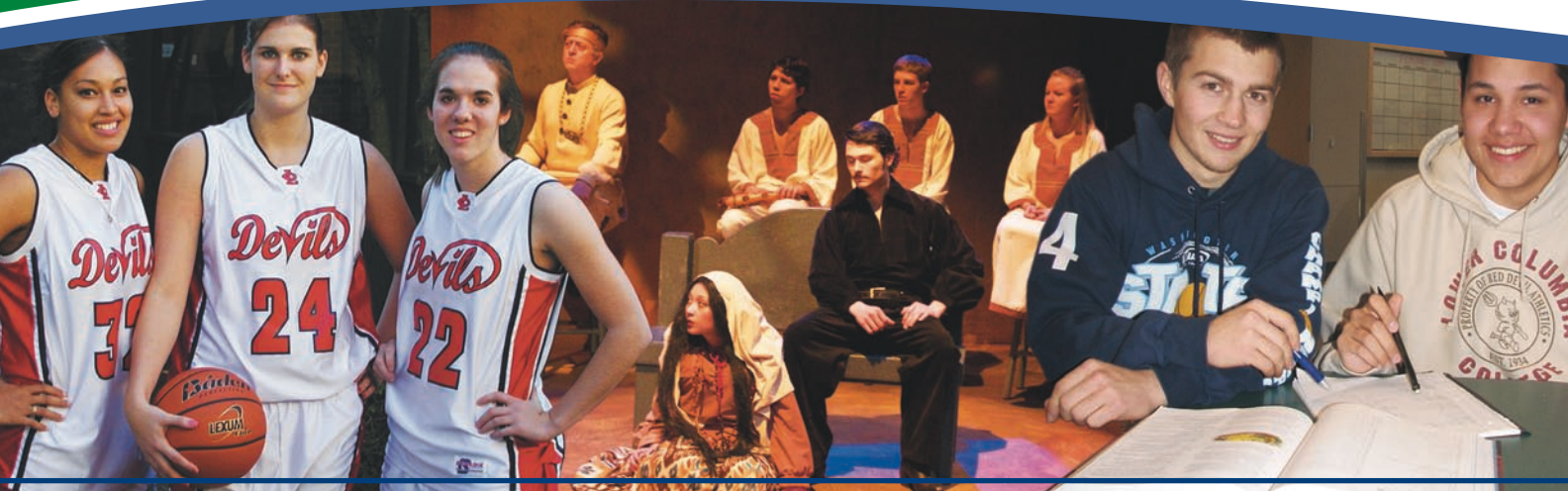


# WINTER 2014 LCC CLASS SCHEDULE



WINTER CLASSES BEGIN JANUARY 6



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LOWER COLUMBIA COLLEGE

*The Smart Choice!*

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## LCC Office Hours

### Regular Hours: Monday–Friday, 8 a.m.–5 p.m.

#### Registration and Entry Center—

Monday–Thursday.....	8 a.m.–5 p.m.
Fridays.....	10 a.m.–5 p.m.

#### Cashiering—

Monday–Thursday.....	8:15 a.m.–4:30 p.m.
Fridays.....	10 a.m.–4:30 p.m.

**Financial Aid hours are the same as Registration, except** Wednesdays, when professional staff are only available from 11 a.m. until 2 p.m.

*Student staff can provide limited assistance the rest of the day. Limited help hours give professional staff uninterrupted time to process aid requests and do necessary federal and state reporting.*

### January 6-9 (Monday–Thursday)

Advising, Financial Aid, and Registration will stay open until 6 p.m. Cashiering will stay open until 5:30 p.m.

### LCC will be closed Dec. 23-27 and Jan. 1

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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.



## Administrative Services Manager Degree Graduates in Demand in Today's Office

In today's business office, administrative professionals might be asked to analyze and identify customer trends to help with strategic marketing. They also use social media and internet tools, such as Skype, for communications with clients and business partners.

A new associate degree program at Lower Columbia College prepares graduates for a career as an Administrative Services Manager, projected to have growth potential for both the short and long term, according to the State's Employment Security Office.

Business owners and supervisors are spending more time in meetings and rely on their staff to provide administrative services that require a wider technical skill set than in the past, explains LCC instructor Nadine Lemmons.

Advanced skills taught in the new program include electronic records management and project management, team building and advanced spreadsheet training to do data analysis. Students also learn technical writing skills in order to accurately share information and data, including creation of charts and graphics.

The degree was developed in conjunction with Washington's Center of Excellence in Information Technology and then reviewed by the advisory board for LCC's Business Technology program. Members, who work in local industry, confirmed that skills taught in the new program match those required in today's workplace.

The skill set is deep enough that it applies to administrative services work in any industry, Lemmons said. This diversity helps graduates find employment in a wider range of career fields, from medical to legal to general offices. In addition, the degree is designed to prepare graduates for bachelor degree programs in Washington public universities, including Central Washington University and the Western Governor's University – Washington online degree program.

For a list of degree requirements, visit [lowercolumbia.edu/programs](http://lowercolumbia.edu/programs) and select the Administrative Services Manager - Associate in Applied Science link under Business Technology.



### Nadine Lemmons

Starting as a first generation, non-traditional college student, Nadine brings 20 years of administrative and management experience in various business industries to her classroom. *"Hard work, perseverance, and the love of learning is what got me my dream job; that is what I want for our students too."* She holds an MBA from Marylhurst University and is a Certified Microsoft Office Master.



### Mark Gaither

A professional educator for 25 years, Mark began exploring traditional and computer-based instruction while working with at-risk, inner-city youth. At the same time, his private business focused on developing computer-based instructional solutions for business and industry with an emphasis in healthcare training. He holds a MA in Education in Computer-based Curriculum and Instruction from the University of Phoenix.



## Art Classes in Sculpture, Journaling New This Winter

Students and community members with a passion for fine arts will have two new classes to explore winter quarter at LCC.

**Beginning Sculpture: Art in Context** (ART 251) is a 3-credit, beginning sculpture class that will help students choose an idea and develop it into a pleasing 3D form. Students will explore the function of art in our culture and in our personal lives, and further understand how they see the world around them. Students will create sculpture from a variety of media including plaster, paper, and found objects. The class will meet Monday and Wednesday mornings, 9 to 11:30, in the Main Building, Room 107.

Artists' journals fascinate everyone. In **Journaling for Artists** (ART 127) students will record their every day experiences as well as information they may want to draw upon later. Learn how to record each project's journey and progress while developing artistic ideas that will eventually turn into works of art. This 3-credit class will meet Mondays and Wednesdays, 12:20 to 2:50 p.m., in the Main Building, Room 107.

The instructor for both classes is **Marcia Hageman**, MFA, MSW. Marcia is known for her figurative sculpture in cement, plaster, and wood, and psychological portraiture in mixed media. She has kept an artist journal for many years.

# HOW TO REGISTER

Go to [lowercolumbia.edu/registration](http://lowercolumbia.edu/registration) to access the following steps

## Current Students

Registration begins November 18, 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 Winter 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.

## Important Dates for Winter

Priority registration for Winter begins .....	Nov. 18
Priority application deadline for Winter financial aid ...	Nov. 21
Open registration for Winter begins.....	Nov. 25
Winter Application for Admission Deadline.....	Dec. 2
Last day for Winter Administrative Hold .....	Dec. 12
Winter tuition deferment due date.....	Dec. 31
First day of classes .....	Jan. 6
Last day of online registration .....	Jan. 8
Last day to register/add classes .....	Jan. 10
Last day for 100% tuition refund.....	Jan. 10
Last day for 50% tuition refund.....	Jan. 24
Martin Luther King Day Holiday.....	Jan. 20
Presidents' Day Holiday .....	Feb. 17
Last day to apply for Winter graduation.....	Feb. 4
Last day to withdraw from classes.....	Feb. 28
Last day of Winter classes.....	March 14
Winter finals .....	March 18–20

*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 442.2311 or toll-free 1.866.900.2311.*

## New Students

Registration begins November 25 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 3 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 November 25. 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 (January 8), 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

--	--	--	--	--	--	--	--	--	--	--	--	--

### 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

November 18–January 8.

### 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 \$1.20 per credit facilities use fee and applicable lab fees.

2013-2014 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	114.79	124.42	129.23	286.79	90.73
2	229.58	248.84	258.46	573.58	181.46
3	344.37	373.26	387.69	860.37	272.19
4	459.16	497.68	516.92	1,147.16	362.92
5	573.95	622.10	646.15	1,433.95	453.65
6	688.74	746.52	775.38	1,720.74	544.38
7	803.53	870.94	904.61	2,007.53	635.11
8	918.32	995.36	1,033.84	2,294.32	725.84
9	1,033.11	1,119.78	1,163.07	2,581.11	816.57
10	1,147.90	1,244.20	1,292.30	2,867.90	907.30
11	1,205.84	1,306.82	1,357.27	2,930.85	953.53
12	1,263.78	1,369.44	1,422.24	2,993.80	999.76
13	1,317.97	1,428.31	1,483.46	3,053.00	1,042.24
14	1,372.16	1,487.18	1,544.68	3,112.20	1,084.72
15	1,426.35	1,546.05	1,605.90	3,171.40	1,127.20
16	1,480.54	1,604.92	1,667.12	3,230.60	1,169.68
17	1,534.73	1,663.79	1,728.34	3,289.80	1,212.16
18	1,588.92	1,722.66	1,789.56	3,349.00	1,254.64
19	1,685.18	1,828.55	1,900.26	3,617.26	1,326.84
20	1,781.44	1,934.44	2,010.96	3,885.52	1,399.04
21	1,877.70	2,040.33	2,121.66	4,153.78	1,471.24
22	1,973.96	2,146.22	2,232.36	4,422.04	1,543.44
23	2,070.22	2,252.11	2,343.06	4,690.30	1,615.64

## 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 \$21.90 per class is charged for certain classes identified in the course listing.
- **Facilities Maintenance:** The chart includes a fee of \$1.20 per credit, up to 18 credits (max. \$21.60), 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:** \$150.00 for first time on all five. 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 \$1.20/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. An \$9.10 fee per course is charged for an online, hybrid, or web-enhanced class, such as courses marked with the  code.

- **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.

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.

## 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.

### LCC Scholarship Night

Tuesday, January 14

6-7:30 p.m., Student Center

High school seniors and juniors and parents are invited. Learn how to find scholarships and how to write a good essay; plus other tips and tricks for Information will apply to any scholarship application with specifics about the LCC Foundation awards.

### 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 December 31 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 November 21 for Winter 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 December 12 at the Financial Aid Office.

If you miss either deadline, you will need to pay your own tuition to stay enrolled.

# Lower Columbia College Regional University Center

The new Regional University Center, located in the Alan Thompson Library at LCC, provides convenient options for residents of Cowlitz County, and surrounding counties, to earn bachelor's degrees without relocating or a lengthy commute. It will also increase the number of local professionals qualified to fill supervisory and management positions with area companies.

The goal of the center is to increase the number of adults with bachelor's degrees in Cowlitz and Wahkiakum counties. Currently, that number is half the state average.

## 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.



*From left to right: Marianne Fingado, City University of Seattle; Charlotte May, Concordia University; President Chris Bailey, Lower Columbia College; Provost Rex Fuller, Eastern Washington University; Chancellor Mel Netzhammer, Washington State University Vancouver.*

## Eastern Washington University

- Bachelor of Arts in Interdisciplinary Studies
- Bachelor of Science in Applied Technology
- Bachelor of Arts in Business Administration – Coming Fall 2014

**Advising: Jennifer Cockrill**

jcockrill@ewu.edu or 360.353.7811

Monday-Friday, 8 a.m.- 5 p.m.

## Washington State University Vancouver

- Bachelor of Science in Nursing – Coming Fall 2014

**Advising: Natalie Brusseu**

brusseu@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

**Advising: Paul Dehnert**

pdehnert@cityu.edu

Email to schedule an appointment

## 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 do well in their classes, earning GPA's equal to students who begin college studies at the university.

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.

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 more 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.

College	Annual Tuition with Increase for (2013-14)	Average GPA LCC Transfer Students
Lower Columbia College	\$4,279	— —
University of Washington	\$12,399	3.02
Washington State University	\$11,396	3.08
WSU Vancouver	\$11,386	3.18
Western Washington	\$8,862	3.23
Central Washington	\$7,941	3.07
Eastern Washington	\$7,568	3.3

### 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.*



# 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*

Many people who want to train for a new career also need to improve their skills in math, reading, and writing to find a 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 five 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.

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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)

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## 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 100</b>	<b>Computer Keyboarding</b>
<b>BTEC 101</b>	<b>Basic Word Processing and Formatting</b>
<b>BTEC 104</b>	<b>Introduction to Business Technology</b>
<b>BTEC 111</b>	<b>Word Processing I</b>
<b>BTEC 125</b>	<b>Filing</b>
<b>BTEC 148</b>	<b>Introduction To Outlook</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 101</b>	<b>Electrical Systems I</b>
<b>DHET 102</b>	<b>Electrical Systems 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 204</b>	<b>Music and Movement for Young Children</b>
<b>ECED 220</b>	<b>Arts and Crafts for Young Children</b>
<b>ECED 260</b>	<b>Practicum IV/Professionalism</b>
<b>ECED&amp; 105</b>	<b>Introduction Early Childhood Education</b>
<b>ECED 132</b>	<b>Infants/Toddler Care</b>
<b>ECED&amp; 190</b>	<b>Observation/Assessment</b>
<b>EDUC&amp; 130</b>	<b>Guiding Behavior</b>
<b>EDUC&amp; 205</b>	<b>Introduction to Education w/Field Experience:DIV</b>
<b>TECH 088</b>	<b>Pre-College Math II</b>
<b>TECH 089</b>	<b>Pre-College Math II</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.

We only offer I-BEST Health Occupations (HOC) in the fall and spring.

<b>HLTH 100</b>	<b>Occupational Safety and Health</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>BLPT 150</b>	<b>Machinist Blueprint Reading</b>
<b>MASP 072</b>	<b>Machine Shop Support II</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 072</b>	<b>Welding Support II</b>
<b>WELD 105</b>	<b>Related Welding I</b>

## Genes in Argument: From Food to Forensics

**Monday, Wednesday & Friday, 9 a.m.-12:10 p.m. • Instructors: Katrina Fuller, Nicole DiGerlando**

From genetically modified food to DNA profiling – genetic advances are changing the way we live. Learn to grasp the latest developments in genetics, explore ethical issues and make informed decisions for yourself through good research techniques. You'll earn 5 credits to satisfy a natural science lab requirement while earning 5 required English credits!

Sign up for:

**BIOL 150 IS, Human Genetics and Society, 5 credits**

*and*

**ENGL 102 IS, Composition II, 5 credits**



## FEARLESS FEMALES AND FEMMES FATALES

**Monday, Wednesday & Friday, 9 a.m.-12 p.m. • Instructors: Joan Herman, Courtney Shah**

The ideal class schedule: complete 10 credits in two classes that meet in a single time block, three days per week. Explore a great topic and really get to know your instructors and classmates.

Examine women's lives in fact and fiction. Readings may include the evocative Toni Morrison, the provocative Kate Chopin, the harrowing tales of Anne Hutchinson and Harriet Jacobs, and the rebellious Elizabeth Cady Stanton. Provides 5 credits of Humanities, 5 credits of Social Science and fulfills the Diversity Requirement for a transfer degree. Prerequisite: ENGL 100.

Sign up for:

**ENGL 140, Introduction to Women Writers:DIV, 5 credits**

*and*

**HIST& 215, Women in U.S. History:DIV, 5 credits**

## Power & Politics: The Good Life

**Monday-Thursday, 9 a.m.-11:10 a.m. • Instructors: Hiedi Bauer, David Benson**

Power & Politics combines English Composition and Introduction to Political Science into a single 10-credit course. The course aims to empower students by improving their ability to think about sources of power in their lives. We consider contending ideas about human nature, politics, and the good life.

The course will explore such questions as: Are humans by nature good or evil? Are we built to compete or cooperate? How do those in power shape our understanding of the world around us? What is necessary for a good life, how should things important for the good life be distributed, and who should decide?

