

**BIOL 299 INDEPENDENT STUDY**

1650 MM 2 ARR ARR MEYERS R

### EVENING CLASSES

**BIOL& 160 GENERAL BIOLOGY W/LAB**

NSL

▽ 1695 N 5 T 5:15p.m.-7:30p.m. HSB 302 KEPLER C  
Lab included.  
Hybrid class; partly online.  
Lab Fee: \$18.90

## Business Administration

**BUS& 101 INTRODUCTION TO BUSINESS**

SS

▽ 2065 A 5 T 11:10a.m.-1:10p.m. AAR 104 STAFF  
Hybrid class; partly online.

▽ 2070 B 5 M 1:20p.m.-2:45p.m. AAR 104 ALKAZIN SE  
Hybrid class; partly online.

▽ 2075 DE 5 ARR ARR ALKAZIN SE  
Online class.

**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. AAR 104 STAFF  
Hybrid class; partly online.

**BUS 144 MANAGEMENT OF HUMAN RELATIONS:DIV**

D,SSA

▽ 1980 A 5 T 1:20p.m.-3:20p.m. AAR 106 ALLWINE T  
Hybrid class; partly online.

▽ 1985 B 5 Th 9:00a.m.-11:00a.m. VOC 116 ALLWINE T  
Hybrid class; partly online.

▽ 1990 DE 5 ARR ARR ALLWINE T  
Online class.



## Course # Course Name

## ▽ Item# Sec. # Cred. # Days Time Place Instructor

**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		ALLWINE T
Online class.					

**BUS 159 PRINCIPLES OF RETAILING**

▽ 2020 DE	5	ARR	ARR		DICKINSON G
Online class.					

**BUS& 201 BUSINESS LAW**

2080 A	5	TTh	1:20p.m.-3:20p.m.	MAN 146	QUIRK A
SS					
▽ 2085 DE	5	ARR	ARR		QUIRK A
Online class.					

**BUS 206 STATISTICAL METHODS**

2025 A	5	DAILY	8:00a.m.-8:50a.m.	AAR 124	SWEE R
NS					
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**

▽ 2000 N	5	T	5:15p.m.-7:30p.m.	VOC 116	D,SSA
STAFF					
Satisfies the Diversity requirement.					
Hybrid class; partly online.					

**BUS 206 STATISTICAL METHODS**

2040 N	5	MW	5:15p.m.-7:20p.m.	MAN 146	NS
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					

**Business Technology**

Unless otherwise noted, a computer lab fee is charged for all BTEC courses.

**BTEC 104 INTRODUCTION TO BUSINESS TECHNOLOGY**

▽ 1800 A	5	MWF	9:00a.m.-10:25a.m.	AAR 105	GAITHER M
▽ 1805 B	5	MWF	1:20p.m.-2:45p.m.	AAR 109E	GAITHER M

**BTEC 111 WORD PROCESSING I**

▽ 1825 A	5	TTh	11:00a.m.-1:00p.m.	AAR 105	GAITHER M
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**BTEC 148 INTRODUCTION TO OUTLOOK**

▽ 1865 A	2	M	10:00a.m.-10:50p.m.	AAR 110C	HOMME S
Hybrid class; partly online.					

**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](http://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.



## Business Technology Lab

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

## Chemical Dependency

### EVENING CLASSES

**CDS 101 INTRODUCTION TO ADDICTIONS & CHEMICAL DEPENDENCY SS**  
2090 N 5 MW 6:00p.m.-8:00p.m. MAN 234 WEAVER N

**CDS 108 SCHOOL-BASED SUPPORT GROUPS**  
2095 N 4 F 5:15p.m.-8:00p.m. AAR 106 MILLER S  
Class meets Friday and Saturday, Oct. 10 & 11, 24 & 25, and Nov. 7, 8, 21 & 22.

**CDS 113 TREATMENT PRINCIPLES AND CDS**  
2100 N 3 Th 5:30p.m.-8:00p.m. AAR 106 WALTZ M

**CDS 202 CDS COUNSELING WITH DIVERSE POPULATIONS**  
2110 N 3 T 5:30p.m.-8:00p.m. MAN 233 CALIMAN J

**CDS 215 GROUP COUNSELING**  
2115 N 3 W 5:30p.m.-8:00p.m. MAN 147 MILLER S  
Prerequisite: CDS 101 and 113 with a grade of C or better.

## Chemistry

### CHEM& 100 PREPARATORY CHEMISTRY

▽ 2145 A 5 MWF 11:10a.m.-12:35p.m. HSB 123 HERBELIN A

### CHEM& 110 CHEMICAL CONCEPTS W/LAB

▽ 2155 DE 5 ARR ARR NSL PECORE J

Online class. Lab included.

### CHEM& 121 INTRODUCTION TO CHEMISTRY

2160 A 5 MWF 10:00a.m.-11:00a.m. HSB 123 KEPLER 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 Th 9:00a.m.-11:50a.m. HSB 332 KEPLER C  
2170 LB 0 Th 1:20p.m.-4:10p.m. HSB 332 KEPLER C

### CHEM& 161 GENERAL CHEMISTRY I

▽ 2180 A 5 MWF 9:00a.m.-10:00a.m. HSB 101 WOLFER A

Students must also enroll in one of the lab sections, CHEM& 161 LA, LB or LC.

Lab Fee: \$31.90

### CHEM& 161 GENERAL CHEMISTRY I—LAB

2185 LA 0 T 9:00a.m.-11:50a.m. HSB 332 WOLFER A  
2190 LB 0 T 1:20p.m.-4:10p.m. HSB 332 WOLFER A  
2195 LC 0 W 1:20p.m.-4:10p.m. HSB 332 WOLFER A

### CHEM& 261 ORGANIC CHEMISTRY I

2200 A 5 MWF 9:00a.m.-9:50a.m. HSB 105 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

2205 LA 0 MW 2:20p.m.-4:10p.m. HSB 329 HERBELIN A  
2210 LB 0 TTh 9:00a.m.-10:50a.m. HSB 329 HERBELIN A

### EVENING CLASSES

### CHEM& 100 PREPARATORY CHEMISTRY

▽ 2150 N 5 MW 5:00p.m.-7:10p.m. HSB 123 HERBELIN A

### CHEM& 121 INTRODUCTION TO CHEMISTRY

2175 N 5 M 5:30p.m.-8:15p.m. HSB 104 KEPLER C  
W 5:30p.m.-8:15p.m. HSB 332

Lab included. Lab Fee: \$12.60

## Course # Course Name

 Item# Sec. # Cred. # Days Time Place Instructor

## Chinese

## CHIN&amp; 121 CHINESE I:DIV

2215 A 5 MWF 1:20p.m.-2:45p.m. LIB 130

D,H  
ZOU Y

## College Success

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

## COLL 093 TEST TAKING


 2845 DE 1 ARR ARR ARR DEMAREST K

Online class. Lab Fee: \$10.80

2850 SP 1 ARR ARR LIB PERSONS C

Lab Fee: \$10.80

## COLL 094 NOTE TAKING

 2855 DE 1 ARR ARR PERSONS C

Online class. Lab Fee: \$10.80

2860 SP 1 ARR ARR LIB PERSONS C

Lab Fee: \$10.80

## COLL 095 TIME MANAGEMENT

 2865 DE 1 ARR ARR DEMAREST K

Online class.


## COLL 096 TEXTBOOK READING

 2870 DE 1 ARR ARR DEMAREST K

Online class.

2875 SP 1 ARR ARR LIB PERSONS C


## COLL 101 FIRST YEAR SEMINAR I

 2880 A 2 MW 8:00a.m.-8:50a.m. AAR 123 FULLER K

2882 B 2 TTh 8:00a.m.-8:50a.m. AAR 123 CONNOLLY B

2884 C 2 MW 9:00a.m.-9:50a.m. PSC 102 STAFF

2886 D 2 TTh 9:00a.m.-9:50a.m. AAR 123 STAFF

 2904 DE 2 ARR ARR SHULKE D


Online class.

2888 E 2 MW 10:00a.m.-10:50a.m. DTV 232 SHULKE D


2890 F 2 TTh 10:00a.m.-10:50a.m. AAR 123 STAFF

2892 G 2 MW 11:10a.m.-12:00p.m. AAR 123 WOLFER A

2894 H 2 TTh 11:10a.m.-12:00p.m. VOC 116 RISTER M

 2900 HB 2 M 1:20p.m.-2:10p.m. DTV 214 STAFF

Hybrid class; partly online.

 2902 HB1 2 T 1:20p.m.-2:10p.m. DTV 214 MYERS L

Hybrid class; partly online.