Sign up for:

**ENGL 098, College-Ready English I, 5 credits**

*or*

**ENGL 100, College-Ready English II, 5 credits**

*or*

**ENGL& 101, English Composition I, 5 credits**

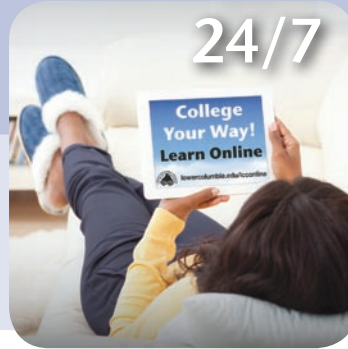
*and*

**POLS& 101, Intro to Political Science, 5 credits**





# College Your Way: Flexible Choices



## ONLINE LEARNING @ LCC

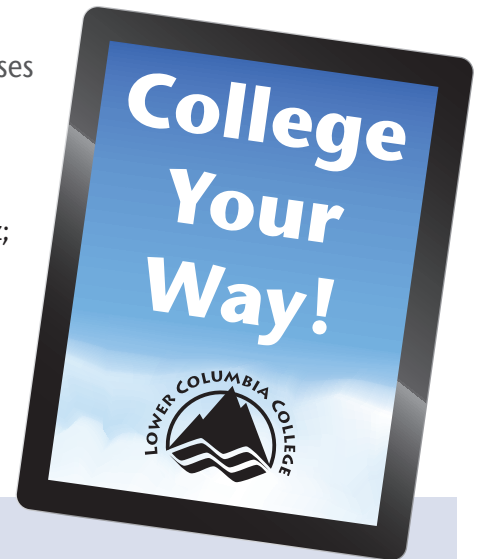
Online learning at Lower Columbia College offers flexibility for those with work, family and other responsibilities to complete college courses and even a degree without a regular commute to campus.

**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 — WINTER 2014

ACCT 260	Certified Bookkeeper Prep	BUS 244	Human Resource Management	ECON 105	Intro to Economics	MATH& 107	Math In Society
ACCT& 202	Principles of Accounting II			ECON& 202	Macro Economics	MEDA 205	Certification Review for Medical Assisting
AH 100	Blood Borne Pathogens & Infections	BUS 264	Principles of Marketing	ENGL 098	College-Ready English I	MUSC 109	Jazz Appreciation
AH 104	Healthcare Foundations	BUS& 101	Intro to Business	ENGL 100	College-Ready English II	MUSC 209	The Blues Culture:DIV
AH 114	Healthcare Communication Skills	BUS& 201	Business Law	ENGL 104	Review of Grammar and Punctuation	NUTR& 101	Nutrition
ART 227	History of Western Art	CHEM& 110	Chemical Concepts w/Lab	ENGL& 101	English Composition I	OCEA& 101	Intro to Oceanography
ART& 100	Art Appreciation:DIV	CHEM& 121	Intro to Chemistry	ENGL& 102	Composition II	PHED 152	Personalized Fitness
BIOL& 100	Survey of Biology	CJ 154	American Legal System	ERSI 105	Earth Systems	PHED 252	Personalized Fitness
BIOL& 160	General Biology w/Lab	COLL 093	Test Taking	FISC 101	Intro to Fire Protection	POLS& 202	American Government
BIOL& 241	Human Anatomy/Physiology I	COLL 094	Notetaking	GEOL& 208	Geology of the PNW	PSYC& 100	General Psychology
BIOL& 242	Human Anatomy/Physiology II	COLL 095	Time Management	HIST 254	History of Washington and the Pacific Northwest	PSYC& 200	Lifespan Psychology
*BTEC 148	Introduction to Outlook	COLL 096	Textbook Reading	HIST& 136	US History 1	SOC& 101	Intro to Sociology:DIV
BTEC 181	Medical Terminology I	COLL 104	College Knowledge	HIST& 137	US History 2	*SPAN& 121	Spanish I:DIV
BTEC 182	Medical Terminology II	CS 110	Microcomputer Applications	HLTH 106	Health Today	*SPAN& 122	Spanish II:DIV
BUS 144	Management/Human Relations:DIV	CS 121	Intro to Spreadsheets	HUM 230	Thinking About Thinking	*SPAN& 123	Spanish III:DIV
BUS 150	Customer Service/Management	CS 250	Digital Forensics & Law	LIBR 094	Info Literacy 1	*SPAN& 221	Spanish IV
BUS 206	Statistical Methods	ECED 187	Language Development for Infants & Toddlers	LIBR 104	Info Literacy 2	*SPAN& 222	Spanish V
		ECED& 100	Child Care Basics	*MATH 088/089	Pre-College Math II	*SPAN& 223	Spanish VI
		ECED& 139	Administration of Early Learning Programs	MATH 098/099	Pre-College Math III	SPCH 110	Intro to Public Speaking
				MATH 210	Elements of Statistics		

*\*These courses do not use Canvas*

## DO Try This At Home! Take Biology Lab Class Online.

LCC transfer students can now complete a five-credit natural science lab class completely online, and by using their kitchen as a home science lab. Biology 100, Survey of Biology, (BIOL& 100) will be offered, for the first time, Winter Quarter 2014 as an online course.

This course provides a general overview of biology, the science of life. It provides a survey of the fundamental life processes by which organisms live, grow, reproduce, and interact with their environment.

There are no pre-requisites for BIOL& 100. It fulfills a natural science lab course requirement for the Associate in Arts DTA degree and transfers to Washington State University and the Evergreen State College. Portland State University accepts the credits for the course but does not recognize it as fulfilling the PSU science requirement.

Laboratory exercises will be completed entirely online and by doing some experiments at home. Students will also take virtual field trips to Mono Lake, California, and to the rainforests of Central and South America.

Advantages of taking the course online, especially during Winter quarter, include the option to complete weekly tasks at times that are convenient for student schedules and a way to avoid commuting on icy winter roads for those in rural areas. Louis LaPlerre, LCC biology instructor, will teach the online course.



Jessica Harder. Photo credit: Story Telling Photography

### “Online learning makes it easy to go to school because it doesn’t interfere with your life”

“Just do it!” says Jessica Harder to anyone who is unsure about taking a college course online.

The Castle Rock native began attending Lower Columbia College during her senior year in high school. For many classes, she attended lectures in an LCC classroom but went online to access materials and to complete her assignments. Those hybrid courses made the switch to fully online classes a seamless process.

Before finishing her degree program at LCC, Jessica had an opportunity to move to Hawaii. Thanks to the Associate in Applied Science in Business Management online option, the move did not mean starting over at a new college.

“Whenever I had questions, my instructors were always willing to help me without making me feel like I was an inconvenience,” Jessica said. She was even able to participate in group projects with her classmates.

Not only did Jessica earn her degree, she was honored as the 2013 Outstanding Student of the Year in Business. “My degree will open a lot of doors for me,” she says.

Instructor Tim Allwine, who created the online business program, said many of his students choose the online option in order to schedule college classes around work and family obligations. Anyone who has used a Smart phone or made a purchase over the Internet has the computer skills to take his online business courses, Allwine says. “It’s that simple.”

### 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

Tuesday, January 7	1-2 p.m.	AA 109 E
Wednesday, January 8	2-3 p.m.	AA 108
Thursday, January 9	10-11 a.m.	AA 108
Monday, January 13	5-6 p.m.	AA 108

#### Canvas Bootcamp

Contact eLearning to register: 360.442.2520 or [elearning@lowercolumbia.edu](mailto:elearning@lowercolumbia.edu)

Thursday, January 2	9 a.m.-12 p.m.
Thursday, January 2	1 p.m.-4 p.m.
Tuesday, January 7	2-4 p.m.

*Bootcamp is free.*



## What If It Snows?

LCC doesn't operate school buses, so we may be open when local schools have closed due to ice, snow, or other conditions.

If the campus remains open during inclement weather, personal safety and good judgment are the foremost considerations. You decide whether to come to campus or stay home.

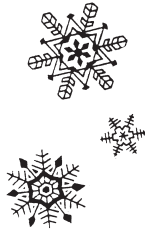
### Here's how to find out if campus is open or closed:

**Emergency Text Notifications** — Sign up to receive closure and other emergency information by text message on your mobile phone. Just text **'follow LowerCC\_Alerts'** to 40404. A confirmation will be sent to your mobile phone. You'll receive emergency text messages as they are issued. Regular text messaging charges apply.

**Media** — Check local TV or radio stations. If the campus closes due to severe weather, the media will be notified by 6 a.m. for day classes, and 2 p.m. for evening classes. If the campus closes for any other reason, the media will be notified immediately.

**Web** — Check [lowercolumbia.edu](http://lowercolumbia.edu) for current closure status. Emergency information will also be posted on [twitter.com/lowercc](https://twitter.com/lowercc) and [facebook.com/LowerColumbiaCollege](https://facebook.com/LowerColumbiaCollege)

**Telephone** — Call the LCC Message Line at 360.442.2000.



## Diversity Classes

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

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

## Winter 2014 Final Exam Schedule (March 18-20)

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.	March 19
7:00a.m.-8:20a.m.	MTWTh, MTWF, MWThF, TTh	8:00a.m.-10:00a.m.	March 20
9:00a.m.-9:50a.m.	TTh, MTWTh	8:00a.m.-10:00a.m.	March 18
9:00a.m.-9:50a.m.	MWF, MW, Daily	10:10a.m.-12:10p.m.	March 19
9:55a.m.-10:50a.m.	MW, MWF, Daily	10:10a.m.-12:10p.m.	March 20
11:00a.m.-11:55a.m.	MWThF, TTh, MTWTh	10:10a.m.-12:10p.m.	March 18
11:00a.m.-11:55a.m.	MW, MWF, Daily	12:20p.m.-2:20p.m.	March 19
12:00p.m.-12:55p.m.	MW, Daily, MWThF	12:20p.m.-2:20p.m.	March 20
1:00p.m.-2:00p.m.	MWF, MW, W, MTWTh, Daily, MTWF	12:20p.m.-2:20p.m.	March 18
1:00p.m.-2:30p.m.	TTh, Th, T	2:30p.m.-4:30p.m.	March 19
2:40p.m.-4:00p.m.	MWF, MW, M, W	2:30p.m.-4:30p.m.	March 20
2:40p.m.-4:00p.m.	T, TTh	2:30p.m.-4:30p.m.	March 18
*Classes that conflict with other finals	Such as: 10-10:50 Th, 11-11:50 MWF, 11:10-12 MWF, 12:25-1:15 MWF	Please contact your instructor for your final exam time	
5:00 p.m.-10:00 p.m.	All Times	During Class	Ask 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 are not required to take final exams for more than two classes on a single day. Students may petition the Vice President for Instruction for other final examination arrangements if such a conflict arises, after first contacting the instructor. 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. To deviate from the scheduled day, approval must be obtained from the Vice President for Instruction. 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.



# WINTER CLASSES

## 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 an \$9.10 fee. Boot Camp and Orientation information is on page 13.

## 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. Students now have the option of renting many of their books as well.
- 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 November 27th.

### Bookstore Hours

Monday-Thursday 7:30 a.m.-5:00 p.m.

Friday 7:30 a.m.-2:00 p.m.

*\*We will be open until 6 p.m.  
on January 6th and 7th.*

### Winter book buyback

March 17th, 12-4:30 p.m.

March 18th-20th, 8:30 a.m.-4:30 p.m.

March 21st, 8:30 a.m.-1p.m.

Course # Course Name

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

## Accounting

### ACCT 101 INTRODUCTION TO ACCOUNTING CONCEPTS

▽ 1425 A 5 TTh 1:20p.m.-3:20p.m. AAR 103 STANLEY J  
Computer lab fee will be charged.

### ACCT& 201 PRINCIPALS OF ACCOUNTING I

▽ 1445 A 5 MW 11:10a.m.-12:35p.m. AAR 103 STANLEY J  
Computer lab fee will be charged.  
Hybrid class; partly online

### ACCT& 202 PRINCIPALS OF ACCOUNTING II

▽ 1450 A 5 MW 9:00a.m.-10:25a.m. AAR 103 STANLEY J  
Hybrid class; partly online  
▽ 1455 DE 5 ARR ARR STANLEY J  
Online class.

### ACCT 260 CERTIFIED BOOKKEEPER PREP

▽ 1430 DE 5 ARR ARR STANLEY J  
Online class.

## Allied Health

### AH 100 BLOOD BORNE PATHOGENS AND INFECTION CONTROL

▽ 1463 DE 1 ARR ARR SOLADEY V  
Online class.

### AH 104 HEALTHCARE FOUNDATIONS

▽ 1465 DE 2 ARR ARR COLEMAN K  
Online class.  
▽ 1475 DE1 2 ARR ARR YARBROUGH S  
Online class.  
Start Date: 01/06/14 End Date: 02/07/14

### AH 114 HEALTHCARE COMMUNICATION SKILLS

▽ 1480 DE1 2 ARR ARR YARBROUGH S  
Online class.  
Start Date: 02/10/14 End Date: 03/14/14  
▽ 1485 DE 2 ARR ARR COLEMAN K  
Online class.

### AH 230 MANAGEMENT ISSUES IN HEALTH CARE

▽ 1505 A 1 M ARR YARBROUGH S  
Hybrid class; partly online.

### EVENING CLASSES

#### AH 104 HEALTHCARE FOUNDATIONS

▽ 1470 N 2 W 5:15p.m.-7:00p.m. AAR 126 ENGEL E  
Hybrid class; partly online.

#### AH 114 HEALTHCARE COMMUNICATION SKILLS

▽ 1495 N 2 Th 5:15p.m.-7:00p.m. AAR 126 ENGEL E  
Hybrid class; partly online.



## Course # Course Name

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

## American Sign Language

**ASL& 121 AM SIGN LANGUAGE I**

1557 A 5 MWF 11:10a.m.-12:35p.m. MAN 148 STAFF

## Anthropology

**ANTH& 206 CULTURAL ANTHROPOLOGY:DIV**

1560 A 5 MWF 11:10a.m.-12:35p.m. MAN 235 D,SS SHAW D

## Art

**ART& 100 ART APPRECIATION:DIV**
 1715 DE 5 ARR ARR COOPER R

Contact the instructor at rcooper@lowercolumbia.edu for more information.

Online class.

**ART 101 BEGINNING DRAWING**

1565 A 3 MW 1:00p.m.-3:40p.m. MAN 109 H,P NEELY D

**ART 102 INTERMEDIATE DRAWING**




1575 A 3 MW 1:00p.m.-3:40p.m. MAN 109 H,P NEELY D

**ART 106 BASIC DESIGN**


1590 A 5 TTh 1:20p.m.-3:20p.m. MAN 109 H,P KOHLMIEER M

**ART 107 BASIC DESIGN I**

1595 A 5 TTh 10:00a.m.-12:00p.m. MAN 109 H,P KOHLMIEER M

**ART 111 BEGINNING PAINTING-ACRYLICS**
 1600 A 3 TTh 8:00a.m.-10:50a.m. MAN 103 H,P COOPER R
**ART 112 INTERMEDIATE PAINTING-ACRYLICS**
 1605 A 3 TTh 8:00a.m.-10:50a.m. MAN 103 H,P COOPER R
**ART 113 ADVANCED PAINTING-ACRYLICS**
 1610 A 3 TTh 8:00a.m.-10:50a.m. MAN 103 H,P COOPER R
**ART 127 JOURNALING FOR ARTISTS**


1612 A 3 MW 12:20p.m.-2:50p.m. MAN 107 HAGEMAN M

**ART 130 INTRODUCTION TO GRAPHIC DESIGN**1615 A 4 MW 9:00a.m.-11:40a.m. MAN 118 H,P NEELY D  
Lab Fee: \$5.00**ART 154 BEGINNING ANALOG FILM PHOTO**1630 A 5 TTh 8:00a.m.-11:30a.m. MAN 118 H,P PIERSON M  
Lab Fee: \$32.80**ART 155 BEGINNING DIGITAL PHOTO**1625 A 5 TTh 12:00p.m.-3:30p.m. MAN 118 H,P PIERSON M  
Lab Fee: \$32.80**ART 227 HISTORY OF WESTERN ART**
 1645 DE 5 ARR ARR FREY T  
Online class.
**ART 241 BEGINNING CERAMIC ART**1650 A 3 MW 1:00p.m.-3:50p.m. MAN 104 H,P WOODS T  
Lab Fee: \$19.00**ART 242 INTERMEDIATE CERAMIC ART**1660 A 3 MW 1:00p.m.-3:50p.m. MAN 104 H,P WOODS T  
Lab Fee: \$25.80**ART 243 ADVANCED CERAMIC ART**1670 A 3 MW 1:00p.m.-3:50p.m. MAN 104 H,P WOODS T  
Lab Fee: \$25.80**ART 251 BEGINNING SCULPTURE**

1677 A 3 MW 9:00a.m.-11:30a.m. MAN 107 HAGEMAN M

**ART 290 ART STUDIO LAB-CERAMICS**1690 MM1- 3 ARR ARR WOODS T  
Instructor permission required to enroll.  
Lab Fee: \$25.80**ART 295 ART LAB-PHOTOGRAPHY**1695 MM1- 3 ARR ARR PIERSON M  
Instructor permission required to enroll.  
Lab Fee: \$32.80**ART 297 INDEPENDENT STUDY-ADOBE WORKSHOP**


1700 MM1- 3 ARR ARR NEELY D

**ART 299 INDEPENDENT STUDY-ART**
 1705 MM1- 3 ARR ARR COOPER R  
Instructor permission required to enroll.  
Lab Fee: \$27.30

1710 MM2 1- 3 ARR ARR KOHLMIEER M

Instructor permission required to enroll.  
Lab Fee: \$18.20

### EVENING CLASSES

**ART& 100 ART APPRECIATION:DIV**
 1725 N 5 T 6:00p.m.-8:00p.m. MAN 119 H COOPER R  
Satisfies the Diversity requirement.  
Hybrid class; partly online.
**ART 101 BEGINNING DRAWING**

1570 N 3 TTh 6:00p.m.-8:50p.m. MAN 109 H,P KOHLMIEER M

**ART 102 INTERMEDIATE DRAWING**1580 N 3 TTh 6:00p.m.-8:50p.m. MAN 109 H,P KOHLMIEER M  
Lab Fee: \$5.40**ART 103 ADVANCED DRAWING**

1585 N 3 TTh 6:00p.m.-8:50p.m. MAN 109 H,P KOHLMIEER M

**ART 156 INTERMEDIATE PHOTOGRAPHY-STUDIO**1635 N 3 TTh 6:00p.m.-8:30p.m. MAN 118 H,P PIERSON M  
Lab Fee: \$32.80**ART 162 PHOTOSHOP FOR WEB/PRINT**1640 N 3 MW 6:00p.m.-7:40p.m. MAN 118 NEELY D  
Basic computer skills required.  
Computer lab fee will be charged.**ART 241 BEGINNING CERAMIC ART**1655 N 3 MW 6:00p.m.-8:50p.m. MAN 104 H,P WOODS T  
Lab Fee: \$19.00**ART 242 INTERMEDIATE CERAMIC ART**1665 N 3 MW 6:00p.m.-8:50p.m. MAN 104 H,P WOODS T  
Lab Fee: \$25.80**ART 243 ADVANCED CERAMIC ART**1675 N 3 MW 6:00p.m.-8:50p.m. MAN 104 H,P WOODS T  
Lab Fee: \$25.80

## Course # Course Name

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

## Astronomy

## EVENING CLASSES

## ASTR&amp; 101 INTRODUCTION TO ASTRONOMY

NSL

▽ 1730 N 5 MW 6:00p.m.-9:00p.m. SCI 102

LIVINS P

Lab included.

## Automotive Technology

There is a fee of \$10.90 per student per quarter for all AMTC classes.

## AMTC 100 ESSENTIALS OF MECHANICS

1520 A 5 MW 12:30p.m.-3:30p.m. DTV 104 ROESKE G

## AMTC 111 HYDRAULIC BRAKES

1525 A 5 MTWTh 7:30a.m.-12:00p.m. DTV 232 KILE C

Start Date: 02/03/14 End Date: 02/20/14

## AMTC 112 ANTILOCK BRAKES/TRACTION

1530 A 3 MTWTh 7:30a.m.-12:00p.m. DTV 232 KILE C

Prerequisite: AMTC 111 or instructor approval.

Start Date: 02/24/14 End Date: 03/20/14

## AMTC 201 FUELS AND EMISSIONS

1535 A 10 MTWTh 8:00a.m.-12:00p.m. DTV 233 ROESKE G

Prerequisite: AMTC 101 and 102, or instructor permission.

## AMTC 215 SUSPENSION AND ALIGNMENT

1540 A 8 MTWTh 7:30a.m.-12:00p.m. DTV 232 KILE C

Start Date: 01/06/14 End Date: 01/30/14

## AMTC 299 INDEPENDENT STUDY

1555 A 1-5 ARR ARR DTV 104 STAFF

Instructor permission required to enroll.

## Biology

## BIOL&amp; 100 SURVEY OF BIOLOGY

NSL

▽ 1750 DE 5 ARR ARR

LAPIERRE L

Lab included. Lab Fee: \$27.30

Online class.

## BIOL 150 HUMAN GENETICS AND SOCIETY:IS

NSL

▽ 1733 IS1 5 MWF 9:00a.m.-12:10p.m. MAN 234 FULLER K

Integrated Studies: Genes in Argument: From Food to Forensics. Students must also enroll in ENGL&amp; 102 IS1, item 3707, for a total of 10 credits.

Lab Fee: \$20.00

## BIOL&amp; 160 GENERAL BIOLOGY

NSL

▽ 1765 A 5 TTh 9:00a.m.-11:00a.m. PSC 104 MYERS L

Students must also enroll in one of the lab sections, BIOL&amp; 160 LA, LB, or LC.

Lab Fee: \$18.90

▽ 1788 DE 5 ARR ARR

MYERS L

Lab included. Lab Fee: \$18.90

Online class.

## BIOL&amp; 160 GENERAL BIOLOGY—LAB

1775 LA 0 Th 11:10a.m.-1:00p.m. MAN 202 MYERS L

1780 LB 0 F 9:00a.m.-10:50a.m. MAN 202 MYERS L

1785 LC 0 F 11:10a.m.-1:00p.m. MAN 202 MYERS L

## BIOL&amp; 212 MAJORS BIOLOGY ANIMAL

NSL

▽ 1795 A 5 TTh 1:20p.m.-2:35p.m. MAN 233 FULLER K

TTh 2:50p.m.-4:40p.m. MAN 202

Lab included. Lab Fee: \$21.70

## BIOL&amp; 241 HUMAN ANATOMY AND PHYSIOLOGY 1

NSL

▽ 1800 A 6 WF 1:00p.m.-3:40p.m. PSC 102 MEYERS R

Prerequisite: BIOL&amp; 160 or equivalent with a grade of C or better or instructor permission. Students must also enroll for one of the lab sections, BIOL&amp; 241 LA, LB, or LC.

Lab Fee: \$21.70

▽ 1820 DE 6 ARR ARR

MEYERS R

No textbook required for this class.

Online class. Lab Fee: \$21.70

## BIOL&amp; 241 HUMAN ANATOMY AND PHYSIOLOGY 1—LAB

1805 LA 0 Th 9:00a.m.-11:50a.m. MAN 204 STAFF

1810 LB 0 F 9:00a.m.-11:50a.m. MAN 204 STAFF

1815 LC 0 Th 1:00p.m.-3:50p.m. MAN 204 STAFF

## BIOL&amp; 242 HUMAN ANATOMY AND PHYSIOLOGY 2

NSL

▽ 1825 A 6 MW 11:10a.m.-12:50p.m. PSC 102 MEYERS R

Prerequisite: BIOL&amp; 241 with a C- or better, or instructor permission. Students must also enroll for one of the lab sections, BIOL&amp; 242 LA, LB, or LC.

Lab Fee: \$21.70

▽ 1830 DE 6 ARR ARR

MEYERS R

Prereq: BIOL&amp; 241 or instructor permission. Students must have access to a computer and have keyboarding experience. Lab included. Contact instructor at rmeyers@lowercolumbia.edu for more information.

Online class. Lab Fee: \$21.70

## BIOL&amp; 242 HUMAN ANATOMY AND PHYSIOLOGY 2—LAB

1845 LA 0 T 9:00a.m.-11:50a.m. MAN 204 STAFF

1855 LB 0 M 1:30p.m.-4:20p.m. MAN 204 STAFF

1860 LC 0 T 1:00p.m.-3:50p.m. MAN 204 STAFF

## EVENING CLASSES

## BIOL&amp; 160 GENERAL BIOLOGY W/LAB

NSL

▽ 1790 N 5 M 5:15p.m.-7:30p.m. MAN 202 KEPLER C

Lab included. Lab Fee: \$18.90

Hybrid class; partly online.

## Blueprint Reading

## BLPT 150 MACHINISTS BLUEPRINT READING

1865 A 5 DAILY 12:10p.m.-1:00p.m. VOC 113 WAGNER J

## Business Administration

## BUS&amp; 101 INTRODUCTION TO BUSINESS

SS

▽ 2185 A 5 M 9:00a.m.-11:00a.m. AAR 124 ARMER G

Hybrid class; partly online.

▽ 2190 B 5 Th 11:10a.m.-1:10p.m. AAR 103 ALKAZIN SE

Hybrid class; partly online.

▽ 2195 DE 5 ARR ARR CUMMINGS D

Online class.



## Course # Course Name

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

**BUS 104 BUSINESS MATH APPLICATIONS**

▽ 2085 A 5 TTh 1:00p.m.-2:30p.m. AAR 106 ARMER G  
Hybrid class; partly online.

**BUS 119 BUSINESS COMMUNICATIONS**

▽ 2090 A 5 W 11:00a.m.-1:00p.m. LIB 130 ALLWINE T  
Hybrid class; partly online.

**BUS 144 MANAGEMENT OF HUMAN RELATIONS:DIV****D,SSA**

▽ 2095 A 5 W 1:20p.m.-3:20p.m. AAR 106 ALLWINE T  
Hybrid class; partly online.

▽ 2100 DE 5 ARR ARR ALLWINE T  
Online class.

**BUS 150 CUSTOMER SERVICE/MANAGEMENT**

▽ 2115 A 5 T 1:20p.m.-3:20p.m. AAR 102 ALKAZIN SE  
Hybrid class; partly online.

▽ 2120 DE 5 ARR ARR ALKAZIN SE  
Online class.

**BUS 165 SALESMANSHIP**

▽ 2125 A 5 T 1:20p.m.-3:20p.m. PSC 102 ALLWINE T  
Hybrid class; partly online.

**BUS& 201 BUSINESS LAW****SS**

2200 A 5 TTh 1:20p.m.-3:20p.m. MAN 125 QUIRK A  
▽ 2205 DE 5 ARR ARR QUIRK A

Online class.  
Prerequisite: ENGL& 101 or BUS 119 with grade of C or better or instructor permission.

**BUS 206 STATISTICAL METHODS****NS**

2130 A 5 DAILY 8:00a.m.-8:50a.m. VOC 112 SWEE R  
2135 B 5 TTh 1:20p.m.-3:20p.m. MAN 145 RHODE C

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

▽ 2145 DE 5 ARR ARR LUCAS J  
Online class.

**BUS 244 HUMAN RESOURCE MANAGEMENT**

▽ 2155 A 5 W 9:00a.m.-11:00a.m. AAR 124 ARMER G  
Hybrid class; partly online.

▽ 2157 DE 5 AAR AAR ARMER G  
Online class.

**BUS 264 PRINCIPLES OF MARKETING**

▽ 2160 A 5 Th 11:10a.m.-1:10p.m. AAR 123 ALLWINE T  
Hybrid class; partly online.

▽ 2165 DE 5 ARR ARR ALLWINE T  
Online class.

**BUS 294 CAREER SUCCESS**

▽ 2180 A 2 W 12:10p.m.-1:00p.m. AAR 102 HOMME S  
Computer lab fee will be charged.  
Hybrid class; partly online.

**EVENING CLASSES****BUS 144 MANAGEMENT OF HUMAN RELATIONS:DIV****D,SSA**

▽ 2110 N 5 Th 5:15p.m.-7:30p.m. AAR 103 BENA M  
Hybrid class; partly online.

**Business Technology**

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

**BTEC 104 INTRODUCTION TO BUSINESS TECHNOLOGY**

▽ 1910 A 5 MWF 1:20p.m.-2:45p.m. AAR 109E GAITHER M

**BTEC 111 WORD PROCESSING I**

▽ 1930 A 5 TTh 1:00p.m.-3:00p.m. AAR 109E GAITHER M  
See catalog for prerequisite.

**BTEC 148 INTRODUCTION TO OUTLOOK**

▽ 1975 DE 1- 2 ARR ARR ARR HOMME S  
Distance Ed course using e-mail and Outlook for corresponding.  
Online class.

**BTEC 172 MEDICAL OFFICE PROCEDURES**

▽ 2000 A 3 TTh 1:00p.m.-2:30p.m. SCI 108 MILLUS N  
▽ 2005 B 3 TTh 2:30p.m.-4:00p.m. SCI 108 MILLUS N

**BTEC 181 MEDICAL TERMINOLOGY I**

▽ 2010 DE 1- 3 ARR ARR BYMAN T  
Online class.

**BTEC 182 MEDICAL TERMINOLOGY II**

▽ 2020 DE 1- 3 ARR ARR BYMAN T  
Online class.

**BTEC 294 CAREER SUCCESS**

▽ 2045 A 2 W 12:10p.m.-1:00p.m. AAR 102 HOMME S  
Hybrid class; partly online.

**EVENING CLASSES****BTEC 162 INTRODUCTION TO ICD-10 CODING**

▽ 1990 N 5 MW 5:30p.m.-7:30p.m. AAR 103 BACKSTROM K  
Prerequisite: BTEC 161 with a grade of C or better or instructor permission.  
Hybrid class; partly online.

**Business Technology Lab**

Any new BTEC students enrolled in arranged BTEC classes (shown as "ARR") must attend a general orientation on Monday, January 6, 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, January 6.

**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.

**BTEC Lab Hours:** Monday-Friday 8 a.m.-3:45 p.m., Tuesday until 7 p.m. **Testing Times:** 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**

1890 P 1- 3 ARR ARR AAR 109 GAITHER M  
This course is graded on a Pass/Fail basis only. Students must sign up for orientation in AAR 109, Lab 5. Please allow one hour for this orientation.

**BTEC 101 BASIC WORD PROCESSING/FORMATting**

1905 P 1- 5 ARR ARR AAR 109 GAITHER M  
An orientation is required for this course. Students must sign up for orientation in AAR 109 or by calling 360.442.2710.

## Course # Course Name

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

### BTEC 105 KEYBOARDING SPEED/ACCURACY BUILDING

1920 P 1-4 ARR ARR AAR 109 GAITHER M  
This course is graded on a Pass/Fail basis only.

### BTEC 106 PROOFREADING SKILLS

1925 P 1-2 ARR ARR AAR 109 GAITHER M  
There is no computer lab fee for this class.

### BTEC 125 FILING

▽ 1950 P 1-3 ARR ARR AAR 109 LEMMONS N  
An orientation is required for this course. Students must sign up for orientation in AAR 109 or by calling 360.442.2710.

### BTEC 130 ELECTRONIC CALCULATORS

1955 P 1-2 ARR ARR AAR 109 LEMMONS N  
There is no computer lab fee for this class.

### BTEC 145 INTRODUCTION TO MS WORD

▽ 1960 P 1-5 ARR ARR AAR 109 GAITHER M

### BTEC 146 POWERPOINT FUNDAMENTALS

▽ 1965 P 1-2 ARR ARR AAR 109 LEMMONS N

### BTEC 147 INTRODUCTION TO DESKTOP PUBLISHING

▽ 1970 P 1-3 ARR ARR AAR 109 GAITHER M

### BTEC 149 INTERNET FUNDAMENTALS

▽ 1985 P 1 ARR ARR AAR 109 GAITHER M

### BTEC 164 LEGAL ASPECTS OF THE MEDICAL OFFICE

1995 P 1-2 ARR ARR AAR 109 LEMMONS N  
There is no computer lab fee for this class.

### BTEC 181 MEDICAL TERMINOLOGY I

▽ 2015 P 1-3 ARR ARR AAR 109 LEMMONS N

### BTEC 182 MEDICAL TERMINOLOGY II

▽ 2025 P 1-3 ARR ARR AAR 109 LEMMONS N

### BTEC 230 LEGAL TERMINOLOGY

▽ 2030 P 1-3 ARR ARR AAR 109 LEMMONS N



## Business Degree Online Option

Complete an Associate in Applied Science degree in Business Management online. Learn the same skills covered in the classroom, including accounting, economics, human resources, marketing and other business topics. See a list of required courses at [lowercolumbia.edu/programs](http://lowercolumbia.edu/programs) or contact advisor Tim Allwine, [tallwine@lowercolumbia.edu](mailto:tallwine@lowercolumbia.edu).

## Chemical Dependency

### EVENING CLASSES

**CDS 102 INTRODUCTION TO THEORIES/COUNSELING** H,P  
2210 N 3 T 6:00p.m.-8:30p.m. MAN 147 SCHULZ P  
Prerequisite: CDS 101 with a C or better.

**CDS 105 CHEMICAL DEPENDENCY/DOMESTIC VIOLENCE**  
2215 N 3 Th 5:30p.m.-8:00p.m. AAR 104 MILLER S

**CDS 106 PREVENTION/INTERVENTION SPECIALIST**  
2220 N 3 F 5:30p.m.-8:00p.m. AAR 104 MILLER S  
S 9:00a.m.-4:00p.m. AAR 104  
This class meets Fridays and Saturdays on these dates: February 7 and 8, 21 and 22, and March 7 and 8.