2896 I 2 MW 1:20p.m.-2:10p.m. DTV 215 STAFF

2898 J 2 TTh 2:20p.m.-3:10p.m. DTV 215 LEACH M

## COLL 104 COLLEGE KNOWLEDGE

 2905 DE 1 ARR ARR RISTER M

Online class.

## EVENING CLASSES


## COLL 101 FIRST YEAR SEMINAR I

2906 N 2 MW 6:00p.m.-6:50p.m. AAR 123 HAMER J


## Computer Science


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


## CS 100 INTRODUCTION TO INFORMATION SYSTEMS


 2920 A 5 Th 11:10a.m.-1:10p.m. AAR 123 DEVIDA D  
Hybrid class; partly online.

## CS 110 INTRODUCTION TO MICROCOMPUTER APPLICATIONS

 2925 A 3 MWF 9:00a.m.-9:50a.m. AAR 110C STAFF


 2930 B 3 MWF 11:10a.m.-12:00p.m. AAR 110C HOMME S

 2935 C 3 TTh 11:10a.m.-12:25p.m. AAR 110C HOMME S


 2940 DE 3 ARR ARR HOMME S

Online class.

## CS 111 INTRODUCTION TO WINDOWS

 2955 A 4 MW 9:00a.m.-11:00a.m. AAR 124 DERKACHT D

## CS 121 INTRODUCTION TO SPREADSHEETS:EXCEL


 2960 A 5 MWF 9:00a.m.-10:25a.m. AAR 109E LEMMONS N

Uses CANVAS - enhanced.

 2965 DE 5 ARR ARR LEMMONS N


Online class.

## CS 130 INTRODUCTION TO DATABASE APPLICATIONS

 2970 A 5 TTh 11:10a.m.-12:35p.m. AAR 109E LEMMONS N


Hybrid class; partly online.

## CS 141 PC TECHNICIAN I


 2975 A 5 Th 1:20p.m.-2:45p.m. VOC 119 STAFF

Hybrid class; partly online.

## CS 170 PROGRAMMING FUNDAMENTALS

 2980 A 5 MWF 1:20p.m.-3:00p.m. AAR 105 DERKACHT D


## CS 211 NETWORKING BASICS

 2990 A 5 T 1:20p.m.-3:25p.m. VOC 119 STAFF

Prerequisite: CS 144 or instructor permission.

Hybrid class; partly online.

## CS 230 DATABASE DEVELOPMENT

 2995 A 5 TTh 9:00a.m.-11:00a.m. AAR 110C ROSI D

Hybrid class; partly online.

## CS 250 DIGITAL FORENSICS &amp; LAW

 3000 DE 4 ARR ARR ROSI D

Online class.


## CS 253 DIGITAL FORENSICS LIVE &amp; MOBILE

 3005 DE 4 ARR ARR ROSI D

On campus lab times available.

Online class.

## CS 270 DATA STRUCTURES I

 3010 A 5 MWF 3:10p.m.-4:30p.m. AAR 105 DERKACHT D



## 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 Ed 288 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.

ACCT	288	1335	CJ	288	2225	ICP	288	5195
ACCT	289	1340	CJ	289	2230	ICP	289	5200
AH	288	1430	DHET	289	3095	LIBR	288	5525
AH	289	1435	ECED	288	3185	LIBR	289	5530
AMTC	288	1460	ECED	289	3190	MASP	288	5640
AMTC	289	1465	EDUC	288	3260	MASP	289	5645
ART	288	1590	EDUC	289	3265	MATH	288	6025
ART	289	1595	ENGR	288	3685	MATH	289	6030
BUS	288	2050	ENGR	289	3690	MEDA	288	6140
BUS	289	2055	ENVS	288	3725	MEDA	289	6145
BTEC	288	1930	ENVS	289	3730	MUSC	288	6325
BTEC	289	1935	FISC	288	4395	MUSC	289	6330
CDS	288	2120	FISC	289	4400	NURS	288	6530
CDS	289	2125	HLTH	288	4640	NURS	289	6535
CHEM	288	2135	HLTH	289	4645	SPCH	288	7425
CHEM	289	2140	HDEV	288	4515	SPCH	289	7430
CS	288	3020	HDEV	289	4520	WELD	288	7850
CS	289	3025				WELD	289	7855

## Criminal Justice

<b>CJ &amp; 101</b>	<b>INTRODUCTION CRIMINAL JUSTICE</b>	<b>SS</b>
2235 A	5 TTh 1:20p.m.-3:20p.m.	PSC 102 HAMILTON A
<b>CJ &amp; 110</b>	<b>CRIMINAL LAW</b>	
2240 A	5 TTh 10:00a.m.-12:00p.m.	LIB 130 QUIRK A
▽ 2245 DE	5 ARR ARR	QUIRK A
Online class.		
<b>CJ 187</b>	<b>CRISIS INTERVENTION PROF</b>	
2220 A	3 MW 3:00p.m.-5:00p.m.	MAN 145 CROMWELL L

## Dance

**DANCE 151 SHOW DANCE I**  
3035 A 1.5 MWF 2:10p.m.-3:00p.m. RCA 102 DICK V  
Lab Fee: \$7.20

**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

**DANCE 100 INTRODUCTION TO DANCE** **H,P**  
▽ 3030 N 2 MW 3:30p.m.-4:45p.m. RCA 139 DICK V

## Diesel/Heavy Equipment Technology

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

**DHET 100 ESSENTIALS OF MECHANICS**  
3040 A 5 MT 9:30a.m.-12:00p.m. DTV 123 ECKLUND K

**DHET 141 HYDRAULICS I**  
3050 A 4 MT 7:50a.m.-9:30a.m. DTV 106A ECKLUND K

**DHET 142 HYDRAULICS II**  
3065 A 6 WTh 8:00a.m.-11:30a.m. DTV 123 ECKLUND K

**DHET 215 HEAVY DUTY ENGINE PERFORMANCE**  
3080 A 15 MTWTh 12:00p.m.-4:30p.m. DTV 106A DILLINGER J  
Prerequisite: DHET 102 or instructor permission.

**DHET 216 AUTO/DIESEL TUNE UP AND PERFORMANCE**  
3085 A 5 MTWTh 12:00p.m.-4:30p.m. DTV 106A DILLINGER J  
Prerequisite: DHET 102 or instructor permission.

**DHET 299 INDEPENDENT STUDY**  
3100 A 1-2 ARR ARR STAFF

## Drafting

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

### EVENING CLASSES

**DRFT 107 TECHNICAL GRAPHICS**  
3105 N 1-3 TTh 6:00p.m.-8:15p.m. VOC 113 ROGERS K

**DRFT 151 INTRODUCTION TO CAD**  
3110 N 1-3 TTh 6:00p.m.-8:15p.m. VOC 113 ROGERS K

**DRFT 210 ADVANCED TECHNICAL GRAPHICS**  
3115 N 1-3 TTh 6:00p.m.-8:15p.m. VOC 113 ROGERS K  
Prerequisite: DRFT 107 or ENGR& 121.

**DRFT 252 3D COMPUTER AIDED DRAFT**  
3120 N 1-3 TTh 6:00p.m.-8:15p.m. VOC 113 ROGERS K  
4 hours lab time per week to be arranged with the instructor.

**DRFT 260 SURVEY OF CIVIL AND ARCHITECTURAL GRAPHICS**  
3125 N 3 TTh 6:00p.m.-8:15p.m. VOC 113 ROGERS K

Course # Course Name

▽ Item# Sec. # Cred. # Days Time Place Instructor

## Drama

### DRMA& 101 INTRODUCTION TO THEATRE:DIV:IS

H

3157 A 5 MWF 11:10a.m.-12:35p.m. HSB 104 STAFF  
 ▽ 3160 IS1 5 MTWTh 9:00a.m.-12:30p.m. MAN 119 CORRELL D  
 Integrated Studies: Image & Reality. Students must also enroll in ENGL& 101 IS1, item 3580, and PSYC& 100 IS1, item 6990, for a total of 15 credits.

### DRMA 106 INTRODUCTION TO ACTING I:IS

H,P

▽ 3130 IS1 5 MTWTh 9:00a.m.-12:30p.m. MAN 119 CORRELL D  
 Integrated Studies: Image & Reality. Students must also enroll in ENGL& 101 IS1, item 3580, and PSYC& 100 IS1, item 6990, for a total of 15 credits.