**CDS 121 LEGAL AND ETHICAL ISSUES - CDS**  
▽ 2225 N 3 M 6:00p.m.-8:30p.m. MAN 146 SCHULZ P

**CDS 203 RELAPSE PREVENTION AND INTERVENTION**  
2230 N 3 W 5:15p.m.-8:00p.m. AAR 104 CARROLL D

## Chemistry

**CHEM& 100 PREPARATORY CHEMISTRY** NSA  
2265 A 5 MWF 11:10a.m.-12:35p.m. PSC 104 HERBELIN A

**CHEM& 110 CHEMICAL CONCEPTS W/LAB** NSL  
2270 A 5 MWF 9:00a.m.-10:50a.m. PSC 106 HERBELIN A  
Lab Fee: \$12.60  
▽ 2275 DE 5 ARR ARR PECORE J  
Online class.  
Lab Fee: \$21.70

**CHEM& 121 INTRODUCTION TO CHEMISTRY** NSL  
▽ 2280 A 5 MW 10:00a.m.-11:00a.m. PSC 104 KEPLER C  
Students must also enroll in one of the lab sections, CHEM& 121 LA or LB.  
Hybrid class; partly online.  
Lab Fee: \$21.70

**CHEM& 121 INTRODUCTION TO CHEMISTRY—LAB**  
2290 LA 0 Th 9:00a.m.-11:50a.m. PSC 106 KEPLER C  
2295 LB 0 Th 1:20p.m.-4:10p.m. PSC 106 KEPLER C

**CHEM& 121 INTRODUCTION TO CHEMISTRY** NSL  
▽ 2285 DE 5 ARR ARR PECORE J  
Online class.  
Lab Fee: \$21.70

**CHEM& 162 GENERAL CHEMISTRY** NSL  
2300 A 5 MWF 8:55a.m.-9:55a.m. PSC 104 WOLFER A  
Students must also enroll for one of the lab sections, CHEM& 162 LA, LB, or LC.  
Lab Fee: \$22.80

**CHEM& 162 GENERAL CHEMISTRY—LAB**  
2305 LA 0 T 9:00a.m.-11:50a.m. PSC 106 WOLFER A  
2310 LB 0 T 1:20p.m.-4:10p.m. PSC 106 WOLFER A  
2315 LC 0 W 1:20p.m.-4:10p.m. PSC 106 WOLFER A

## Course # Course Name

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

**CHEM& 262 ORGANIC CHEMISTRY****NSL**

2320 A 5 MWF 1:20p.m.-2:10p.m. PSC 104

HERBELIN A

Students must also enroll for the lab section CHEM&amp; 262 LA or LB.

Lab Fee: \$22.80

**CHEM& 262 ORGANIC CHEMISTRY—LAB**

2325 LA 0 MW 2:20p.m.-4:10p.m. PSC 107

HERBELIN A

2330 LB 0 TTh 9:00a.m.-10:50a.m. PSC 107

HERBELIN A

## Chinese

**CHIN& 122 CHINESE II:DIV****D,H**

2333 A 5 MWF 9:00a.m.-10:25a.m. LIB 130

ZOU Y

## College Success

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

**COLL 093 TEST TAKING**▼ 2845 DE 1 ARR ARR ARR DEMAREST K  
Online class.

Lab Fee: \$10.30

2850 SP 1 ARR ARR LIB PERSONS C

Lab Fee: \$10.30

**COLL 094 NOTETAKING**

2855 SP 1 ARR ARR LIB PERSONS C

Lab Fee: \$10.30

▼ 2856 DE ARR ARR PERSONS C

Lab Fee: \$10.30

Online class.

**COLL 095 TIME MANAGEMENT**▼ 2860 DE 1 ARR ARR DEMAREST K  
Online class.**COLL 096 TEXTBOOK READING**▼ 2865 DE 1 ARR ARR ARR DEMAREST K  
Online class.

2870 SP 1 ARR ARR LIB PERSONS C

**COLL 100 COLLEGE SUCCESS**

2875 A 5 MWF 9:00a.m.-10:25a.m. MAN 148 HUTCHINSON A

Lab Fee: \$10.30

**COLL 101 FIRST YEAR SEMINAR I**

2880 A 2 MWF 8:00a.m.-8:50a.m. MAN 205 LEACH M

**COLL 102 FIRST YEAR SEMINAR II**

2885 B 2 TTh 8:00a.m.-9:15a.m. MAN 205 LEACH M

2890 C 2 MWF 12:10p.m.-1:00p.m. DTV 215 RISTER M

**COLL 104 COLLEGE KNOWLEDGE**

2895 B1 1 MW 2:00p.m.-2:50p.m. VOC 157A RISTER M

▼ 2900 DE 1 ARR ARR RISTER M  
Online class.

## Computer Science

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

**CS 100 INTRODUCTION TO INFORMATION SYSTEMS****SS**

▼ 2915 A 5 Th 11:00a.m.-1:00p.m. VOC 119 DEVIDA D

Students must log into class prior to first Wednesday. A computer lab fee will be charged.

Hybrid class; partly online.

**CS 102 WEB PAGE DESIGN**

2920 A 5 MWF 9:00a.m.-10:40a.m. AAR 110C ROSI D

**CS 110 MICROCOMPUTER APPLICATIONS**

2925 A 3 MWF 10:00a.m.-10:50a.m. AAR 105 DERKACHT D

▼ 2930 B 3 TTh 11:10a.m.-12:25p.m. AAR 105 HOMME S

▼ 2935 DE 3 ARR ARR HOMME S

Online class.

**CS 111 INTRODUCTION TO WINDOWS**

▼ 2945 A 4 MW 1:20p.m.-3:20p.m. AAR 123 HOMME S

**CS 121 INTRODUCTION TO SPREADSHEETS**▼ 2950 A 5 MWF 9:00a.m.-10:25a.m. AAR 109E LEMMONS N  
Prerequisites: BTEC 104 or CS 110, Math 089 or BUS 104, or instructor permission.

▼ 2955 DE 5 ARR ARR LEMMONS N

Prerequisites: BTEC 104 or CS 110, Math 089 or BUS 104, or instructor permission.

Online class.

**CS 130 INTRODUCTION TO DATABASE APPLICATIONS**

▼ 2965 A 5 TTh 9:00a.m.-10:30a.m. AAR 109E LEMMONS N

Prerequisite: CS 121 with a grade of C or better, or instructor permission.

Hybrid class; partly online.

**CS 141 PC TECHNICIAN I**

▼ 2970 A 5 Th 1:20p.m.-2:55p.m. VOC 119 DEVIDA D

Computer lab fee will be charged.

Hybrid class; partly online.

**CS 142 PC TECHNICIAN II**

▼ 2990 A 5 MW 2:00p.m.-3:00p.m. VOC 119 DEVIDA D

Computer lab fee will be charged.

Hybrid class; partly online.

**CS 170 PROGRAMMING FUNDAMENTALS****NS**

2975 A 5 MWF 11:10a.m.-12:50p.m. AAR 105 DERKACHT D

Prerequisite: MATH 089 with a grade of C or better and knowledge of Windows or instructor permission.

**CS 208 INTRODUCTION TO MANAGEMENT INFORMATION SYSTEMS**

▼ 2980 A 5 MWF 1:10p.m.-2:00p.m. AAR 124 ROSI D

Hybrid class; partly online.

**CS 212 CONFIGURING WINDOWS SERVER AD**

▼ 2985 A 5 T 1:20p.m.-3:25p.m. VOC 119 DEVIDA D

Prerequisite: CS 211 with a grade of C or better, or instructor permission.

Hybrid class; partly online.

**CS 249 ADVANCED OPERATING SYSTEMS**

▼ 2995 A 5 ARR ARR ROSI D

Students must attend an orientation on Tuesday, Jan. 7 at 11:10 a.m. in VOC 117. Additional lab time required on Tuesdays, 11:10 a.m. -12:00 p.m. or Wednesdays, 4:10 p.m. - 5:10 p.m.

Hybrid class; partly online.



## Course # Course Name

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

**CS 250 DIGITAL FORENSICS AND LAW**▽ 3000 DE 4 ARR ARR ROSI D  
Online class.**CS 275 OBJECT-ORIENTED PROGRAMMING IN JAVA**3005 A 5 MWF 1:20p.m.-2:45p.m. AAR 105 DERKACHT D  
Prerequisite: CS 170 with a grade of C or better or instructor permission.**CS 282 ASSEMBLY LANGUAGE PROGRAMMING**

3010 A 5 MW 3:00p.m.-5:30p.m. AAR 105 DERKACHT D

**EVENING CLASSES****CS 110 MICROCOMPUTER APPLICATIONS**

2940 N 3 TTh 5:15p.m.-6:30p.m. AAR 108 JUNEMAN 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 Work Based Learning 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 p.m. on December 12, 2013. Orientation will be held in the Career Center, Admissions Building 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 MAN 149. A \$13.70 lab fee will be charged for all 288 classes.

ACCT	288	1435	CS	288	3015	LIBR	288	5070
ACCT	289	1440	CS	289	3020	LIBR	289	5075
AH	288	1510	ECED	288	3230	MASP	288	5180
AH	289	1515	ECED	289	3235	MASP	289	5185
AMTC	288	1545	EDUC	288	3285	MATH	288	5630
AMTC	289	1550	EDUC	289	3290	MATH	289	5635
ART	288	1680	ENGR	288	3730	MEDA	288	5720
ART	289	1685	ENGR	289	3735	MEDA	289	5725
BUS	288	2170	ENVS	288	3760	MUSC	288	5915
BUS	289	2175	ENVS	289	3765	MUSC	289	5920
BTEC	288	2035	FISC	288	4350	PSYC	288	6760
BTEC	289	2040	FISC	289	4355	PSYC	289	6765
CDS	288	2235	HLTH	288	4605	SPCH	288	7050
CDS	289	2240	HLTH	289	4610	SPCH	289	7055
CHEM	288	2250	HDEV	288	4495	WELD	288	7490
CHEM	289	2255	HDEV	289	4500	WELD	289	7495
CJ	288	2355	ICP	288	4880			
CJ	289	2360	ICP	289	4885			

**Criminal Justice****CJ 154 AMERICAN LEGAL SYSTEM**2335 A 5 TTh 8:00a.m.-9:50a.m. AAR 123 QUIRK A  
▽ 2337 DE 5 ARR ARR QUIRK A  
Online class.**CJ 181 REPORT WRITING FOR LAW**▽ 2340 A 3 F 1:10p.m.-2:00p.m. MAN 146 ROOSE J  
Hybrid class; partly online.**CJ 183 ADMINISTRATION OF JUSTICE**

2345 A 5 TTh 1:20p.m.-3:20p.m. MAN 235 HAMILTON A

**Dance****DANCE 100 INTRODUCTION TO DANCE**▽ 3030 A 2 MW 3:30p.m.-4:45p.m. RCA 139 H,P  
DICK V**DANCE 144 SHOW DANCE**

3035 A 2 MWF 2:10p.m.-3:00p.m. RCA 102 DICK V

**Diesel/Heavy Equipment Technology**

There is a fee of \$10.90 per student per quarter for all DHET classes.

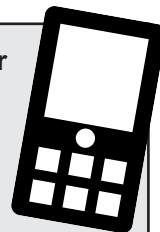
**DHET 101 ELECTRICAL SYSTEMS I**3040 A 5 MTWTh 7:30a.m.-12:00p.m. DTV 106A ECKLUND K  
Start Date: 01/06/14 End Date: 01/23/14  
3045 B 5 MTWTh 10:30a.m.-3:00p.m. DTV 106A ECKLUND K  
Start Date: 01/06/14 End Date: 01/23/14**DHET 102 ELECTRICAL SYSTEMS II**3055 A 10 MTWTh 7:30a.m.-12:00p.m. DTV 106A ECKLUND K  
Start Date: 01/27/14 End Date: 03/13/14  
3060 B 10 MTWTh 10:30a.m.-3:00p.m. DTV 106A ECKLUND K  
Start Date: 01/27/14 End Date: 03/13/14**DHET 210 DIESEL ENGINE REBUILD**

3070 A 16 MTWTh 12:00p.m.-4:30p.m. DTV 123 DILLINGER J

**DHET 299 INDEPENDENT STUDY**3075 MM 8 ARR ARR DILLINGER J  
Instructor permission required to enroll.**Digital Forensics Series Starts Winter**

Law enforcement, private security and human resources professionals: learn how to preserve and use digital evidence from computers, cell phones and other electronic devices. LCC's Digital Forensics Certificate is a four-quarter program beginning Winter with CS 250, Digital Forensics and the Law, offered online as

a stand-alone certificate or as part of an Associate in Applied Science degree in Information Technology Systems. For information contact David Rosi at [drosi@lowercolumbia.edu](mailto:drosi@lowercolumbia.edu)



Course # Course Name

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

## Drafting

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

### EVENING CLASSES

#### DRFT 107 TECHNICAL GRAPHICS

▽ 3080 N 1-3 TTh 6:00p.m.-8:15p.m. VOC 113 ROGERS K

#### DRFT 151 COMPUTER AIDED DRAFTING

▽ 3085 N 1-3 TTh 6:00p.m.-8:15p.m. VOC 113 ROGERS K

#### DRFT 210 ADVANCED TECHNICAL GRAPHICS

▽ 3090 N 1-3 TTh 6:00p.m.-8:15p.m. VOC 113 ROGERS K  
Prerequisite: DRFT 107 or permission of instructor.

#### DRFT 252 3D COMPUTER AIDED DRAFTING

▽ 3095 N 1-3 TTh 6:00p.m.-8:15p.m. VOC 113 ROGERS K

#### DRFT 260 SURVEY OF CIVIL AND ARCHITECTURAL GRAPHICS

▽ 3100 N 3 TTh 6:00p.m.-8:15p.m. VOC 113 ROGERS K

## Drama

#### DRMA& 101 INTRODUCTION TO THEATRE

3140 A 5 MWF 9:00a.m.-10:25a.m. RCA 220 CORRELL D H

#### DRMA 107 INTRODUCTION TO ACTING II

3105 A 5 TTh 1:00p.m.-3:30p.m. RCA 131 CORRELL D H,P

#### DRMA 116 STAGE CRAFTS I

3110 A 5 MWF 1:20p.m.-2:45p.m. RCA 148 COCHRAN R

#### DRMA 117 STAGE CRAFTS II

3115 A 5 MWF 1:20p.m.-2:45p.m. RCA 148 COCHRAN R

#### DRMA 118 STAGE CRAFTS III

3120 A 5 MWF 1:20p.m.-2:45p.m. RCA 148 COCHRAN R

#### DRMA 207 ACTING II

3130 A 5 TTh 1:00p.m.-3:30p.m. RCA 131 CORRELL D P

### EVENING CLASSES

#### DRMA 197 REHEARSAL & PERFORMANCE II

3125 N 1-5 ARR 6:00p.m.-10:00p.m. RCA 131 CORRELL D P  
Enrollment restricted to students in current production.

#### DRMA 297 REHEARSAL & PERFORMANCE V

3135 N 1-5 ARR 6:00p.m.-10:00p.m. RCA 131 CORRELL D P  
Enrollment restricted to students in current production.

## Early Childhood Education

#### ECED& 100 CHILD CARE BASICS

▽ 3160 DE 3 ARR ARR AKINS-FIELDS  
Online class.  
Lab Fee: \$66.05

#### ECED& 105 INTRODUCTION TO EARLY CHILDHOOD EDUCATION

▽ 3185 A 5 T 3:30p.m.-6:30p.m. VOC 111 AKINS-FIELDS

#### ECED& 132 INFANTS/TODDLER CARE

▽ 3240 A 3 F 10:00a.m.-12:30p.m. VOC 111 ZBAEREN J  
Hybrid class; partly online.

#### ECED& 139 ADMINISTRATION OF EARLY LEARNING PROGRAMS

▽ 3312 DE 3 ARR ARR ZBAEREN J  
Online class.

#### ECED 187 LANGUAGE DEVELOPMENT FOR INFANTS AND TODDLERS

▽ 3190 DE 3 ARR ARR JOHNSON S  
Online class.

#### ECED 204 MUSIC AND MOVEMENT FOR YOUNG CHILDREN

▽ 3195 A 3 T 10:00a.m.-1:00p.m. VOC 111 WILLIAMSON A

#### ECED 220 ARTS AND CRAFTS FOR YOUNG CHILDREN

▽ 3205 A 3 W 3:30p.m.-6:30p.m. VOC 111 WILLIAMSON A

#### ECED 260 PRACTICUM IV/PROFESSIONALISM

▽ 3220 A 3 W 2:00p.m.-3:00p.m. VOC 111 WILLIAMSON A  
Instructor permission required to enroll.

### EVENING CLASSES

#### ECED 137 HEALTHY PHYSICAL DEVELOPMENT

▽ 3155 N 1 Th 6:30p.m.-8:30p.m. VOC 111 AKINS-FIELDS

#### ECED& 190 OBSERVATION/ASSESSMENT

▽ 3245 N 3 M 6:00p.m.-8:00p.m. VOC 111 AKINS-FIELDS  
This class includes participation in actual early childhood classrooms in addition to class meeting times.  
Lab Fee: \$56.95

## Earth Science

#### ERSI 105 EARTH SYSTEMS

▽ 3770 DE 5 ARR ARR NSL  
Online class. BARD E

## Economics

#### ECON 105 INTRODUCTION TO ECONOMICS

▽ 3260 A 5 MTWTh 11:10a.m.-12:00p.m. RCA 220 FRANZ J SS  
Hybrid class; partly online.  
▽ 3262 DE 5 ARR ARR FRANZ J  
Online class.

#### ECON& 201 MICRO ECONOMICS

▽ 3265 A 5 TTh 9:00a.m.-11:00a.m. RCA 220 FRANZ J SS  
Hybrid class; partly online.

#### ECON& 202 MACRO ECONOMICS

▽ 3270 DE 5 ARR ARR FRANZ J SS  
Contact the instructor at jfranz@lowercolumbia.edu for more information.  
Online class.

# Course # Course Name

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

## Education

### EDUC& 130 GUIDING BEHAVIOR

3305 A 3 M 1:00p.m.-3:00p.m. VOC 111 ZBAEREN J  
Hybrid class; partly online.

### EDUC 191 INTRODUCTION TO TUTORING

3280 A 1 ARR ARR WILLIAMSON A

### EDUC& 203 EXCEPTIONAL CHILD

3315 A 3 Th 2:00p.m.-4:00p.m. VOC 111 ZBAEREN J  
Hybrid class; partly online.

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

3320 A 5 MW 10:00a.m.-11:30a.m. VOC 111 WILLIAMSON A  
This class includes participation in actual elementary classrooms in addition to class meeting times.

### EVENING CLASSES

#### EDUC 119 CURRICULUM AND INSTRUCTION

3275 N 2 M 4:40p.m.-6:20p.m. VOC 116 JOHNSON A

## Engineering

### ENGR 106 ENGINEERING PROBLEMS

3725 A 3 MF 1:20p.m.-3:50p.m. PSC 106 GERICK J

### ENGR& 215 DYNAMICS

3755 A 5 MWThF 1:00p.m.-2:05p.m. MAN 207 MORRISON D

### EVENING CLASSES

#### ENGR& 121 ENGINEERING GRAPHICS I

3740 N 1-3 MW 6:00p.m.-8:00p.m. VOC 113 MORRISON D  
Computer lab fee will be charged.

#### ENGR& 122 ENGINEERING GRAPHICS II

3745 N 1-3 MW 6:00p.m.-8:00p.m. VOC 113 MORRISON D  
Prerequisite: ENGR& 121 or instructor permission. A computer lab fee will be charged.

#### ENGR& 123 ENGINEERING GRAPHICS III

3750 N 1-3 MW 6:00p.m.-8:00p.m. VOC 113 MORRISON D

## English

Sections designated SP are self-paced classes. See Learning Commons—Self-Paced Learning for more information.

### ENGL 072 SENTENCE AND PARAGRAPH STRUCTURE

3330 SP 1-2 ARR ARR LIB PERSONS C

### ENGL 073 THE COLLEGE ESSAY

3335 SP 1-2 ARR ARR LIB PERSONS C

### ENGL 090 SPELLING IMPROVEMENT

3340 SP 1 ARR ARR LIB PERSONS C

### ENGL 095 VOCABULARY BUILDING

3345 SP 1 ARR ARR LIB PERSONS C

### ENGL 096 READING WORKSHOP I

3350 A 2 MWF 1:20p.m.-2:45p.m. MAN 148 LEACH M

### ENGL 097 READING WORKSHOP II

3355 A 2 MWF 1:20p.m.-2:45p.m. MAN 148 LEACH M

### ENGL 098 COLLEGE READY ENGLISH I

3360 A 5 MWF 7:25a.m.-8:50a.m. DTV 215 SHULKE D  
3365 B 5 DAILY 8:00a.m.-8:50a.m. AAR 124 HUTCHINSON A  
3370 DE 5 ARR ARR LEMIERE A  
Online class.

3380 E 5 DAILY 9:00a.m.-9:50a.m. DTV 215 SHULKE D  
3385 F 5 DAILY 9:00a.m.-9:50a.m. VOC 112 STOWELL B  
3390 G 5 DAILY 10:00a.m.-10:50a.m. DTV 215 CONNOLLY B  
3395 H 5 DAILY 11:10a.m.-12:00p.m. AAR 124 HUTCHINSON A  
3400 I 5 DAILY 11:10a.m.-12:00p.m. DTV 215 CONNOLLY B

3405 IT 5 MTWTh 9:00a.m.-11:30a.m. MAN 147 BAUER H  
Integrated Studies: Power and Politics: What Controls the Good Life. Students must also enroll in POLS 101, item 6740 for a total of 10 credits.

3420 K 5 DAILY 1:20p.m.-2:10p.m. DTV 232 SHULKE D

### ENGL 099 SELF-PACED LEARNING LAB PRACTICUM

3440 SP 1-3 ARR ARR LIB PERSONS C

### ENGL 100 COLLEGE READY ENGLISH II

3445 A 5 MWF 7:25a.m.-8:50a.m. DTV 215 SHULKE D  
3450 B 5 DAILY 8:00a.m.-8:50a.m. AAR 124 HUTCHINSON A  
3460 DE 5 ARR ARR LEMIERE A  
Online class.

3465 E 5 DAILY 9:00a.m.-9:50a.m. DTV 215 SHULKE D  
3470 F 5 DAILY 9:00a.m.-9:50a.m. VOC 112 STOWELL B  
3475 G 5 DAILY 10:00a.m.-10:50a.m. DTV 215 CONNOLLY B  
3480 H 5 DAILY 11:10a.m.-12:00p.m. AAR 124 HUTCHINSON A  
3485 I 5 DAILY 11:10a.m.-12:00p.m. DTV 215 CONNOLLY B

3490 IT 5 MTWTh 9:00a.m.-11:30a.m. MAN 147 BAUER H  
Integrated Studies: Power and Politics: What Controls the Good Life. Students must also enroll in POLS 101, item 6740 for a total of 10 credits.

3505 K 5 DAILY 1:20p.m.-2:10p.m. DTV 232 SHULKE D

### ENGL& 101 ENGLISH COMPOSITION I

3585 A 5 DAILY 8:00a.m.-8:50a.m. MAN 203 WALKER N  
3590 B 5 DAILY 9:00a.m.-9:50a.m. DTV 214 CONNOLLY B  
3595 C 5 DAILY 9:00a.m.-9:50a.m. MAN 203 RISTER M  
3600 DE 5 ARR ARR RONISH C

Themed course: Modern Gothic: Twilight, the Macabre, and the Sublime.  
Online class.

3605 DE1 5 ARR ARR MCCARTHY D

Online class.

3610 E 5 M 1:10p.m.-3:00p.m. MAN 233 DIGERLANDO N  
Hybrid class; partly online.

3620 G 5 TTh 11:10a.m.-1:10p.m. VOC 112 LEMIERE A  
3625 H 5 DAILY 10:00a.m.-10:50a.m. AAR 123 MOIR D  
3630 I 5 MWF 11:10a.m.-12:35p.m. DTV 232 ZERNDT J

3635 IT 5 MTWTh 9:00a.m.-11:30a.m. MAN 147 BAUER H  
Integrated Studies: Power and Politics: What Controls the Good Life. Students must also enroll in POLS 101, item 6740 for a total of 10 credits.

3640 J 5 MWF 1:20p.m.-2:45p.m. MAN 147 STAFF

3645 K 5 TTh 1:20p.m.-3:20p.m. DTV 214 DIGERLANDO N

# Winter Events at Lower Columbia College



## ROSE CENTER FOR THE ARTS

### ART GALLERY

**Fall 2013**  
**Group Exhibit:**  
**Voyage to Haida Gwaii**  
 November 12 – December 6

#### Winter 2014

**Jeana Edelman &  
 James Lily**

January 7 – 24  
 Opening Reception:  
 January 7, 4-6 p.m.

**Deborah Bouchette**  
 February 18 – March 14

Opening Reception:  
 February 18, 4-6 p.m.

**Gallery Hours:**  
 Mon-Tues 10 a.m.-6 p.m.  
 Wed-Fri 10 a.m.-4 p.m.

### THEATRE

#### **Bullshot Crummond**

A parody of 1930s  
 B grade detective  
 movies by Ron House,  
 Diz White, et al.

**November  
 20-23, 29 & 30  
 December 5-7**



British heroism at its  
 dumbest. Professor  
 Fenton, who has  
 discovered a formula  
 for making synthetic  
 diamonds, has been  
 kidnapped by Otto and  
 Lenya. Bullshot Crummond  
 is called to the rescue. He  
 finally triumphs by shooting  
 the rest of the cast.

*Auditions are open to all college and community members*

#### **The Tempest**

Magic and revenge on  
 an isolated island by  
 William Shakespeare

**February 26-28  
 March 1, 6-8  
 March 13-15**

#### **Auditions:**

January 6-7, 6-9 p.m.  
 11 men, 2 women



Prospero, the former Duke  
 of Milan, now a magician  
 on an Mediterranean  
 island plots through magic  
 to return his daughter,  
 Miranda to her rightful  
 place. Miranda of course  
 falls in love the son of her  
 father's enemy.

### CHOIR CONCERT

#### *Ringling in the Holidays*



With some of your  
 favorite holiday  
 carols: Carol of  
 the Bells, Bells are  
 Ringing, Sleigh Bells  
 and even Edgar  
 Allan Poe's The  
 Bells, not to mention  
 a bell choir! There  
 will be toy soldiers,  
 a grinch and much  
 more to get you in  
 the holiday spirit.

**Friday  
 December 13**

### LCC BAND & CHOIR CONCERTS

#### Fall 2013

Opera Gala	November 21
Symphonic Band	December 6
Jazz Night	December 10
Choir Concert	December 13



#### Winter 2014

Symphonic Band	March 7
Jazz Night	March 11
Choir Concert	March 14
Opera Gala	March 20

All performances start at 7:30 p.m. in the Wollenberg Auditorium • Tickets & Info: [lowercolumbia.edu/aande](http://lowercolumbia.edu/aande)



# Lower Columbia College is *The Smart Choice!*

**U.S. consumers are more value conscious than ever following the recent economic recession.**

The good news for residents of Washington State is that community colleges offer value (high quality education for affordable tuition) and job security. (College graduates earn higher wages and are less likely to be unemployed, according to the U.S. Labor Department.)

It's well known that students who live at home and complete lower division studies at Lower Columbia College save substantial costs, \$20,000 per year or more.

But did you know that Washington students who transfer from a two-year college to a four-year school do just as well as those who begin studies at a university? This was confirmed by a recent study that looked at 20,499 bachelor degree students who graduated from Washington universities in 2011.\*

## Transfer Students Equal In All Majors

Community college transfer students made up 40 percent of the 2011 bachelor degree graduates in the study. They graduated with virtually the same number of credits as those who started as freshmen at a university – an indicator of the smooth transfer between two- and four-year colleges. Their GPAs were similar as well.

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)

These are the same career fields projected to offer strong employment opportunities in our region over the next decade.

## Opening Doors For Struggling Students

Remedial education opened the door to a college education for many students, first at a community or technical college and then at a university. Of the transfer students who graduated with a bachelor's degree:

- 59% took at least one remedial course
- 43% graduated in a STEM field
- 53% graduated in business

According to state employment projections, over 70% of job openings in the next 10 years will require training beyond high school. Employment in occupations that require an associate degree is expected to increase more rapidly than employment in any other education or training category.

For students seeking careers that require a bachelor's degree, Lower Columbia College's Regional University Center now offers a local option to complete studies in four degree fields right on the local campus. See page 14 for more information.

\* Study produced by the State Board for Community and Technical Colleges (SBCTC) in cooperation with all Washington public four-year colleges and universities.



LCC's personal approach allowed **Colin** to move successfully from a small high school to more demanding college life. After two years of preparation, he's realizing his dream of studying business and playing basketball at the university level.



**Kate** was home-schooled prior to attending LCC. Serving as a tutor and in student honor society also helped her excel in academics. This fall her writing was selected for publication in a prestigious national magazine, achieving a childhood dream to become an author.



**Molly** was homeless with only an eighth grade education before enrolling at LCC. She quickly earned her GED Certificate and is now a college student. She also made the honor roll and has her own apartment.



**Sean** went right to work after high school but soon wanted a more challenging career. Supportive faculty helped him gain confidence to master his courses and earn a \$30,000 annual scholarship to pursue advanced studies in environmental engineering.

## Course # Course Name

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

**ENGL& 102 COMPOSITION II****HA**

▽ 3655 A 5 MW 9:00a.m.-11:00a.m. MAN 205 HULL K  
 ▽ 3660 B 5 TTh 11:10a.m.-1:10p.m. MAN 125 AUSTIN K

Hybrid class; partly online.

▽ 3665 C 5 TTh 9:00a.m.-11:00a.m. AAR 124 RONISH C  
 ▽ 3670 D 5 TTh 9:00a.m.-11:00a.m. MAN 119 ROOSE J  
 ▽ 3675 DE 5 ARR ARR MCCARTHY D

Online class.

▽ 3680 DE1 5 ARR ARR MCCARTHY D

Online class.

3685 E 5 TTh 11:10a.m.-1:10p.m. MAN 234 FRANCKIEWICZ E  
 3690 F 5 MW 11:10a.m.-1:10p.m. AAR 123 MOIR D  
 ▽ 3700 H 5 MW 1:20p.m.-3:20p.m. MAN 203 HULL K  
 ▽ 3705 I 5 TTh 1:20p.m.-3:20p.m. MAN 203 RONISH C

▽ 3707 IS1 5 MWF 9:00a.m.-12:10p.m. MAN 234 DIGERLANDO N

Integrated Studies: Genes in Argument: From Food to Forensics. Students must also enroll in BIOL 150 IS1, item 1733, for a total of 10 credits.

**ENGL 104 REVIEW OF GRAMMAR AND PUNCTUATION**

▽ 3525 SP 1-2 ARR ARR LIB PERSONS C

▽ 3526 DE 1-2 ARR ARR PERSONS C

Online class.

**ENGL 110 INDUSTRIAL COMMUNICATION**

3530 A 5 DAILY 11:10a.m.-12:00p.m. DTV 214 ROOSE J

**ENGL 125 ARTS MAGAZINE PUBLICATION****H,P**

3535 A 2 F 2:40p.m.-4:40p.m. MAN 149 BAUER H

**ENGL 140 WOMEN WRITERS:DIV:IS****D,H**

▽ 3537 IS 5 MWF 9:00a.m.-12:00p.m. MAN 119 HERMAN J

Integrated Studies: Fearless Females and Femme Fatales - 10 credit course.

Students must enroll in both ENGL 140 IS, item 3537 - Intro to Women

Writers:DIV and HIST&amp; 215 IS, item 4542 - Women in U.S. History:DIV.

**ENGL 221 TEACHING/TUTOR WRITING I**

3536 A 3 F 12:00p.m.-2:30p.m. MAN 149 BAUER H

**ENGL 222 TEACHING/TUTOR WRITING II**

3538 A 3 F 12:00p.m.-2:30p.m. MAN 149 BAUER H

**ENGL 225 ARTS MAGAZINE PUBLICATION****H,P**

3540 A 2 F 2:40p.m.-4:40p.m. MAN 149 BAUER H

**ENGL 231 CREATIVE WRITING****H**

▽ 3545 A 5 TTh 9:00a.m.-11:00a.m. AAR 103 HULL K

**ENGL 232 CREATIVE WRITING****H**

▽ 3550 A 5 TTh 9:00a.m.-11:00a.m. AAR 103 HULL K

**ENGL 233 CREATIVE WRITING****H**

▽ 3555 A 5 TTh 9:00a.m.-11:00a.m. AAR 103 HULL K

**ENGL& 235 TECHNICAL WRITING****H**

▽ 3715 A 5 T 1:20p.m.-3:20p.m. LIB 130 ROOSE J

This course is intended for students enrolled in Science, Business, and Computer Science programs.

Hybrid class; partly online.

**ENGL& 244 AMERICAN LITERATURE I****H**

3720 A 5 MWF 1:20p.m.-2:45p.m. LIB 130 HERMAN J

**ENGL 255 SCIENCE FICTION LITERATURE AND FILM****H**

3560 A 5 TTh 9:00a.m.-11:00a.m. AAR106 HULL K

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

3435 N 5 MW 6:00p.m.-8:00p.m. MAN 207 STOWELL B

**ENGL 100 COLLEGE READY ENGLISH II**

3520 N 5 MW 6:00p.m.-8:00p.m. MAN 207 STOWELL B

**ENGL& 101 ENGLISH COMPOSITION I**

▽ 3650 N 5 T 6:00p.m.-8:15p.m. MAN 205 FRANCKIEWICZ E

Hybrid class; partly online.

**ENGL& 102 COMPOSITION II**

▽ 3710 N 5 Th 6:00p.m.-8:15p.m. MAN 205 WALKER N

Hybrid class; partly online.

**Environment Studies****ENVS 150 ENVIRONMENT AND SOCIETY:DIV****D**

▽ 1835 A 5 W 1:20p.m.-3:20p.m. MAN 233 LAPIERRE L

Hybrid class; partly online.