### DRMA 116 STAGE CRAFTS I

3135 A 5 MWF 1:20p.m.-2:45p.m. RCA 148 COCHRAN R

### DRMA 117 STAGE CRAFTS II

3140 A 5 MWF 1:20p.m.-2:45p.m. RCA 148 COCHRAN R

### DRMA 118 STAGE CRAFTS III

3145 A 5 MWF 1:20p.m.-2:45p.m. RCA 148 COCHRAN R

### EVENING CLASSES

#### DRMA 196 REHEARSAL & PERFORMANCE I

3150 N 1-5 ARR 6:00p.m.-10:00p.m. RCA 131 CORRELL D  
 Enrollment restricted to students in current production.

#### DRMA 296 REHEARSAL & PERFORMANCE IV

3155 N 1-5 ARR 6:00p.m.-10:00p.m. RCA 131 CORRELL D  
 Enrollment restricted to students in current production.

## Early Childhood Education

### ECED& 100 CHILD CARE BASICS

▽ 3195 A 3 F 10:00a.m.-12:00p.m. VOC 111 AKINS-FIELDS  
 Hybrid class; partly online.

### ECED& 107 HEALTH/SAFETY/NUTRITION

▽ 3205 A 5 Th 4:00p.m.-6:00p.m. VOC 111 ZBAEREN J  
 Hybrid class; partly online.

### ECED& 120 PRACTICUM-NURTURING RELATIONSHIPS

▽ 3212 A 2 M 12:00p.m.-1:00p.m. VOC 111 AKINS-FIELDS  
 Hybrid class; partly online.

### ECED& 134 FAMILY CHILD CARE

▽ 9000 OL 3 ARR ARR STAFF  
 Online class.  
 WAOL course offered through South Puget Sound Community College.

### ECED& 160 CURRICULUM DEVELOPMENT

▽ 3220 A 5 W 10:00a.m.-12:30p.m. VOC 111 WILLIAMSON A  
 Hybrid class; partly online.

### ECED 186 SOCIAL-EMOTIONAL GROWTH

▽ 3170 DE 3 ARR ARR JOHNSON S  
 Online class.

### ECED 261 PRACTICUM IV/PRINCIPLES

▽ 3175 A 3 W 2:00p.m.-3:00p.m. VOC 111 WILLIAMSON A  
 Prerequisite: ENGL& 101, all ECED 100-level courses and EDUC& 114 with a grade of C or better.

### EVENING CLASSES

#### ECED 136 INFANT SOCIAL & EMOTIONAL DEVELOPMENT

3165 N 1 Th 6:30p.m.-8:30p.m. VOC 111 AKINS-FIELDS

## Earth Science

### ERSI 104 INTRODUCTION TO EARTH SCIENCE W/LAB

NSL

3735 A 5 MWF 11:10a.m.-12:00p.m. HSB 139 CORDERO D  
 TTh 12:00p.m.-1:50p.m. HSB 139

Lab included. Field trips may be required.

Lab Fee: \$12.60

### ERSI 105 EARTH SYSTEMS

NSL

▽ 3740 DE 5 ARR ARR BARD E  
 Lab included. Lab Fee: \$21.70  
 Online class.

## Economics

### ECON 105 INTRODUCTION TO ECONOMICS

SS

▽ 3235 A 5 MTWTh 11:10a.m.-12:00p.m. MAN 233 FRANZ J  
 Hybrid class; partly online.

▽ 3230 DE 5 ARR ARR FRANZ J  
 Online class.

### ECON& 201 MICRO ECONOMICS

SS

▽ 3240 A 5 TTh 9:00a.m.-10:25a.m. MAN 233 FRANZ J  
 Hybrid class; partly online.

### EVENING CLASSES

#### ECON& 202 MACRO ECONOMICS

SS

▽ 3245 N 5 M 5:30p.m.-7:45p.m. MAN 233 FRANZ J  
 Hybrid class; partly online.

## Education

### EDUC& 115 CHILD DEVELOPMENT

▽ 3275 A 5 TTh 10:00a.m.-11:30a.m. VOC 111 ZBAEREN J

### EDUC& 130 GUIDING BEHAVIOR

▽ 3285 A 3 M 10:00a.m.-12:00p.m. VOC 111 ZBAEREN J  
 Hybrid class; partly online.

### EDUC& 136 SCHOOL AGE CARE

▽ 3295 DE 3 ARR ARR AKINS-FIELDS  
 Online class.

### EDUC 191 INTRODUCTION TO TUTORING

▽ 3250 A 1 ARR ARR WILLIAMSON A

### EDUC& 205 INTRODUCTION TO EDUCATION W/FIELD EXPERIENCE:DIV

D

3300 A 5 MW 4:00p.m.-5:30p.m. VOC 111 WILLIAMSON A  
 This class includes participation in actual elementary classrooms in addition to class meeting times.

### EVENING CLASSES

#### EDUC 215 CLASSROOM MANAGEMENT

▽ 3255 N 3 T 5:30p.m.-7:00p.m. VOC 111 GRIBSKOV D  
 Hybrid class; partly online.

## Course # Course Name

▽ Item# Sec. # Cred. # Days Time Place Instructor

## 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

**ENGR& 122 ENGINEERING GRAPHICS II**

3700 A 1-3 MW 2:00p.m.-4:15p.m. HSB 135 MORRISON D

Prerequisite: ENGR&amp; 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&amp; 121 or instructor permission.

**ENGR& 214 STATICS**

3710 A 5 DAILY 8:00a.m.-8:50a.m. HSB 135 MORRISON D

Prerequisite: MATH&amp; 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 11:10a.m.-12:00p.m. MAN 234 LEACH M

3365 F 5 DAILY 11:10a.m.-12:00p.m. DTV 214 CONNOLLY B

3370 G 5 DAILY 11:10a.m.-12:00p.m. DTV 215 SHULKE D

3375 H 5 DAILY 1:00p.m.-1:50p.m. VOC 116 SHULKE D

3390 L 5 MWF 3:00p.m.-4:30p.m. MAN 125 STOWELL B

▽ 3357 DE 5 ARR ARR DIGERLANDO N

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 11:10a.m.-12:00p.m. MAN 234 LEACH M

3430 F 5 DAILY 11:10a.m.-12:00p.m. DTV 214 CONNOLLY B

3435 G 5 DAILY 11:10a.m.-12:00p.m. DTV 215 SHULKE D

3440 H 5 DAILY 1:00p.m.-1:50p.m. VOC 116 SHULKE D

3455 L 5 MWF 3:00p.m.-4:30p.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 RONISH C

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 MWF 11:10a.m.-12:35p.m. DTV 232 ROOSE J

▽ 3570 H 5 MWF 11:10a.m.-12:35p.m. LIB 130 STAFF

3575 I 5 TTh 11:10a.m.-1:10p.m. MAN 233 ROOSE J

▽ 3580 IS1 5 MTWTh 9:00a.m.-12:30p.m. MAN 119 RONISH C

Integrated Studies: Image & Reality. Students must also enroll in DRMA& 101 IS1, item 3160, or DRMA 106 IS1, item 3130, and PSYC& 100 IS1, item 6990, for a total of 15 credits.

▽ 3590 J 5 MWF 1:20p.m.-2:45p.m. VOC 112 MOIR D

3595 K 5 MWF 1:20p.m.-2:45p.m. PSC 102 ZERNDT J

▽ 3600 L 5 MWF 1:20p.m.-2:45p.m. AAR 123 RISTER M

3605 M 5 TTh 1:20p.m.-3:20p.m. MAN 147 STAFF

▽ 3615 O 5 MWF 9:00a.m.-10:25a.m. HSB 106 DIGERLANDO N

▽ 3620 R 5 T 1:20p.m.-3:20p.m. VOC 111 DIGERLANDO N

Hybrid class; partly online.

▽ 3625 S 5 MW 1:20p.m.-3:20p.m. RCA 220 AUSTIN K

▽ 3635 U 5 TTh 9:00a.m.-11:00a.m. MAN 234 LEMIERE A

▽ 3640 V 5 MWF 9:00a.m.-10:25a.m. AAR 123 MOIR D

3585 W 5 DAILY 9:00a.m.-9:50a.m. MAN 147 BAUER H

3587 X 5 DAILY 10:00a.m.-10:50a.m. MAN 147 BAUER H

**ENGL& 102 COMPOSITION II**

HA

▽ 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 203 HULL K

3655 C 5 MW 11:10a.m.-1:10p.m. DTV 233 STAFF

▽ 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 207 HULL K

**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 1:20p.m.-3:20p.m. AAR 104 ROOSE J

# 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](http://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](http://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](http://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**