**ENVS 215 ENVIRONMENT ISSUES AND APPLICATIONS**

3767 A 5 MW 1:20p.m.-2:35p.m. RCA 220 GUDERYAHN L

MW 2:50p.m.-4:40p.m. SCI 107

Lab included. Lab Fee: \$12.60

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

▽ 4330 DE 3 ARR ARR NEW M

Online class.

**FISC 207 FIRE APPARATUS AND PUMPING EQUIPMENT**

4340 A 3 M 1:30p.m.-4:00p.m. DTV 202 NEW M

**FISC 210 BUILDING CONSTRUCTION FOR FIRE PROTECTION**

4345 A 3 W 1:30p.m.-4:00p.m. DTV 202 NEW M

**EVENING CLASSES****FISC 170 EMERGENCY MEDICAL TECHNICIAN I**

4335 N 8 TTh 6:00p.m.-10:00p.m. DTV 202 STAFF

Instructor permission required to enroll.

Lab Fee: \$600.00

**Thinking About Thinking  
(HUM 230)**

Explore the difference between natural thinking and critical thinking and learn to identify fallacies in politics, commercials and other mediated information. This online course can help you become a more creative and analytical thinker. Earn 5 credits to meet the Humanities distribution requirement toward a transfer degree.  
 Instructor: David McCarthy.

## Course # Course Name

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

## Geography

**GEOG 105 PHYSICAL GEOGRAPHY** **NSL**  
4360 A 5 MWF 9:00a.m.-9:50a.m. SCI 107 CORDERO D  
TTh 9:00a.m.-10:50a.m. SCI 107  
Lab included. Lab Fee: \$10.30

## Geology

**GEOG& 101 INTRODUCTION PHYSICAL GEOLOGY** **NSL**  
4365 A 5 MWF 10:00a.m.-10:50a.m. SCI 107 CORDERO D  
TTh 12:00p.m.-1:50p.m. SCI 107  
Lab included. Lab Fee: \$16.40  
4367 B 5 MWF 12:00p.m.-12:50p.m. SCI 107 CORDERO D  
TTh 2:00p.m.-3:50p.m. SCI 107  
Lab included. Lab Fee: \$16.40

**GEOG& 208 GEOLOGY OF THE PACIFIC NORTHWEST** **NSL**  
▽ 4370 DE 5 ARR ARR DAWES R  
Online class.  
Lab Fee: \$19.40

## Health

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

**HLTH 100 OCCUPATIONAL SAFETY AND HEALTH**  
4555 A 3 MW 11:10a.m.-12:25p.m. DTV 202 JOHNSON B  
▽ 4560 B 3 Th 1:30p.m.-2:45p.m. DTV 202 JOHNSON B  
Hybrid class; partly online.  
▽ 4565 C 3 Th 3:00p.m.-4:15p.m. DTV 202 JOHNSON B  
Hybrid class; partly online.  
4570 D 3 Sa 8:00a.m.-5:00p.m. DTV 202 JOHNSON B  
Classes will be held on Jan. 11, Jan. 18, Feb. 1, and Feb. 8, 2014.  
▽ 4575 HB 3 ARR ARR JOHNSON B  
The 1st Aid/CPR will be held on Saturday, January 18 from 8:00 a.m.-4:00 p.m. in DTV 202.  
Hybrid class; partly online.

**HLTH 105 FIRST AID/CPR/BB PATHOGENS**  
4587 A 1 F 1:00p.m.-2:50p.m. DTV 202 JOHNSON B  
Lab Fee: \$12.50  
Start Date: 02/14/14 End Date: 03/14/14

**HLTH 106 HEALTH TODAY** **SSA**  
▽ 4595 B 2 T 11:10a.m.-12:00p.m. VOC 116 ROSS E  
Hybrid class; partly online.  
▽ 4600 DE 2 ARR ARR ROSS E  
Students must log into canvas for class instructions and syllabus.  
Online class.

**HLTH 110 PERSONAL HEALTH**  
4590 A 2 TTh 10:00a.m.-10:50a.m. VOC 116 ROSS E

### EVENING CLASSES

**HLTH 100 OCCUPATIONAL SAFETY AND HEALTH**  
4585 N 3 W 6:00p.m.-8:30p.m. DTV 202 JOHNSON B  
Lab Fee: \$12.50

## 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 085</b>	<b>HEALTH</b>	<b>4765</b>
<b>HSC 086</b>	<b>INTRODUCTION TO LITERATURE</b>	<b>4770</b>
<b>HSC 087</b>	<b>LIT:CREATIVE NON-FICTION</b>	<b>4775</b>
<b>HSC 088</b>	<b>INTRODUCTION TO WRITING</b>	<b>4780</b>
<b>HSC 089</b>	<b>GRAMMAR AND PUNCTUATION</b>	<b>4785</b>
<b>HSC 090</b>	<b>NATURAL HAZARDS</b>	<b>4790</b>
<b>HSC 091</b>	<b>ENVIRONMENTAL SCIENCE</b>	<b>4795</b>
<b>HSC 092</b>	<b>US GOVERNMENT</b>	<b>4800</b>
<b>HSC 093</b>	<b>US HISTORY I</b>	<b>4805</b>
<b>HSC 094</b>	<b>US HISTORY II</b>	<b>4810</b>
<b>HSC 095</b>	<b>WASHINGTON STATE HISTORY</b>	<b>4815</b>
<b>HSC 096</b>	<b>CONTEMPORARY WORLD PROBLEMS</b>	<b>4820</b>
<b>HSC 097</b>	<b>CONSUMER FINANCE</b>	<b>4825</b>

## History

**HIST& 127 WORLD CIVILIZATIONS II:DIV** **D,SS**  
▽ 4515 A 5 TTh 9:00a.m.-11:00a.m. LIB 130 SHAH C

**HIST& 136 US HISTORY 1** **SS**  
▽ 4520 A 5 MWF 12:20p.m.-1:45p.m. MAN 234 DUGAW M  
▽ 4522 B 5 TTh 1:20p.m.-3:20p.m. PSC 104 STAFF  
▽ 4525 DE 5 ARR ARR HAMMER L  
Online class.

**HIST& 137 US HISTORY 2** **SS**  
▽ 4530 A 5 TTh 1:20p.m.-3:20p.m. VOC 116 KOTIN D  
▽ 4540 DE 5 ARR ARR HAMMER L  
Online class.

**HIST& 215 WOMEN IN U.S. HISTORY:DIV:IS** **D,SS**  
▽ 4542 IS 5 MWF 9:00a.m.-12:00p.m. MAN 119 SHAH C  
Integrated Studies: Fearless Females and Femme Fatales - 10 credit course.  
Students must enroll in both ENGL 140 IS, item 3537 - Intro to Women Writers:DIV and HIST& 215 IS, item 4542 - Women in U.S. History:DIV.

**HIST 254 HISTORY OF WASHINGTON AND THE PACIFIC NORTHWEST** **SS**  
▽ 4510 DE 5 ARR ARR AUSTIN K  
Online class.

### EVENING CLASSES

**HIST& 137 US HISTORY 2** **SS**  
▽ 4532 N 5 TTh 6:00p.m.-8:15p.m. MAN 234 KOTIN D

## Human Development

**HDEV 080 TRANSITIONS**  
4380 POP 2 TWTh 8:40a.m.-11:00a.m. HS SWIER K  
Start date: 01/21/14

**HDEV 101 CAREER PLANNING**  
4445 A 1-2 TTh 11:10a.m.-12:00p.m. MAN 148 HOUGE J  
Mandatory workshops throughout the quarter.  
4447 B 1-2 ARR ARR HOUGE J  
Start date: 02/10/14

## Course # Course Name

 Item# Sec. # Cred. # Days Time Place Instructor
**HDEV 117 LEADERSHIP AND STUDENT GOVERNMENT**
 4460 A 1-3 T 11:10a.m.-1:00p.m. STC AHMADIFARD R  
 Th 11:10a.m.-12:00p.m. STC AHMADIFARD R

Instructor permission required to enroll.

**HDEV 120 INDIVIDUAL AND GROUP RELATIONS**

4465 A 1-2 T 2:10p.m.-4:10p.m. DTV 233 MCNABB A

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

Instructor permission required to enroll.

**HDEV 127 STUDENT SUPPORT SERVICES**

4475 A 1 TTh 11:00a.m.-12:00p.m. PSC 102 CHAPAR J

Start date: 02/04/14. Instructor permission required to enroll.

**HDEV 128 TRANSFER PREPARATION**

4477 A 1 W 2:00p.m.-3:00p.m. MAN 149 WALKER N

Instructor permission required to enroll.

**HDEV 145 ANGER MANAGEMENT**

4485 A 2 F 11:10a.m.-12:50p.m. AAR 103 STAFF

**HDEV 217 LEADERSHIP AND STUDENT GOVERNMENT**
 4490 A 1-3 T 11:10a.m.-1:00p.m. STC AHMADIFARD R  
 Th 11:10a.m.-12:00p.m. STC AHMADIFARD R

Instructor permission required to enroll.

**HDEV 222 PEER MENTORING II**

4492 A 2 ARR 1:30p.m.-2:30p.m. ARR DAHLKE J



**HDEV 299 INDEPENDENT STUDY**

4505 A 1-10 ARR ARR STAFF

Instructor permission required to enroll.

**EVENING CLASSES****HDEV 115 STRESS MANAGEMENT**

4455 N 2 Th 7:00p.m.-8:40p.m. MAN 203 STAFF


**Humanities****HUM 104 ETHICS AND CULTURAL VALUES**
 4845 A 5 DAILY 10:00a.m.-10:50a.m. PSC 102 LEACH M
**HUM 106 COMMUNITY CONVERSATIONS**
 4850 A 1 Th 12:00p.m.-12:50p.m. MAN 119 PERSONS C

For dates and specific topics check www.lowercolumbia.edu


**HUM 107 HOW TO SEE A PLAY**

4855 A 1 ARR ARR CORRELL D

Students must contact the instructor by February 12, 2014 by email at dcorrell@lowercolumbia.edu or check website for instructor office hours in RCA 137.

**HUM& 117 HUMANITIES II**
 4865 A 5 DAILY 12:00p.m.-12:50p.m. RCA 220 LEACH M
**HUM 164 CULTURAL JOURNEYS:DIV**

4857 A 5 TTh 9:00a.m.-11:00a.m. MAN 145 SHAW D

**HUM 230 THINKING ABOUT THINKING**
 4860 DE 5 ARR ARR MCCARTHY D

Online class.

**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 Work Based Learning Manager, Dani Trimble, at 360.442.2622 or email dtrimble@lowercolumbia.edu

**ICP 101 PHARMACY STANDARDS & LAW**

4875 A 1 ARR ARR SCHURMAN J

**ICP 291 COOP EDUCATION SEMINAR**
 4890 A 2 MW 12:10p.m.-1:00p.m. AAR 124 YARBROUGH S  
 Hybrid class; partly online.
**ICP 288 COOPERATIVE WORK EXPERIENCE**

4880 A 1-17 ARR ARR STAFF

Lab Fee: \$13.10

ICP 288 students must attend a mandatory orientation either 3-4 p.m. or 5:30-6:30 p.m. on December 12, 2013. Orientation will be held in the Career Center, Admissions Building 120.

**ICP 299 INDEPENDENT STUDY**

4895 A 1-10 ARR ARR STAFF

4900 M 1-1 ARR ARR STAFF

**Learning Commons**

Learning Commons Self-Paced Learning modules are independent study courses the student completes with assistance from instructional aides and tutors.

Students must attend an orientation on one of the first two days of the quarter, January 6 and 7. Orientations will be held at 9 and 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: \$10.30

**COLL 094 NOTETAKING**

2855 SP 1 ARR ARR LIB PERSONS C

Lab Fee: \$10.30

 2856 DE 1 ARR ARR PERSONS C

Lab Fee: \$19.40

Online class.

**COLL 096 TEXTBOOK READING**

2870 SP 1 ARR ARR LIB PERSONS C

**ENGL 072 SENTENCE AND PARAGRAPH STRUCTURE**

3330 SP 1-2 ARR ARR LIB PERSONS C

**ENGL 073 THE COLLEGE ESSAY**

3335 SP 1-2 ARR ARR LIB PERSONS C

**ENGL 090 SPELLING IMPROVEMENT**

3340 SP 1 ARR ARR LIB PERSONS C



## Course # Course Name

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

**ENGL 095 VOCABULARY BUILDING**

▽ 3345 SP 1 ARR ARR LIB PERSONS C

**ENGL 099 SELF-PACED LEARNING LAB PRACTICUM**

3440 SP 1-3 ARR ARR LIB PERSONS C

**ENGL 104 REVIEW OF GRAMMAR AND PUNCTUATION**

▽ 3525 SP 1-2 ARR ARR LIB PERSONS C

▽ 3526 DE 1-2 ARR ARR PERSONS C

Online class.

**LIBR 094 INFORMATION LITERACY 1**

▽ 5055 SP 2 ARR ARR LIB PERSONS C

▽ 5056 DE 2 ARR ARR PERSONS C

Online class.

**LIBR 104 INFORMATION LITERACY 2**

▽ 5060 SP 2 ARR ARR LIB PERSONS C

▽ 5061 DE 2 ARR ARR PERSONS C

Online class.

**LIBR 204 INFORMATION LITERACY 3**

▽ 5065 SP 1-2 ARR ARR LIB PERSONS C

**SPAN 097 SPANISH-PRESENT TENSE VERBS**

6910 SP 2 ARR ARR LIB PERSONS C

**SPAN 098 SPANISH-NOUNS AND MODIFIERS**

6915 SP 1 ARR ARR LIB PERSONS C

## Library

Sections designated SP are self-paced classes. See Learning Commons—Self-Paced Learning for more information.

**LIBR 094 INFORMATION LITERACY 1**

▽ 5055 SP 2 ARR ARR LIB PERSONS C

▽ 5056 DE 2 ARR ARR PERSONS C

Online class.

**LIBR 104 INFORMATION LITERACY 2**

▽ 5060 SP 2 ARR ARR LIB PERSONS C

▽ 5061 DE 2 ARR ARR PERSONS C

Online class.

**LIBR 204 INFORMATION LITERACY 3**

▽ 5065 SP 1-2 ARR ARR LIB PERSONS C

## Machine Trades

There is a fee of \$10.90 per student per quarter for all MASP classes.