## Course # Course Name

## Item# Sec. # Cred. # Days Time Place Instructor

**ENGL 124 ARTS MAGAZINE PUBLICATION**

3480 A 2 F 1:00p.m.-3:00p.m. MAN 148  
Students must arrange one additional hour lab time per week.

H,P  
BAUER H

**ENGL 215 INTRODUCTION TO FILM STUDIES**

3485 A 5 TTh 9:00a.m.-11:00a.m. MAN 233

H  
HULL K

**ENGL 221 TEACHING/TUTOR WRITING**

3490 A 3 Th 2:30p.m.-3:30p.m. MAN 119  
Hybrid class; partly online.

BAUER H

**ENGL 222 TEACHING/TUTOR WRITING 2**

3491 A 3 Th 2:30p.m.-3:30p.m. MAN 119  
Hybrid class; partly online.

BAUER H

**ENGL 223 TEACHING/TUTOR WRITING 3**

3492 A 3 Th 2:30p.m.-3:30p.m. MAN 119  
Hybrid class; partly online.

BAUER H

**ENGL 224 ARTS MAGAZINE PUBLICATION**

3495 A 2 F 1:00p.m.-3:00p.m. MAN 148  
Students must arrange one additional hour lab time per week.

H,P  
BAUER H

**ENGL 231 CREATIVE WRITING**

3500 A 5 TTh 1:20p.m.-3:20p.m. MAN 203

H  
HULL K

**ENGL 232 CREATIVE WRITING**

3505 A 5 TTh 1:20p.m.-3:20p.m. MAN 203

H  
HULL K

**ENGL 233 CREATIVE WRITING**

3510 A 5 TTh 1:20p.m.-3:20p.m. MAN 203

H  
HULL K

**ENGL 252 ENGLISH LITERATURE**

3678 DE 5 ARR ARR  
Online class.

H  
BAUER H

**ENGL 270 LITERATURE FOR CHILDREN**

3515 DE 5 ARR ARR  
Online class.

H  
MCCARTHY D

**EVENING CLASSES****ENGL 098 COLLEGE-READY ENGLISH I**

3395 N 5 TWTh 6:00p.m.-7:25p.m. MAN 207 STOWELL B

**ENGL 099 COLLEGE-READY ENGLISH II**

3460 N 5 TWTh 6:00p.m.-7:25p.m. MAN 207 STOWELL B  
Prerequisite: ENGL 098 with a grade of C or better.

**ENGL& 101 ENGLISH COMPOSITION I**

3610 N 5 T 5:15p.m.-7:30p.m. MAN 147 LEMIERE A  
Hybrid class; partly online.

**ENGL& 102 COMPOSITION II**

3675 N 5 W 6:00p.m.-8:15p.m. MAN 205 LEMIERE A  
Hybrid class; partly online.

HA

**Environmental Science****ENVS 150 ENVIRONMENT & SOCIETY:DIV**

3720 DE 5 ARR ARR  
Online class.

D,NS  
LAPIERRE L

**Fire Science****FISC 101 INTRODUCTION TO FIRE PROTECTION**

4365 A 3 W 1:30p.m.-4:30p.m. DTV 202 NEW, M

**FISC 110 FIRE SCIENCE I**

4375 A 3 T 1:30p.m.-4:30p.m. AAR 102 NEW M

**FISC 215 FIXED SYSTEMS AND EXTINGUISHERS**

4390 A 3 Th 1:30p.m.-4:30p.m. VOC 111 NEW M

**EVENING CLASSES****FISC 111 BASIC FIRE FIGHTING SKILLS**

4380 N 10 Th 6:00p.m.-10:00p.m. OC THOMPSON J  
Meets at Cowlitz 2 Fire and Rescue, 701 Vine Street, Kelso.  
Lab Fee: \$139.00

**Geology****GEOL& 101 INTRODUCTION PHYSICAL GEOLOGY**

4405 A 5 MWF 9:00a.m.-9:50a.m. HSB 139 CORDERO D  
TTh 9:00a.m.-10:50a.m. HSB 139  
Lab included. Lab Fee: \$16.40

**GEOL& 208 GEOLOGY OF THE PACIFIC NW**

4410 DE 5 ARR ARR  
Lab included.  
Online class.

**Health**

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

**HLTH 100 OCCUPATIONAL SAFETY AND HEALTH**

4580 A 3 MW 11:10a.m.-12:25p.m. DTV 202 JOHNSON B  
4590 B 3 TTh 11:00a.m.-12:15p.m. DTV 202 JOHNSON B  
4595 C 3 Th 1:30p.m.-4:00p.m. DTV 202 JOHNSON B  
4600 D 3 Sa 8:00a.m.-4:00p.m. DTV 202 JOHNSON B

Class meets four Saturdays only: September 27, October 4, 18 and 25.

4605 F 3 MW 9:00a.m.-10:15a.m. DTV 202 JOHNSON B  
4610 HB 3 ARR ARR DTV 202 JOHNSON B

The 1st Aid/CPR session will be held on Saturday, October 11 from 8:00 a.m. to 5:00 p.m. in DTV 202.

Hybrid class; partly online.

Lab Fee: \$21.60

**HLTH 105 FIRST AID/CPR/BB PATHOGENS**

4623 A 1 F 1:00p.m.-1:50p.m. DTV 202 JOHNSON B  
Classes will be held on Fridays, Sept. 26, Oct. 3, Oct. 10, Oct. 17, and Oct. 24.  
Start Date: 09/26/14 End Date: 10/24/14

## Course # Course Name

### ▽ Item# Sec. # Cred. # Days Time Place Instructor

#### HLTH 106 HEALTH TODAY

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

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
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## High School Completion

The High School Completion lab is located in the International Center.  
Please call 360.442.2691 for more information. Students may enroll in  
HSC classes for 3 or 5 credits.

<b>HSC 075</b>	<b>INTRODUCTION TO DRAMA</b>	<b>4780</b>
<b>HSC 076</b>	<b>FAMILY LIFE</b>	<b>4785</b>
<b>HSC 079</b>	<b>MATH CONCEPTS-GEOMETRY</b>	<b>4795</b>
<b>HSC 080</b>	<b>MATH CONCEPTS-ALGEBRA</b>	<b>4800</b>
<b>HSC 085</b>	<b>HEALTH</b>	<b>4815</b>
<b>HSC 086</b>	<b>INTRODUCTION TO LITERATURE</b>	<b>4820</b>
<b>HSC 087</b>	<b>INTRODUCTION TO POETRY</b>	<b>4825</b>
<b>HSC 088</b>	<b>INTRODUCTION TO WRITING</b>	<b>4830</b>
<b>HSC 089</b>	<b>ENGLISH ESSENTIALS</b>	<b>4835</b>
<b>HSC 090</b>	<b>NATURAL HAZARDS</b>	<b>4840</b>
<b>HSC 091</b>	<b>ENVIRONMENTAL SCIENCE</b>	<b>4845</b>
<b>HSC 092</b>	<b>CIVICS</b>	<b>4850</b>
<b>HSC 093</b>	<b>US HISTORY I</b>	<b>4855</b>
<b>HSC 094</b>	<b>US HISTORY I</b>	<b>4860</b>
<b>HSC 095</b>	<b>WASHINGTON STATE HISTORY</b>	<b>4865</b>
<b>HSC 096</b>	<b>CONTEMPORARY WORLD PROBLEMS</b>	<b>4870</b>
<b>HSC 097</b>	<b>PERSONAL FINANCE</b>	<b>4875</b>

## History

<b>HIST&amp; 126</b>	<b>WORLD CIVILIZATION I:DIV</b>	<b>D,H</b>
4535 A	5 TTh	1:20p.m.-3:20p.m. MAN 234 SHAH C

<b>HIST&amp; 136</b>	<b>US HISTORY 1</b>	<b>SS</b>
▽ 4550 A	5 MWF	9:00a.m.-10:25a.m. MAN 145 SHAH C
▽ 4560 DE	5 ARR	ARR STAFF
Online class.		

<b>HIST&amp; 137</b>	<b>US HISTORY 2</b>	<b>SS</b>
4563 A	5 TTh	9:00a.m.-11:00a.m. HSB 105 STAFF
▽ 4565 DE	5 ARR	ARR SHAH C
Online class.		

#### EVENING CLASSES

#### HIST& 137 US HISTORY 2

SS

▽ 4570 N	5 T	5:15p.m.-7:30p.m.	MAN 145	AUSTIN K
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Hybrid class; partly online.

## Home & Family Life

#### HOFL 299 INDEPENDENT STUDY

4765 A	1-10	ARR	ARR	ARR	WILLIAMSON A
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Instructor permission required to enroll.

## Human Development

#### HDEV 080 TRANSITIONS

4445 POP 2	TWTh	8:40a.m.-11:00a.m.	HS	SWIER K
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#### 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
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For class information, contact instructor at mmcabb@lowercolumbia.edu

#### HDEV 128 TRANSFER PLANNING

4495 A	1	ARR	ARR	WALKER N
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#### HDEV 216 LEADERSHIP/STUDENT GOVERNMENT

4500 A	1-3 T	11:10a.m.-1:10p.m.	STC	AHMADIFARD R
	Th	11:00a.m.-12:00p.m.	STC	

#### HDEV 221 PEER MENTORING I

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

#### HDEV 115 STRESS MANAGEMENT

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

#### HUM 106 COMMUNITY CONVERSATIONS

5170 A	1 Th	12:00p.m.-12:50p.m.	RCA 123	SHAH C
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Topic: Monsters Among Us - What we fear and what that tells us about ourselves.

#### HUM 107 HOW TO SEE A PLAY

H

5175 A	1	ARR	ARR	CORRELL D
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Students must contact the instructor via email at dcorrell@lowercolumbia.edu no later than Friday, November 1, 2014.

#### HUM& 116 HUMANITIES I

H

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

 Item# Sec. # Cred. # Days Time Place Instructor

## 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](mailto:dtrimble@lowercolumbia.edu)

**ICP 102 PHARMACY TECHNOLOGY FUNDAMENTALS**

5190 MM 4 ARR ARR

SCHURMAN J

**ICP 299 INDEPENDENT STUDY**

5205 A 1-10 ARR ARR

STAFF

## 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.

**COLL 093 TEST TAKING**

2850 SP 1 ARR ARR

LIB

PERSONS C

Lab Fee: \$10.80


**COLL 094 NOTE TAKING**

2860 SP 1 ARR ARR

LIB

PERSONS C

Lab Fee: \$10.80

 2855 DE 1 ARR ARR

PERSONS C

Lab Fee: \$10.80

Online class.

**COLL 096 TEXTBOOK READING**

2875 SP 1 ARR ARR

LIB

PERSONS C

**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 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

**LIBR 094 INFORMATION LITERACY 1** 5505 SP 2 ARR ARR

LIB

PERSONS C

 5500 DE 2 ARR ARR

PERSONS C

Online class.

**LIBR 104 INFORMATION LITERACY 2** 5515 SP 2 ARR ARR

LIB

PERSONS C

 5510 DE 2 ARR ARR

PERSONS C

Online class.

**LIBR 204 INFORMATION LITERACY 3** 5520 SP 2 ARR ARR

LIB

PERSONS C

**SPAN 097 SPAN-PRESENT TENSE VERBS**

7295 SP 2 ARR ARR

LIB

PERSONS C

**SPAN 098 SPAN-NOUNS/MODIFIERS**

7300 SP 1 ARR ARR

LIB

PERSONS C

## Library

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

**LIBR 094 INFORMATION LITERACY 1** 5500 DE 2 ARR ARR

PERSONS C

Online class.

 5505 SP 2 ARR ARR

LIB

PERSONS C

**LIBR 104 INFORMATION LITERACY 2** 5510 DE 2 ARR ARR


PERSONS C

Online class.

 5515 SP 2 ARR ARR

LIB

PERSONS C

**LIBR 204 INFORMATION LITERACY 3** 5520 SP 2 ARR ARR

LIB

PERSONS C

## Machine Trades

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

**MASP 107 MACHINING FOR RELATED OCCUPATIONS**

5540 A 2-6 DAILY 8:00a.m.-11:00a.m. VOC 114

TODD K

**MASP 111 MACHINE SHOP I**

5555 A 2-10 DAILY 8:00a.m.-11:00a.m. VOC 114

TODD K

Note: This course may be taken for 2 - 10 credits only.

**MASP 112 MACHINE SHOP II**

5570 A 2-10 DAILY 8:00a.m.-11:00a.m. VOC 114

TODD K

Note: This course may be taken for 2 - 10 credits only.

Prerequisite: 10 credits of MASP 107 and/or MASP 111.

**MASP 113 MACHINE SHOP III**

5580 A 2-10 DAILY 8:00a.m.-11:00a.m. VOC 114

TODD K

Note: This course may be taken for 2 - 10 credits only. Prerequisite: 10 credits of MASP 112.

**MASP 114 MACHINE SHOP IV**

5590 A 2-10 DAILY 8:00a.m.-11:00a.m. VOC 114

TODD K

Note: This course may be taken for 2 - 10 credits only. Prerequisite: 10 credits of MASP 113.



Course # Course Name

▽ Item# Sec. # Cred. # Days Time Place Instructor

**MASP 204 CNC MACHINING CENTER FUNDAMENTALS**

5600 MK 3 ARR ARR  
This section is self-paced. See instructor.

TODD K

**MASP 205 CNC TURNING CENTER FUNDAMENTALS**

5605 MK 3 ARR ARR  
This section is self-paced. See instructor.

TODD K

**MASP 221 CNC MILLING**

5610 A 2-10 DAILY 8:00a.m.-11:00a.m. VOC 114  
Prerequisite: MASP 204.

TODD K

**MASP 222 CNC TURNING**

5620 A 2-10 DAILY 8:00a.m.-11:00a.m. VOC 114  
Prerequisite: MASP 205

TODD K

**MASP 223 ADVANCED CNC PROCESSES**

5630 A 2-6 DAILY 8:00a.m.-11:00a.m. VOC 114  
Prerequisite: MASP 221 or MASP 222.

TODD K

**MASP 299 INDEPENDENT STUDY**

5650 MM1-2 ARR ARR

TODD K

**EVENING CLASSES**

**MASP 107 MACHINING FOR RELATED OCCUPATIONS**

5545 N 2 W 6:00p.m.-9:00p.m. VOC 114

STAFF

**MASP 111 MACHINE SHOP I**

5565 N 2 W 6:00p.m.-9:00p.m. VOC 114

STAFF

**MASP 112 MACHINE SHOP II**

5575 N 2 W 6:00p.m.-9:00p.m. VOC 114  
Prerequisite: 10 credits of MASP 107 and/or MASP 111.

STAFF

**MASP 113 MACHINE SHOP III**

5585 N 2 W 6:00p.m.-9:00p.m. VOC 114  
Prerequisite: 10 credits of MASP 112.

STAFF

**MASP 114 MACHINE SHOP IV**

5595 N 2 W 6:00p.m.-9:00p.m. VOC 114  
Prerequisite: 10 credits of MASP 113.

STAFF

**MASP 221 CNC MILLING**

5615 N 2 W 6:00p.m.-9:00p.m. VOC 114  
Prerequisite: MASP 204.

STAFF

**MASP 222 CNC TURNING**

5625 N 2 W 6:00p.m.-9:00p.m. VOC 114  
Prerequisite: MASP 205

STAFF

**MASP 223 ADVANCED CNC PROCESSES**

5635 N 1-6 W 6:00p.m.-9:00p.m. VOC 114  
Prerequisite: MASP 221 or MASP 222.

STAFF

**Manufacturing**

**MFG 115 MANUFACTURING PROCESS**

6150 A 5 DAILY 12:10p.m.-1:00p.m. VOC 113  
Computer lab fee will be charged.

TODD K

**MFG 140 HYDRAULICS**

6160 A 4 MT 7:50a.m.-9:30a.m. DTV 106A

ECKLUND K

**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	TREVINO A
5695 and 5696 E	DAILY	10:00a.m.-10:50a.m.	DTV 233	WOODWORTH J
5705 and 5706 G	DAILY	11:10a.m.-12:00p.m.	MAN 125	TREVINO A
5710 and 5711 H	DAILY	12:10p.m.-1:00p.m.	MAN 125	BYKER B
5715 and 5716 I	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.

**Sign up at  
the Testing  
Office**

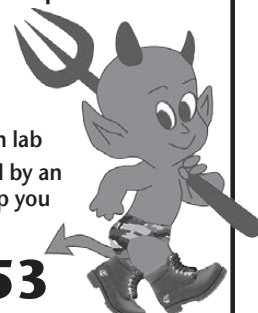
3 day, 3-hour session:

- ☐ 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

## ▼ Item# Sec. # Cred. # Days Time Place Instructor

**MATH 079/088 PRE-COLLEGE MATH I/II — 5 Credits**

5770 and 5771 J DAILY 11:10a.m.-12:00p.m. AAR 124 BABBICK L

**MATH 088/089 PRE-COLLEGE MATH II — 5 Credits**

5795 and 5796 K DAILY 8:00a.m.-8:50a.m. AAR 104 BRIEN R  
 5805 and 5806 M MWF 9:00a.m.-10:25a.m. AAR 104 BRIEN R  
 5825 and 5826 R DAILY 10:00a.m.-10:50a.m. AAR 104 BABBICK L  
 5830 and 5831 S MWF 11:10a.m.-12:35p.m. AAR 103 SKEIE M  
 5835 and 5836 T DAILY 11:10a.m.-12:00p.m. AAR 106 STETZER J  
 5840 and 5841 U MWF 1:20p.m.-2:45p.m. AAR 106 GARDNER A

5785 and 5786 DE ARR ARR BENJAMIN B

Online class. 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 089/098 PRE-COLLEGE MATH II/III — 5 Credits**

5900 and 5901 V DAILY 9:00a.m.-9:50a.m. VOC 112 SKEIE M

**MATH 098/099 PRE-COLLEGE MATH III — 5 Credits**

5925 and 5926 W MWF 9:00a.m.-10:25a.m. AAR 102 RHODE C  
 5930 and 5931 X DAILY 10:00a.m.-10:50a.m. AAR 106 SWEE R  
 5940 and 5941 Z MWF 1:20p.m.-2:45p.m. MAN 145 SKEIE M

5905 and 5906 DE DAILY ARR MARTIN P

Online class. 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****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 TTh 5:15p.m.-7:20p.m. MAN 119 DAMARIO L

**MATH 098/099 PRE-COLLEGE MATH III — 5 Credits**

5910 and 5911 N TTh 5:15p.m.-7:20p.m. MAN 125 WALTHER B

**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**

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 BENJAMIN B

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**

6080 A 5 DAILY 11:25a.m.-12:15p.m. PSC 104 DRAUS D

**MATH 210 ELEMENTS OF STATISTICS**

6005 A 5 DAILY 8:00a.m.-8:50a.m. AAR 124 SWEE R

6010 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

▼ 6015 DE 5 ARR ARR LUCAS J

Online class.