**MASP 107 MACHINING/RELATED OCCUPATIONS**

5085 A 2-6 DAILY 8:00a.m.-11:00a.m. VOC 114 TODD K

**MASP 111 MACHINE SHOP I**

5095 A 2-10 DAILY 8:00a.m.-11:00a.m. VOC 114 TODD K

**MASP 112 MACHINE SHOP II**

5110 A 2-10 DAILY 8:00a.m.-11:00a.m. VOC 114 TODD K  
Prerequisite: 10 credits of MASP 107 and/or MASP 111.

**MASP 113 MACHINE SHOP III**

5120 A 2-10 DAILY 8:00a.m.-11:00a.m. VOC 114 TODD K  
Prerequisite: 10 credits of MASP 112.

**MASP 114 MACHINE SHOP IV**

5130 A 2-10 DAILY 8:00a.m.-11:00a.m. VOC 114 TODD K  
Prerequisite: 10 credits of MASP 113.

**MASP 204 CNC MACHINING CENTER FUNDAMENTALS**

5140 MK 3 ARR ARR TODD K  
Please contact the instructor at 360.442.2745 or ktodd@lcc.ctc.edu for more information.

**MASP 205 CNC TURNING CENTER FUNDAMENTALS**

5145 MK 3 ARR ARR TODD K  
Please contact the instructor at 360.442.2745 or ktodd@lcc.ctc.edu for more information.

**MASP 221 CNC MILLING**

5150 A 2-10 DAILY 8:00a.m.-11:00a.m. VOC 114 TODD K  
Prerequisite: MASP 204.

**MASP 222 CNC TURNING**

5160 A 2-10 DAILY 8:00a.m.-11:00a.m. VOC 114 TODD K  
Prerequisite: MASP 205

**MASP 223 ADVANCED CNC PROCESSES**

5170 A 2-6 DAILY 8:00a.m.-11:00a.m. VOC 114 TODD K  
Prerequisite: MASP 221 or MASP 222.

### EVENING CLASSES

**MASP 107 MACHINING/RELATED OCCUPATIONS**

5090 N 2 W 6:00p.m.-9:00p.m. VOC 114 WAGNER J

**MASP 111 MACHINE SHOP I1**

5105 N 2 W 6:00p.m.-9:00p.m. VOC 114 WAGNER J

**MASP 112 MACHINE SHOP II**

5115 N 2 W 6:00p.m.-9:00p.m. VOC 114 WAGNER J  
Prerequisite: 10 credits of MASP 107 and/or MASP 111.

**MASP 113 MACHINE SHOP III**

5125 N 2 W 6:00p.m.-9:00p.m. VOC 114 WAGNER J  
Prerequisite: 10 credits of MASP 112.

**MASP 114 MACHINE SHOP IV**

5135 N 2 W 6:00p.m.-9:00p.m. VOC 114 WAGNER J  
Prerequisite: 10 credits of MASP 113.

**MASP 221 CNC MILLING**

5155 N 2 W 6:00p.m.-9:00p.m. VOC 114 WAGNER J  
Prerequisite: MASP 204.

**MASP 222 CNC TURNING**

5165 N 2 W 6:00p.m.-9:00p.m. VOC 114 WAGNER J  
Prerequisite: MASP 205

**MASP 223 ADVANCED CNC PROCESSES**

5175 N 2 W 6:00p.m.-9:00p.m. VOC 114 WAGNER J  
Prerequisite: MASP 221 or MASP 222.

## Manufacturing

**MFG 130 MATERIAL SCIENCE**

5740 A 5 TTh 1:00p.m.-3:00p.m. VOC 113 TODD K

## Course # Course Name

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

## 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, and 098/099 provided by Pearson Education. To resolve technical problems, please contact Technical Support for MyLabsPlus at 1.888.883.1299 or [helpdesk@lowercolumbia.mylabsplus.com](mailto: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

5195 A 1 DAILY 9:00a.m.-9:50a.m. AAR 102 TREVINO A  
Start Date: 01/06/14 End Date: 01/31/14

#### MATH 078 PRE-COLLEGE MATH I

5210 A 3 DAILY 9:00a.m.-9:50a.m. AAR 102 TREVINO A  
Start Date: 02/03/14 End Date: 03/20/14

#### MATH 078/079 PRE-COLLEGE MATH I — 5 Credits


5215 and 5216 B	DAILY	8:00a.m.-8:50a.m.	MAN 146	WOODWORTH J
5220 and 5221 C	DAILY	9:00a.m.-9:50a.m.	MAN 146	WOODWORTH J
5225 and 5226 D	DAILY	10:00a.m.-10:50a.m.	MAN 146	BYKER B
5230 and 5231 E	DAILY	10:00a.m.-10:50a.m.	AAR 102	TREVINO A
5235 and 5236 F	DAILY	10:00a.m.-10:50a.m.	DTV 233	BECK L
5240 and 5241 G	DAILY	11:10a.m.-12:00p.m.	AAR 102	TREVINO A
5245 and 5246 H	MWThF	12:10p.m.-1:10p.m.	MAN 147	BECK L

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

5350 and 5351 K DAILY 12:10p.m.-1:00p.m. AAR 104 BRIEN R

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

5355 and 5356 L	DAILY	8:00a.m.-8:50a.m.	AAR 106	STETZER J
5365 and 5366 M	DAILY	9:00a.m.-9:50a.m.	PSC 102	SKEIE M
5380 and 5381 R	MWF	9:00a.m.-10:25a.m.	MAN 145	RHODE C
5385 and 5386 S	DAILY	10:00a.m.-10:50a.m.	MAN 125	SKEIE M
5390 and 5391 T	DAILY	10:00a.m.-10:50a.m.	AAR 104	BRIEN R
5395 and 5396 U	DAILY	11:10a.m.-12:00p.m.	AAR 104	BRIEN R
5400 and 5401 V	DAILY	11:10a.m.-12:00p.m.	MAN 146	SKEIE M
5405 and 5406 W	MTWTh	2:40p.m.-3:40p.m.	AAR 104	STETZER J


 5375 and 5376 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](mailto:helpdesk@lowercolumbia.mylabsplus.com)

#### MATH 089/098 PRE-COLLEGE MATH II/III — 5 Credits

5415 and 5416 Y DAILY 10:00a.m.-10:50a.m. DTV 214 STETZER J

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

5430 and 5431 AA	DAILY	9:00a.m.-9:50a.m.	AAR 104	SKEIE T
5435 and 5436 BB	DAILY	10:00a.m.-10:50a.m.	VOC 112	MORRISON D
5440 and 5441 CC	MWF	11:10a.m.-12:35p.m.	SCI 108	MORRISON D
5450 and 5451 EE	MWF	1:20p.m.-2:45p.m.	VOC 112	SWEET R
5420 and 5421 Z	DAILY	8:00a.m.-8:50a.m.	AAR 104	SKEIE T

 5445 and 5446 DE ARR 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](mailto:helpdesk@lowercolumbia.mylabsplus.com)

### EVENING CLASSES

#### MATH 078/079 PRE-COLLEGE MATH I — 5 Credits

5260 and 5261 N MTWTh 5:15p.m.-6:15p.m. MAN 125 BECK L

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

5360 and 5361 N MW 5:15p.m.-7:15p.m. MAN 233 OLASON T

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

5505 and 5506 N TTh 5:15p.m.-7:15p.m. MAN 146 RHODE C

### College-Level Math

#### MATH 105 MATH FOR HEALTH SCIENCES


5565 A 5 MWF 11:10a.m.-12:35p.m. VOC 112 SWEET R

#### MATH 106 INDUSTRIAL MATHEMATICS

5570 A 5 DAILY 8:00a.m.-8:50a.m. VOC 111 BYKER B

#### MATH& 107 MATH IN SOCIETY

5660 A	5	MWF	9:00a.m.-10:25a.m.	AAR 106	LUCAS J
5585 B	5	MWF	1:20p.m.-2:45p.m.	MAN 145	LUCAS J

 5655 DE 5 ARR ARR BENJAMIN B  
Prerequisite: MATH 099 with a grade of C or better.  
Online class.

#### MATH 125 APPLIED COLLEGE ALGEBRA

5600 A 5 TThF 9:00a.m.-10:25a.m. MAN 233 DRAUS D

#### MATH& 132 MATH FOR ELEMENTARY EDUCATORS 2

5670 A 5 MWF 11:10a.m.-12:55p.m. AAR 106 LUCAS J

#### MATH& 141 PRECALCULUS I

5575 A	5	MWF	9:00a.m.-10:25a.m.	VOC 116	FLAKUS C
5580 B	5	MWF	11:10a.m.-12:35p.m.	MAN 145	RHODE C

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](mailto:helpdesk@lowercolumbia.mylabsplus.com)

#### MATH 142 PRE-CALCULUS II

5595 A 5 MWF 2:10p.m.-3:35p.m. AAR 124 BENJAMIN B

#### MATH& 151 CALCULUS I

5680 A 5 DAILY 11:10a.m.-12:00p.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](mailto:helpdesk@lowercolumbia.mylabsplus.com)

#### MATH& 152 CALCULUS II

5685 A 5 DAILY 8:00a.m.-8:50a.m. VOC 116 FLAKUS C

## Course # Course Name

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

**MATH 210 ELEMENTS OF STATISTICS**

5610 A 5 DAILY 8:00a.m.-8:50a.m. VOC 112 SWEE R  
 Online homework and electronic textbook provided by Pearson Education.  
 Any technical problems may be resolved by contacting Technical Support for MyLabsPlus at 1.888.883.1299 or helpdesk@lowercolumbia.mylabsplus.com

5615 B 5 TTh 1:20p.m.-3:20p.m. MAN 145 RHODE C  
 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

▽ 5620 DE 5 ARR ARR LUCAS J  
 Online class.

**MATH 215 DISCRETE STRUCTURES**

5622 A 5 DAILY 12:10p.m.-1:00p.m. MAN 233 DRAUS D

**MATH 240 DIFFERENTIAL EQUATIONS**

5625 A 5 MWF 11:10a.m.-12:35p.m. VOC 116 FLAKUS C

**EVENING CLASSES****MATH& 131 MATH FOR ELEMENTARY EDUCATORS 1**

5665 N 5 MW 6:15p.m.-8:45p.m. MAN 145 GRIBSKOV D  
 Prerequisite: MATH 099 with a grade of C or better, or college level placement.

**MATH& 148 BUSINESS CALCULUS**

5675 N 5 MW 5:30p.m.-7:30p.m. MAN 203 BENJAMIN B

**Math Achievement Center**

The Math Achievement Center, Main 127, is open Monday and Tuesday, 9 a.m.-6 p.m., and Wednesday and Thursday, 9 a.m.-2 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 [helpdesk@lowercolumbia.mylabsplus.com](mailto:helpdesk@lowercolumbia.mylabsplus.com)

**MATH 050 REVIEW MATH—WHOLE NUMBERS**

5200 P 1 DAILY ARR MAN 127 STAFF

**MATH 078 PRE-COLLEGE MATH I**

5265 P 3 DAILY ARR MAN 127 STAFF

**MATH 079 PRE-COLLEGE MATH I**

5335 P 2 DAILY ARR MAN 127 STAFF

**MATH 088 PRE-COLLEGE MATH II**

5370 P 3 DAILY ARR MAN 127 STAFF

**MATH 089 PRE-COLLEGE MATH II**

5425 P 2 DAILY ARR MAN 127 STAFF

**MATH 098 PRE-COLLEGE MATH III**

5510 P 3 DAILY ARR MAN 127 STAFF

**MATH 099 PRE-COLLEGE MATH III**

5560 P 2 DAILY ARR MAN 127 STAFF

**Medical Assisting****MEDA 101 MEDICAL VOCABULARY I**

▽ 5690 A 3 MTh 1:30p.m.-2:45p.m. AAR 126 ENGEL E

**MEDA 102 MEDICAL VOCABULARY II**

▽ 5695 A 3 MTh 3:15p.m.-4:30p.m. AAR 126 ENGEL E

Prerequisites: MEDA 101 or equivalent, or instructor permission.

**MEDA 122 LAW & ETHICS FOR MEDICAL OFFICE**

▽ 5700 A 2 W 1:00p.m.-2:20p.m. AAR 126 ENGEL E  
 Hybrid class; partly online.

**MEDA 162 EXAMINING ROOM PROCEDURES II**

▽ 5705 A 3 T 8:30a.m.-10:10a.m. SCI 108 SOLADEY V  
 Prerequisite: MEDA 120 or BIOL& 241 and 242, MEDA 161, and current enrollment in the Medical Assisting program. Students must also enroll in one of the lab sections, MEDA 162 LA or LB.  
 Lab Fee: \$30.00

**MEDA 162 EXAMINING ROOM PROCEDURES II—LAB**

5710 LA 0 Th 8:30a.m.-10:10p.m. SCI 108 SOLADEY V  
 5715 LB 0 Th 10:40a.m.-12:20p.m. SCI 108 SOLADEY V

**MEDA 205 CERTIFICATION REVIEW FOR THE MEDICAL ASSISTANT**

▽ 5717 DE 2 ARR ARR SOLADEY V  
 Online class.

**Music****MUSC 100 FUNDAMENTALS OF MUSIC**

5745 A 5 TTh 1:00p.m.-3:00p.m. RCA 220 H DAVIS R

**MUSC 102 THEORY AND MUSICIANSHIP**

5750 A 5 MWF 10:00a.m.-11:25a.m. RCA 218 H DAVIS R  
 Concurrent enrollment in in MUSC 112 required. Instructor permission required to enroll.

**MUSC& 105 MUSIC APPRECIATION**

5925 A 5 MWF 11:10a.m.-12:35p.m. RCA 102 H CHALLED G

**MUSC 107 GROUP PIANO INSTRUCTION**

5755 A 2 MW 1:20p.m.-2:35p.m. RCA 221 H HARBAUGH K  
 5760 B 2 TTh 11:00a.m.-12:15p.m. RCA 221 DAVIS R

**Medical Assistants: Prepare Online to Meet Mandatory Certification**

Certification is now required of Medical Assistants. LCC offers an online course, MEDA 205 Certification Review, to help candidates prepare for the exam.

Through the LCC Medical Assisting Program, students develop the knowledge and skills necessary for employment in clinical and administrative-support areas of medical clinics. The program prepares graduates to sit for the national Certified Medical Assistant exam.

For information about the Certification Review course, go to [lowercolumbia.edu/programs](http://lowercolumbia.edu/programs)



**MUSC 109 JAZZ APPRECIATION**

5762 DE 3 ARR ARR

INOUE R

Online class.

**MUSC 112 EAR TRAINING II**

5765 L 1 MW 11:25a.m.-11:50a.m. RCA 218

DAVIS R

**MUSC 121 BEGINNING GUITAR**

5770 A 2 MW 12:10p.m.-1:00p.m. RCA 221

HARBAUGH K

**MUSC 126 APPLIED MUSIC I**

1 credit AAR AAR

DAVIS R

5775 A	Piano	5795 E	Percussion
5780 B	Brass	5800 F	String
5785 C	Guitar	5805 G	Voice
5790 D	Organ	5810 H	Woodwind

Private music lessons are available in piano, brass, guitar, organ, percussion, string, voice, and woodwind. Student pays for private lessons in addition to tuition. Instructor permission required to enroll.

**MUSC 140 CHOIR**

5820 A 2 MWF 1:10p.m.-2:00p.m. RCA 102

**H,P**

CHALLED G

Lab Fee: \$6.90

**MUSC 144 SHOW CHOIR**

5825 A 2 MWF 2:10p.m.-3:00p.m. RCA 102

**H,P**

CHALLED G

Lab Fee: \$6.90

**MUSC 145 BEGINNING VOICE**

5830 A 2 MW 10:10a.m.-11:00a.m. RCA 102

**H**

CHALLED G

Lab Fee: \$6.90

**MUSC 147 AUDITION TECHNIQUES**

5835 A 2 MW 3:10p.m.-4:00p.m. RCA 102

CHALLED G

**MUSC 207 GROUP PIANO INSTRUCTION**

5850 A 2 MW 1:20p.m.-2:35p.m. RCA 221

HARBAUGH K

5855 B 2 TTh 11:00a.m.-12:15p.m. RCA 221

DAVIS R

**MUSC 209 THE BLUES CULTURE:DIV**

▽ 5860 DE 5 ARR ARR

**D,H**

STAFF

Online class.

**MUSC 222 OPERA WORKSHOP**

5870 A 2 MW 4:10p.m.-5:00p.m. RCA 102

CHALLED G

**MUSC 226 APPLIED MUSIC-PIANO**

1 credit AAR AAR

DAVIS R

5875 A	Piano	5895 E	Percussion
5880 B	Brass	5900 F	String
5885 C	Guitar	5905 G	Voice
5890 D	Organ	5910 H	Woodwind

Private music lessons are available in piano, brass, guitar, organ, percussion, string, voice, and woodwind. Student pays for private lessons in addition to tuition. Instructor permission required to enroll.

**EVENING CLASSES****MUSC 130 JAZZ ENSEMBLE:INSTRUMENT**

5815 N 2 M 7:00p.m.-8:40p.m. RCA 102

**H,P**

VALDEZ D

Lab Fee: \$6.90

**MUSC 150 SYMPHONIC BAND**

5840 N 2 Th 7:00p.m.-9:00p.m. RCA 102

**H,P**

DAVIS R

Lab Fee: \$6.90

**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 and emphasis in life-long learning. Nursing is a demanding and rewarding profession that requires strong communications 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 [www.lowercolumbia.edu/programs](http://www.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**

▽ 5935 N 8 ARR ARR AAR 129 GROH A

Please call Bev Ylen at 360.442.2860 for enrollment information.

Lab Fee: \$41.50

▽ 5940 NA 8 ARR 4:00p.m.-9:30p.m. AAR 128 LONDON C

Instructor permission required to enroll.

Lab Fee: \$41.50

**Nutrition****NUTR& 101 NUTRITION****NS**

▽ 6115 A 5 Th 11:10a.m.-1:00p.m. VOC 116 ROSS E

Hybrid class; partly online.

▽ 6120 B 5 M 12:10p.m.-2:00p.m. AAR 102 ROSS E

Hybrid class; partly online.

▽ 6125 DE 5 ARR ARR PECORE J

Online class.

▽ 6130 DE1 5 ARR ARR SPONSELLER B

Online class.

**Oceanography****OCEA& 101 INTRODUCTION TO OCEANOGRAPHY****NSL**

▽ 6135 DE 5 ARR ARR KHANDRO L

Online class.

Lab Fee: \$19.40

▽ 6140 DE1 5 ARR ARR KHANDRO L

Online class.

Lab Fee: \$19.40

**Philosophy****PHIL 260 PHILOSOPHY OF RELIGION****H**

6675 A 5 TTh 1:20p.m.-3:20p.m. MAN 147 KELLEY R



## Physical Education

A \$6.90 fee is charged for each Physical Education class.