**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

**EVENING CLASSES****MATH 125 APPLIED COLLEGE ALGEBRA**

5995 N 5 TTh 5:15p.m.-7:20p.m. MAN 146 RHODE C

**MATH 210 ELEMENTS OF STATISTICS**

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

**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 at 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 provided by Pearson Education. To resolve technical problems, please contact Technical Support for MyLabsPlus at 1.888.883.1299 or email [helpdesk@lowercolumbia.mylabsplus.com](mailto:helpdesk@lowercolumbia.mylabsplus.com)

**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 2 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**

5875 P 2 DAILY ARR MAN 127 STAFF

**MATH 098 PRE-COLLEGE MATH III**

5915 P 3 DAILY ARR MAN 127 STAFF

**MATH 099 PRE-COLLEGE MATH III**

5955 P 2 DAILY ARR MAN 127 STAFF

Course # Course Name

▽ Item# Sec. # Cred. # Days Time Place Instructor

## 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/MUSICIANSHIP 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 I

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 I

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](http://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.

### EVENING CLASSES

#### NURS 090 NURSING ASSISTANT - LAB

▽ 6365 N 8 ARR ARR OC MACLAREN A  
Instructor permission required to enroll..  
Lab Fee: \$66.60

▽ 6370 NA 8 ARR 4:00p.m.-9:30p.m. HSB 249 LANDON C  
Instructor permission required to enroll..  
Lab Fee: \$66.60

## Nutrition

#### NUTR& 101 NUTRITION

NS

▽ 6545 A 5 TTh 11:10a.m.-12:00a.m. MAN 146 ROSS E  
Hybrid class; partly online.

▽ 6560 B 5 TTh 10:00a.m.-10:50a.m. AAR 124 ROSS E  
Hybrid class; partly online.

▽ 6550 DE 5 ARR SPONSELLER B  
Online class.

▽ 6555 DE1 5 ARR PECORE J  
Online class.

## Oceanography

#### OCEA& 101 INTRODUCTION TO OCEANOGRAPHY

NSL

▽ 6565 DE 5 ARR ARR KHANDRO L  
Lab included. Lab Fee: \$19.40  
Online class.

## Philosophy

#### PHIL& 101 INTRODUCTION TO PHILOSOPHY

H

6850 A 5 MWF 9:00a.m.-10:25a.m. MAN 146 SHAW D

## 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 2 MW 1:00p.m.-1:50p.m. STC ROSS E

#### PHED 121 BEGINNING FOIL FENCING

6700 A 1 Th 1:20p.m.-3:00p.m. MAN 148 SWEE R

#### PHED 122 INTERMEDIATE FOIL FENCING

6705 A 1 Th 1:20p.m.-3:00p.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.-5:00p.m. OC FULLER T

#### PHED 149 APPLIED SOCCER-WOMEN

6745 A 2 MTWTh 3:10p.m.-5:10p.m. AAR 103 CRUSER H

#### PHED 152 PERSONALIZED FITNESS

▽ 6750 DE 1 ARR ARR ARR ROSS E  
Students must log into canvas for class instructions and syllabus.  
Online class.

#### PHED 160 BASEBALL

6755 A 1 MTWTh 2:00p.m.-4:30p.m. ARR SMITH E

#### 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



**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

### EVENING CLASSES

**PHED 167 APPLIED VOLLEYBALL**  
6760 N 2 DAILY 5:30p.m.-7:30p.m. MAN 203 SMITH C

**PHED 171 PREVENTION AND CARE OF ATHLETIC INJURIES**  
6765 N 3 M 6:00p.m.-9:15p.m. AAR 124 EARNEST E  
Lab Fee: \$18.20

**PHED 267 APPLIED VOLLEYBALL**  
6830 N 2 DAILY 5:30p.m.-7:30p.m. MAN 203 SMITH C

## Physical Science

### EVENING CLASSES

**PHSC 109 ENERGY AND MATTER** **NSL**  
▽ 6855 N 5 TTh 5:15p.m.-7:45p.m. HSB 135 WOLFER A  
Lab included. Lab Fee: \$21.70

## Physics

**PHYS& 114 GENERAL PHYSICS I** **NSL**  
▽ 6860 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& 114 GENERAL PHYSICS I—LAB**  
6865 LA 0 T 9:00a.m.-11:00a.m. HSB 137 LIVINS P  
6870 LB 0 T 11:00a.m.-1:00p.m. HSB 137 LIVINS P  
6875 LC 0 ARR ARR HSB 137 LIVINS P

**PHYS& 221 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

## Political Science

**POLS& 101 INTRODUCTION POLITICAL SCIENCE** **SS**  
6920 A 5 MW 1:00p.m.-3:00p.m. MAN 233 BENSON D  
6923 B 5 TTh 9:00a.m.-11:00a.m. HSB 106 STAFF

**POLS& 202 AMERICAN GOVERNMENT** **SS**  
6925 A 5 MW 9:00a.m.-11:00a.m. MAN 234 BENSON D  
▽ 6935 DE 5 ARR ARR CASCADDAN D  
Online class.

## Process Manufacturing

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

### EVENING CLASSES

**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  
6960 B 5 MW 11:00a.m.-1:00p.m. VOC 112 SUEK J  
▽ 6965 C 5 MW 11:10a.m.-1:10p.m. MAN 235 WEAVER N  
▽ 6970 DE 5 ARR ARR TUCKER J  
Online class.  
6975 E 5 MW 1:20p.m.-3:20p.m. MAN 119 LISTY A  
▽ 6980 F 5 TTh 1:20p.m.-3:20p.m. MAN 125 HAYES B  
6985 G 5 TTh 1:20p.m.-3:20p.m. VOC 112 LISTY A

▽ 6990 IS1 5 MTWTh 9:00a.m.-12:30p.m. MAN 119 STRAYER M  
Integrated Studies: Image & Reality. Students must also enroll in DRMA& 101 IS1, item 3160, or DRMA 106 IS1, item 3130, and ENGL& 101 IS1, item 3580, for a total of 15 credits.

**PSYC& 200 LIFESPAN PSYCHOLOGY** **SS**  
▽ 7000 A 5 TTh 9:00a.m.-11:00a.m. PSC 102 HAYES B  
▽ 7005 B 5 MW 9:00a.m.-11:00a.m. LIB 130 HAYES B  
▽ 7010 DE 5 ARR ARR WORLEY M  
Online class.

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

### EVENING CLASSES

**PSYC& 100 GENERAL PSYCHOLOGY** **SS**  
▽ 6995 N 5 T 5:15p.m.-7:30p.m. MAN 234 TUCKER J  
Hybrid class; partly online.

## Sociology

### SOC& 101 INTRODUCTION TO SOCIOLOGY:DIV

▽ 7270 A	5	MW	9:00a.m.-11:00a.m.	MAN 235	WEAVER N
7275 B	5	TTh	9:00a.m.-11:00a.m.	MAN 145	SHAW D
▽ 7280 DE	5	ARR	ARR		TATE J
Online class.					
▽ 7285 DE1	5	ARR	ARR		TATE J
Online class.					

### EVENING CLASSES

### SOC& 101 INTRODUCTION TO SOCIOLOGY:DIV

7290 N	5	MW	6:00p.m.-8:15p.m.	MAN 235	D,SS GATES K
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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](mailto: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.

### SPAN 097 SPAN-PRESENT TENSE VERBS

7295 SP	2	ARR	ARR	LIB	PERSONS C
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### SPAN 098 SPAN-NOUNS/MODIFIERS

7300 SP	1	ARR	ARR	LIB	PERSONS C
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### SPAN& 121 SPANISH I:DIV

7315 A	5	DAILY	8:00a.m.-8:50a.m.	MAN 125	D EMERSON A
7320 B	5	DAILY	9:00a.m.-9:50a.m.	MAN 125	QUIRK A
7325 C	5	DAILY	10:00a.m.-10:50a.m.	MAN 125	EMERSON A
7330 DE	5	ARR	ARR		EMERSON A

### SPAN& 122 SPANISH II:DIV

7335 DE	5	ARR	ARR		D EMERSON A
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### SPAN& 123 SPANISH III:DIV

7340 DE	5	ARR	ARR		D EMERSON A
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### SPAN& 221 SPANISH IV

7345 DE	5	ARR	ARR		EMERSON A
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### SPAN& 222 SPANISH V

7350 DE	5	ARR	ARR		EMERSON A
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### SPAN& 223 SPANISH VI

7355 DE	5	ARR	ARR		EMERSON A
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## Speech

### SPCH 104 INTERPERSONAL COMMUNICATION

7360 A	5	TTh	11:10a.m.-1:10p.m.	AAR 102	H NEILL S
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### SPCH 110 INTRODUCTION TO PUBLIC SPEAKING

7365 A	5	TTh	10:00a.m.-12:00p.m.	MAN 203	H SCHABOT D
7370 B	5	MW	11:10a.m.-1:10p.m.	MAN 203	SCHABOT D
7375 C	5	MW	1:20p.m.-3:20p.m.	AAR 102	SUEK J
▽ 7382 E	5	T	3:30p.m.-5:30p.m.	MAN 205	PELLHAM D
Hybrid class; partly online.					

▽ 7380 DE	5	ARR	ARR		MOORE LD
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Students are required to have a WebCam. Students are REQUIRED to meet online every Monday from 5:30-7:00 p.m. Please contact instructor at [ldmoore@lowercolumbia.edu](mailto:ldmoore@lowercolumbia.edu) for more information.  
Online class.

### SPCH 114 SMALL GROUP COMMUNICATION

7390 A	5	MW	1:20p.m.-3:20p.m.	MAN 203	H NEILL S
7395 B	5	TTh	1:20p.m.-3:20p.m.	MAN 207	NEILL S

### SPCH 126 COMPETITIVE PUBLIC SPEAKING

7405 A	2	MW	3:30p.m.-5:30p.m.	RCA 141	SCHABOT D
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### SPCH 136 INTERCOLLEGIATE DEBATE

7410 A	2	MW	3:30p.m.-5:30p.m.	RCA 141	SCHABOT D
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### SPCH 226 COMPETITIVE PUBLIC SPEAKING

7415 A	2	MW	3:30p.m.-5:30p.m.	RCA 141	SCHABOT D
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### SPCH 236 INTERCOLLEGIATE DEBATE

7420 A	2	MW	3:30p.m.-5:30p.m.	RCA 141	SCHABOT D
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### SPCH 290 FORENSIC MANAGEMENT AND ORGANIZATION

7435 A	1	MW	3:00p.m.-5:00p.m.	RCA 141	SCHABOT D
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### EVENING CLASSES

### SPCH 110 INTRODUCTION TO PUBLIC SPEAKING

▽ 7385 N	5	W	6:00p.m.-8:15p.m.	RCA 220	MOORE LD
Hybrid class; partly online.					

### SPCH 114 SMALL GROUP COMMUNICATION

▽ 7400 N	5	M	6:00p.m.-8:15p.m.	RCA 220	PELLHAM P
Hybrid class; partly online.					

## Technology

### TECH 100 ADVANCED PRINCIPLES OF TECHNOLOGY

7450 A	5	TTh	1:20p.m.-4:00p.m.	VOC 115	NSA GERICK J
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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

7590 A	6	DAILY	8:00a.m.-11:00a.m.	VOC 161	EVALD A
7595 B	1- 6	MWF	8:00a.m.-11:00a.m.	VOC 161	EVALD A
7600 C	1- 6	MWF	1:00p.m.-4:00p.m.	VOC 161	EVALD A

## WELD 151 INTRODUCTION TO OXY ACETYLENE

7640 A	6	DAILY	8:00a.m.-11:00a.m.	VOC 161	BYRUM/EVALD
7645 B	1- 6	MWF	8:00a.m.-11:00a.m.	VOC 161	EVALD/BYRUM
7650 C	1- 6	MWF	1:00p.m.-4:00p.m.	VOC 161	BYRUM/EVALD

## WELD 152 INTRODUCTION TO ARC WELDING

7670 A	10	DAILY	8:00a.m.-11:00a.m.	VOC 161	BYRUM/EVALD
7675 B	1- 8	MWThF	8:00a.m.-11:00a.m.	VOC 161	EVALD/BYRUM
7680 C	1- 6	MWF	1:00p.m.-4:00p.m.	VOC 161	BYRUM/EVALD

## WELD 221 WIRE MACHINE

7700 A	10	DAILY	8:00a.m.-11:00a.m.	VOC 161	BYRUM/EVALD
7705 B	6	MWF	8:00a.m.-11:00a.m.	VOC 161	EVALD/BYRUM
7710 C	6	MWF	1:00p.m.-4:00p.m.	VOC 161	BYRUM/EVALD

## WELD 222 ADVANCED WIRE MACHINE

7730 A	6	MWF	8:00a.m.-11:00a.m.	VOC 161	BYRUM/EVALD
7735 B	6	MWF	8:00a.m.-11:00a.m.	VOC 161	BYRUM/EVALD
7740 C	6	MWF	1:00p.m.-4:00p.m.	VOC 161	BYRUM/EVALD

## WELD 254 ARC WELDING

7760 A	10	DAILY	8:00a.m.-11:00a.m.	VOC 161	BYRUM/EVALD
7765 B	1- 8	MWThF	8:00a.m.-11:00a.m.	VOC 161	BYRUM/EVALD
7770 C	1- 6	MWF	1:00p.m.-4:00p.m.	VOC 161	BYRUM/EVALD

## WELD 255 ADVANCED WELDING PROCESSES

7790 A	10	DAILY	8:00a.m.-11:00a.m.	VOC 161	BYRUM/EVALD
7795 B	1- 8	MWThF	8:00a.m.-11:00a.m.	VOC 161	BYRUM/EVALD
7800 C	1- 6	MWF	1:00p.m.-4:00p.m.	VOC 161	BYRUM/EVALD

## WELD 256 ADVANCED WELDING APPLICATION

7820 A	10	DAILY	8:00a.m.-11:00a.m.	VOC 161	BYRUM/EVALD
7825 B	1- 8	MWThF	8:00a.m.-11:00a.m.	VOC 161	EVALD/BYRUM
7830 C	1- 6	MWF	1:00p.m.-4:00p.m.	VOC 161	BYRUM/EVALD

## WELD 299 INDEPENDENT STUDY

7860 A	1-10	ARR	ARR	ARR	WELD FACULTY
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Instructor permission required to enroll.

## EVENING CLASSES

### WELD 105 RELATED WELDING I

7610 NA	2	Th	6:00p.m.-9:00p.m.	VOC 161	EVALD A
7615 NB	2	T	6:00p.m.-9:00p.m.	VOC 161	EVALD A
7620 NC	2	W	6:00p.m.-9:00p.m.	VOC 161	BUSLEY R

### WELD 151 INTRODUCTION TO OXY ACETYLENE

7655 NA	2	Th	6:00p.m.-9:00p.m.	VOC 161	EVALD A
7660 NB	2	T	6:00p.m.-9:00p.m.	VOC 161	EVALD A
7665 NC	2	W	6:00p.m.-9:00p.m.	VOC 161	BUSLEY R

### WELD 152 INTRODUCTION TO ARC WELDING

7685 NA	2	Th	6:00p.m.-9:00p.m.	VOC 161	EVALD A
7690 NB	2	T	6:00p.m.-9:00p.m.	VOC 161	EVALD A
7695 NC	2	W	6:00p.m.-9:00p.m.	VOC 161	BUSLEY R

### WELD 221 WIRE MACHINE

7715 NA	2	Th	6:00p.m.-9:00p.m.	VOC 161	EVALD A
7720 NB	2	T	6:00p.m.-9:00p.m.	VOC 161	EVALD A
7725 NC	2	W	6:00p.m.-9:00p.m.	VOC 161	BUSLEY R

### WELD 222 ADVANCED WIRE MACHINE

7745 NA	2	Th	6:00p.m.-9:00p.m.	VOC 161	EVALD A
7750 NB	2	T	6:00p.m.-9:00p.m.	VOC 161	EVALD A
7755 NC	2	W	6:00p.m.-9:00p.m.	VOC 161	BUSLEY R

### WELD 254 ARC WELDING

7775 NA	2	Th	6:00p.m.-9:00p.m.	VOC 161	EVALD A
7780 NB	2	T	6:00p.m.-9:00p.m.	VOC 161	EVALD A
7785 NC	2	W	6:00p.m.-9:00p.m.	VOC 161	BUSLEY R

### WELD 255 ADVANCED WELDING PROCESSES

7805 NA	2	Th	6:00p.m.-9:00p.m.	VOC 161	EVALD A
7810 NB	2	T	6:00p.m.-9:00p.m.	VOC 161	EVALD A
7815 NC	2	W	6:00p.m.-9:00p.m.	VOC 161	BUSLEY R

### WELD 256 ADVANCED WELDING APPLICATION

7835 NA	2	Th	6:00p.m.-9:00p.m.	VOC 161	EVALD A
7840 NB	2	T	6:00p.m.-9:00p.m.	VOC 161	EVALD A
7845 NC	2	W	6:00p.m.-9:00p.m.	VOC 161	BUSLEY R

### WELD 299 INDEPENDENT STUDY

7870 NA	1-10	Th	6:00p.m.-9:00p.m.	ARR	EVALD A
Instructor permission required to enroll.					
7875 NB	1-10	T	6:00p.m.-9:00p.m.	ARR	EVALD A
Instructor permission required to enroll.					
7880 NC	1-10	W	6:00p.m.-9:00p.m.	ARR	BUSLEY R
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](mailto: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 p.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

**3<sup>rd</sup> Annual Infant-3<sup>rd</sup> 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](http://lowercolumbia.edu/ce)



## About Continuing Education

For the latest information about Continuing Education, see [www.lowercolumbia.edu/ce](http://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](http://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](http://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](http://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](http://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](http://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](http://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

Learn professional flagging techniques and proper work zone set-up in accordance with standards and guidelines of the Federal Manual on Uniform Traffic Control Devices (MUTCD), Washington Modifications to the MUTCD, L & I WAC 296-155-305, and WSDOT State Standard Specifications. Upon successful completion, receive both the Washington State Department of Transportation (WSDOT) and American Traffic Safety Services Association (ATSSA) flagger cards valid for 3 years. Washington State Flagger Certification Card accepted in WA, OR, ID, and MT, ATSSA National Flagger Certification Card accepted in most other states. Fee includes textbook and ID cards. Rich Bunker, Master Instructor, for American Traffic Safety Services Association (ATSSA) \$75

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.

# Computers & Technology

## 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



Learn More

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](http://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](http://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](http://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](http://www.ed2go.com/lccbic)

## Still Available for Summer

**Kids College  
Recycled Art**  
July 14-17

**Lewis River Falls  
Day Trip**  
August 16

**Kids College  
Computer Essentials**  
July 21-24

**How to Apple iPad**  
July 28

**Kids College  
Hands-On Geometry**  
August 11-14

**CSI Bigfoot**  
July 8-August 5

**Kids College  
Apple iMovie**  
August 18-21

**Thinking Inside  
the Box**  
July 8-August 26

**Portland Saturday  
Market Day Trip**  
July 19



## 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) \$49

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.



### 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, Mary Ann Mabey) \$49

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

### 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

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

### 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.

## Travel & Outdoors

### 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 boasts 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!*





Year **2014**

Winter Summer  
Spring **Fall**

**Register Online**  
for Continuing Education!  
[lowercolumbia.edu/ce](http://lowercolumbia.edu/ce)

## Sign up now! Continuing Education

\_\_\_\_\_  
 \*\*Student ID (if known)    DOB (mm/dd/yyyy)    X    Signature (required for enrollment)

Last Name	First Name	Middle Initial	Previous Last Name
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Mailing Address	City	State	Zip Code
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E-mail Address	Home Phone	Work Phone	Cell Phone
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[illegible]

☐ Yes ☐ No Last year attended \_\_\_\_\_

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**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 Affair 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



Washington State

## 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](http://lowercolumbia.edu/directory) or the Entry Center if they have questions.

360.442.2311

[entry@lowercolumbia.edu](mailto: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](http://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](http://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](http://lowercolumbia.edu/finaid)

## ■ 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](http://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](mailto:workerretraining@lowercolumbia.edu)

## ■ 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:

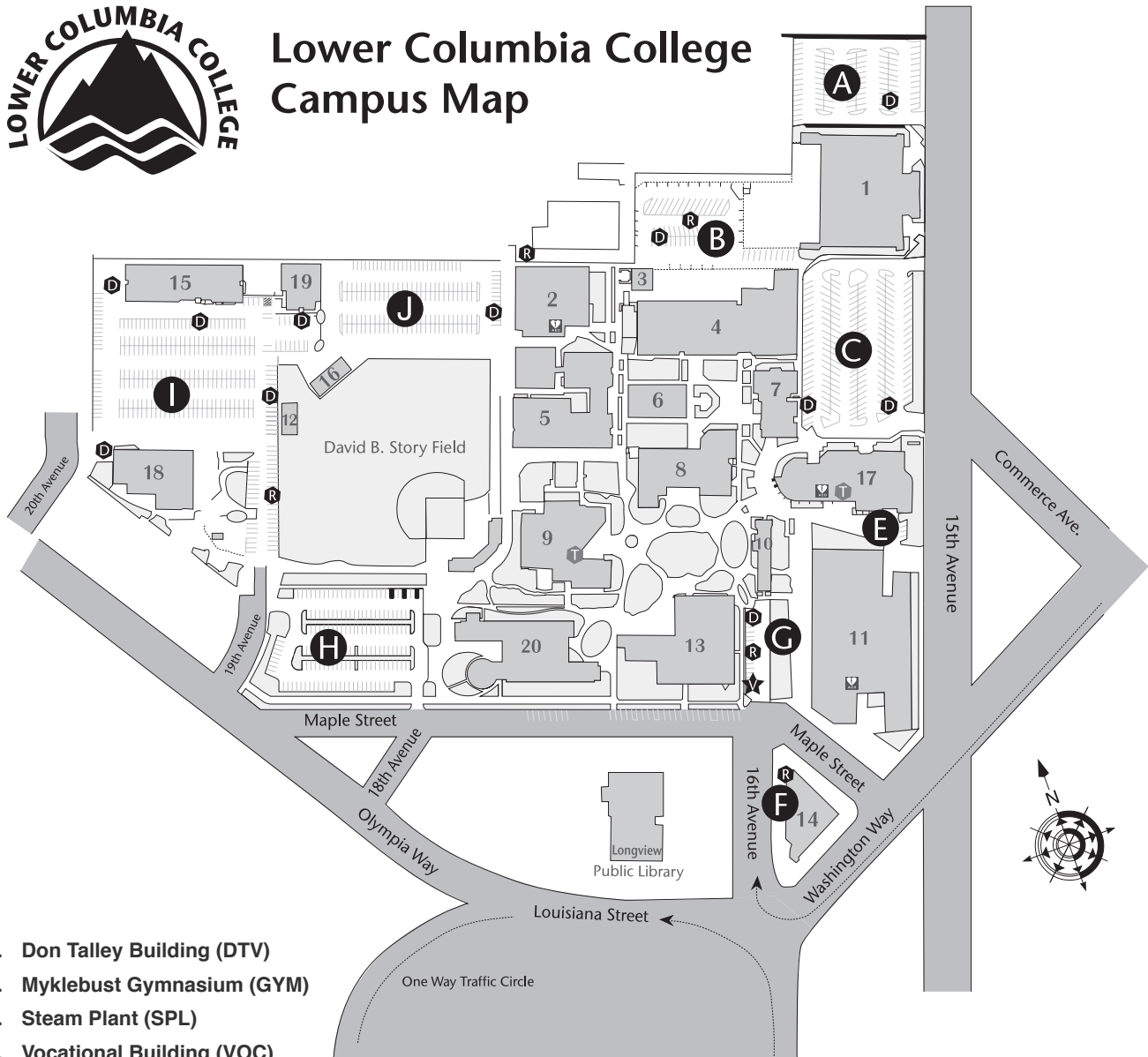
[lowercolumbia.edu/ged](http://lowercolumbia.edu/ged) or 360.442.2353

LCC now offers the 2014 GED series.

Go to [GED.com](http://GED.com) to sign up for your exam!



# Lower Columbia College Campus Map



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)

- A - J Parking Lots
- D Disabled Parking
- R Reserved Parking
- M Motorcycle Parking
- T Telephones
- ★ Visitors
- AED External Defibrillator (AED)

**Note:** Buildings are not physically numbered. The numbers on this map are for key purposes only.



1600 Maple Street  
PO Box 3010  
Longview, WA 98632-0310

PERIODICALS

## WSS CAR-RT PRESORT RESIDENTIAL CUSTOMER

# 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](http://lowercolumbia.edu) for more information and a link to bus schedules.