### PHED 104 PILATES AND STRETCH

6540 A	1	TTh	9:00a.m.-9:50a.m.	RCA 139	DAVIS T
6545 B	1	TTh	12:00p.m.-12:50p.m.	RCA 139	JASURDA M

### PHED 105 PILATES AND YOGA-BEGINNING

6575 A	1	MW	10:00a.m.-10:50a.m.	RCA 139	ROSS E
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### PHED 110 CIRCUIT TRAINING

6550 A	2	MTWTh	11:00a.m.-11:50a.m.	STC	DAVIS T
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### PHED 121 BEGINNING FOIL FENCING

6555 A	1	Th	1:00p.m.-2:40p.m.	MAN 148	SWEE R
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### PHED 122 INTERMEDIATE FENCING

6560 A	1	Th	1:00p.m.-2:40p.m.	MAN 148	SWEE R
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### PHED 125 BOOT CAMP

6562 A	1	MW	9:00a.m.-9:50a.m.	RCA 139	ROSS E
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### PHED 127 ZUMBA I

6565 A	1-2	MWF	12:00p.m.-12:50p.m.	RCA 139	DAVIS T
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### PHED 128 WEIGHT TRAINING

6570 A	1-2	ARR	ARR	STC	MYERS L
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Students must meet at the following times during the quarter: Jan. 8th at 8 a.m. in the fitness center (STC), February 12th at 8 a.m. in the fitness center, and March. 12th at 8 a.m. in the fitness center.

### PHED 129 AQUA ZUMBA I

6580 A	1	TTh	11:55a.m.-12:40p.m.	OMM	DAVIS T
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Class held at Mark Morris High School pool.

### PHED 145 SOFTBALL COACHING THEORY

6585 A	3	MTh	2:00p.m.-2:50p.m.	OC	FULLER T
		W	2:00p.m.-2:50p.m.	DTV 233	FULLER T

### PHED 152 PERSONALIZED FITNESS

▽ 6590 DE	1-2	ARR	ARR		ROSS E
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Students must log into canvas for class instructions and syllabus.  
Online class.

### PHED 164 APPLIED BASKETBALL MEN

6595 A	2	MTWTh	3:00p.m.-4:00p.m.	OMM	ROFFLER J
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### PHED 165 APPLIED BASKETBALL WOMEN

6600 A	2	MTWTh	2:00p.m.-3:00p.m.	OMM	MEADORS C
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### PHED 190 BASEBALL COACHING THEORY

6605 A	3	MWTh	2:10p.m.-3:00p.m.	VOC 106	SMITH E
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### PHED 204 PILATES AND STRETCH

6610 A	1	TTh	9:00a.m.-9:50a.m.	RCA 139	DAVIS T
6615 B	1	TTh	12:00p.m.-12:50p.m.	RCA 139	JASURDA M

### PHED 205 PILATES AND YOGA-INTERMEDIATE

6635 A	1	MW	10:00a.m.-10:50a.m.	RCA 139	ROSS E
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### PHED 210 CIRCUIT TRAINING

6620 A	2	MTWTh	11:00a.m.-11:50a.m.	STC	DAVIS T
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### PHED 227 ZUMBA II

6625 A	1-2	MWF	12:00p.m.-12:50p.m.	RCA 139	DAVIS T
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### PHED 228 WEIGHT TRAINING

6630 A	1-2	ARR	ARR	STC	MYERS L
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Students must meet at the following times during the quarter: Jan. 8th at 8 a.m. in the fitness center (STC), February 12th at 8 a.m. in the fitness center, and March. 12th at 8 a.m. in the fitness center.

### PHED 229 AQUA ZUMBA II

6640 A	1	TTh	11:55a.m.-12:40p.m.	OMM	DAVIS T
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Class held at Mark Morris High School pool.

### PHED 252 PERSONALIZED FITNESS

▽ 6645 DE	2	ARR	ARR		ROSS E
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Students must log into canvas for class instructions and syllabus.  
Online class.

### PHED 264 APPLIED BASKETBALL MEN

6650 A	2	MTWTh	3:00p.m.-4:00p.m.	OMM	ROFFLER J
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### PHED 265 APPLIED BASKETBALL WOMEN

6655 A	2	MTWTh	2:00p.m.-3:00p.m.	OMM	MEADORS C
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## Physics

### PHYS& 115 GENERAL PHYSICS II

NSL

▽ 6680 A	5	MWThF	8:00a.m.-8:50a.m.	SCI 102	LIVINS P
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Course is to be taken with a lab section, PHYS& 115 LA, LB, or LC.

Lab Fee: \$21.70

### PHYS& 115 GENERAL PHYSICS II—LAB

6685 LA	0	T	9:00a.m.-11:00a.m.	SCI 102	LIVINS P
6690 LB	0	T	11:00a.m.-1:00p.m.	SCI 102	LIVINS P
6695 LC	0	ARR	ARR	SCI 102	LIVINS P

Contact instructor at [plivins@lowercolumbia.edu](mailto:plivins@lowercolumbia.edu) for more information regarding arranged lab.

### PHYS& 222 ENGINEERING PHYSICS II

NSL

▽ 6700 A	5	MWThF	10:00a.m.-10:50a.m.	SCI 102	LIVINS P
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Course is to be taken with a lab section, PHYS& 222 LA, LB, or LC.

Lab Fee: \$21.70

### PHYS& 222 ENGINEERING PHYSICS II—LAB

6705 LA	0	T	1:00p.m.-3:00p.m.	SCI 102	LIVINS P
6710 LB	0	Th	1:00p.m.-3:00p.m.	SCI 102	LIVINS P
6715 LC	0	ARR	ARR	SCI 102	LIVINS P

Contact instructor at [plivins@lowercolumbia.edu](mailto:plivins@lowercolumbia.edu) for more information regarding arranged lab.

## Political Science

### POLS& 101 INTRODUCTION TO POLITICAL SCIENCE

SS

6740 IT	5	MTWTh	9:00a.m.-11:30a.m.	MAN 147	BENSON D
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Integrated Studies: Power and Politics: What Controls the Good Life. Students must also enroll in ENGL 098 IT, item 3405, or ENGL 100 IT, item 3490, or ENGL& 101 IT, item 3635, for a total of 10 credits.

### POLS& 202 AMERICAN GOVERNMENT

SS

6745 A	5	MW	1:00p.m.-3:00p.m.	MAN 146	BENSON D
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▽ 6750 DE	5	ARR	ARR		CASCADDAN D
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Online class.

### POLS& 203 INTERNATIONAL RELATIONS

SS

6755 A	5	TTh	1:00p.m.-3:00p.m.	MAN 146	BENSON D
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## Process Manufacturing

### PMFG 201 ELECTRICAL CONTROL EQUIPMENT

6730 A 3 TTh 3:00p.m.-4:15p.m. VOC 118 JOINER T

#### EVENING CLASSES

### PMFG 110 INDUSTRIAL MAINTENANCE FUNDAMENTALS

6720 N 5 TTh 5:30p.m.-7:30p.m. VOC 112 JOINER T

### PMFG 152 PROCESS CONTROL SYSTEMS

6725 N 5 MW 5:15p.m.-7:15p.m. VOC 151 JOINER T

## Psychology

### PSYC& 100 GENERAL PSYCHOLOGY

SS

▽ 6770 A 5 MW 9:00a.m.-11:00a.m. MAN 233 WEAVER N

▽ 6775 B 5 MW 1:20p.m.-3:20p.m. MAN 119 STRAYER M

▽ 6780 C 5 TTh 9:00a.m.-11:00a.m. MAN 234 WEAVER N

▽ 6785 DE 5 ARR ARR TUCKER J

Online class.

6790 E 5 MW 2:10p.m.-4:10p.m. MAN 234 SUEK J

6797 G 5 MWF 2:10p.m.-3:35p.m. AAR 102 LISTY A

### PSYC& 200 LIFESPAN PSYCHOLOGY

SS

▽ 6805 A 5 TTh 9:00a.m.-11:00a.m. MAN 235 STRAYER M

6812 C 5 TTh 11:10a.m.-1:10p.m. PSC 104 HAYES B

▽ 6815 DE 5 ARR ARR WORLEY M

Online class.

### PSYC& 220 ABNORMAL PSYCHOLOGY

SS

▽ 6825 A 5 MW 9:00a.m.-11:00a.m. MAN 235 STRAYER M

#### EVENING CLASSES

### PSYC& 100 GENERAL PSYCHOLOGY

SS

▽ 6800 N 5 T 6:00p.m.-8:00p.m. MAN 233 TUCKER J

Hybrid class; partly online.

### PSYC& 200 LIFESPAN PSYCHOLOGY

SS

▽ 6820 N 5 T 6:00p.m.-8:00p.m. RCA 220 HAYES B

Hybrid class; partly online.

## Sociology

### SOC& 101 INTRODUCTION TO SOCIOLOGY:DIV

D,SS

▽ 6875 A 5 TTh 11:10a.m.-1:10p.m. LIB 130 WEAVER N

6880 B 5 MWF 2:25p.m.-3:50p.m. PSC 104 GATES K

6885 C 5 TTh 1:20p.m.-3:20p.m. MAN 234 SUEK J

▽ 6890 DE 5 ARR ARR TATE J

Online class.

▽ 6895 DE1 5 ARR ARR TATE J

Online class.

6900 E 5 MW 1:00p.m.-3:00p.m. MAN 235 SHAW D

#### EVENING CLASSES

### SOC& 101 INTRODUCTION TO SOCIOLOGY:DIV

D,SS

6905 N 5 MW 6:00p.m.-8:00p.m. MAN 119 GATES K

## 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—Self-Paced Learning for more information.

All sections of SPAN& 121, 122 and 123 satisfy the Diversity requirement.

### SPAN 097 SPANISH-PRESENT TENSE VERBS

6910 SP 2 ARR ARR LIB PERSONS C

### SPAN 098 SPANISH-NOUNS AND MODIFIERS

6915 SP 1 ARR ARR LIB PERSONS C

### SPAN& 121 SPANISH I:DIV

D,H

6930 A 5 DAILY 8:00a.m.-8:50a.m. MAN 125 EMERSON A

6935 B 5 DAILY 9:00a.m.-9:50a.m. MAN 125 EMERSON A

6945 DE 5 ARR ARR EMERSON A

### SPAN& 122 SPANISH II:DIV

D,H

6950 A 5 MWF 11:10a.m.-12:35p.m. MAN 125 EMERSON A

6955 DE 5 ARR ARR EMERSON A

### SPAN& 123 SPANISH III:DIV

D,H

6960 DE 5 ARR ARR EMERSON A

### SPAN& 221 SPANISH IV

H

6965 DE 5 ARR ARR EMERSON A

### SPAN& 222 SPANISH V

H

6970 DE 5 ARR ARR EMERSON A

### SPAN& 223 SPANISH VI

H

6975 DE 5 ARR ARR EMERSON A

## Speech

### SPCH 109 INTERCULTURAL COMMUNICATION:DIV

D,H

6980 A 5 TTh 9:00a.m.-11:00a.m. RCA 218 SCHABOT D

### SPCH 110 INTRODUCTION TO PUBLIC SPEAKING

H

6985 A 5 TTh 1:20p.m.-3:20p.m. DTV 215 NEILL S

▽ 6990 B 5 M 3:30p.m.-5:30p.m. MAN 147 PELLHAM P

Hybrid class; partly online.

6995 C 5 TTh 10:00a.m.-12:00p.m. MAN 203 NEILL S

7000 D 5 MW 11:10a.m.-1:10p.m. MAN 203 SCHABOT D

▽ 7005 DE 5 ARR ARR MOORE LD

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

H

7015 A 5 MW 1:20p.m.-3:20p.m. MAN 125 NEILL S

7020 B 5 TTh 1:20p.m.-3:20p.m. AAR 124 SCHULTZ L

### SPCH 127 COMPETITIVE PUBLIC SPEAKING

7030 A 2 MW 3:30p.m.-5:30p.m. RCA 141 SCHABOT D

### SPCH 137 INTERCOLLEGIATE DEBATE

7035 A 2 MW 3:30p.m.-5:30p.m. RCA 141 SCHABOT D

**SPCH 227 COMPETITIVE PUBLIC SPEAKING**  
7040 A 2 MW 3:30p.m.-5:30p.m. RCA 141 SCHABOT D

**SPCH 237 INTERCOLLEGIATE DEBATE**  
7045 A 2 MW 3:30p.m.-5:30p.m. RCA 141 SCHABOT D

**SPCH 290 FORENSIC MANAGEMENT AND ORGANIZATION**  
7060 A 1 MW 3:30p.m.-5:30p.m. RCA 141 SCHABOT D

### EVENING CLASSES

**SPCH 110 INTRODUCTION TO PUBLIC SPEAKING** **H**  
▽ 7010 N 5 W 6:00p.m.-8:15p.m. RCA 220 MOORE LD  
Hybrid class; partly online.

**SPCH 114 SMALL GROUP COMMUNICATION** **H**  
▽ 7025 N 5 M 6:00p.m.-8:15p.m. RCA 220 PELLHAM P  
Hybrid class; partly online.

## Technology

**TECH 100 ADVANCED PRINCIPLES OF TECHNOLOGY** **NSA**  
7080 A 5 MW 1:20p.m.-4:00p.m. VOC 115 BYMAN S

## Welding Technology

A \$10.90 per-credit fee to a maximum of \$109 is charged for each welding class.

**WELD 105 RELATED WELDING I**  
7235 A 1-6 DAILY 8:00a.m.-11:00a.m. VOC 161 BYRUM/EVALD  
7240 B 1-6 MWF 8:00a.m.-11:00a.m. VOC 161 EVALD/BYRUM  
7245 C 1-6 MWF 1:00p.m.-4:00p.m. VOC 161 BYRUM/EVALD

**WELD 151 INTRODUCTION TO OXY ACETYLENE**  
7270 A 6 DAILY 8:00a.m.-11:00a.m. VOC 161 BYRUM/EVALD  
Only welding majors may enroll for this class.  
7275 B 1-6 DAILY 8:00a.m.-11:00a.m. VOC 161 EVALD/BYRUM  
7280 C 1-6 MWF 1:00p.m.-4:00p.m. VOC 161 EVALD/BYRUM

**WELD 152 INTRODUCTION TO ARC WELDING**  
7300 A 10 DAILY 8:00a.m.-11:00a.m. VOC 161 BYRUM/EVALD  
Only welding majors may enroll for this class.  
7305 B 1-8 MWThF 8:00a.m.-11:00a.m. VOC 161 BYRUM/EVALD  
7310 C 1-6 MWF 1:00p.m.-4:00p.m. VOC 161 BYRUM/EVALD

**WELD 221 WIRE MACHINE**  
7335 A 1-10 DAILY 8:00a.m.-11:00a.m. VOC 161 BYRUM/EVALD  
7340 B 1-8 DAILY 8:00a.m.-11:00a.m. VOC 161 EVALD/BYRUM  
7345 C 1-6 MWF 1:00p.m.-4:00p.m. VOC 161 EVALD/BYRUM

**WELD 222 ADVANCED WIRE MACHINE**  
7365 A 6 MWF 8:00a.m.-11:00a.m. VOC 161 EVALD/BYRUM  
7370 B 1-6 MWF 8:00a.m.-11:00a.m. VOC 161 EVALD/BYRUM  
7375 C 1-6 MWF 1:00p.m.-4:00p.m. VOC 161 EVALD/BYRUM

**WELD 254 ARC WELDING**  
7395 A 10 DAILY 8:00a.m.-11:00a.m. VOC 161 BYRUM/EVALD  
Only welding majors may enroll for this class.  
7400 B 1-8 DAILY 8:00a.m.-11:00a.m. VOC 161 BYRUM/EVALD  
7410 C 1-6 MWF 1:00p.m.-4:00p.m. VOC 161 BYRUM/EVALD

**WELD 255 ADVANCED WELDING PROCESSES**  
7430 A 10 DAILY 8:00a.m.-11:00a.m. VOC 161 EVALD/BYRUM  
Only welding majors may enroll for this class.  
7435 B 1-8 MWThF 8:00a.m.-11:00a.m. VOC 161 EVALD/BYRUM  
7440 C 1-6 MWF 1:00p.m.-4:00p.m. VOC 161 EVALD/BYRUM

**WELD 256 ADVANCED WELDING APPLICATION**  
7460 A 10 DAILY 8:00a.m.-11:00a.m. VOC 161 BYRUM/EVALD  
Only welding majors may enroll for this class.  
7465 B 1-6 MWThF 8:00a.m.-11:00a.m. VOC 161 BYRUM/EVALD  
7470 C 1-6 MWF 1:00p.m.-4:00p.m. VOC 161 BYRUM/EVALD

**WELD 299 INDEPENDENT STUDY**  
7500 A 1-10 ARR ARR VOC 161 WELD FACULTY  
Instructor permission required to enroll.

### EVENING CLASSES

**WELD 105 RELATED WELDING I**  
7255 NA 2 Th 7:00p.m.-10:00p.m. VOC 161 BUSLEY R  
7260 NB 2 T 7:00p.m.-10:00p.m. VOC 161 BUSLEY R  
7265 NC 2 W 6:00p.m.-9:00p.m. VOC 161 BUSLEY R

**WELD 151 INTRODUCTION TO OXY ACETYLENE**  
7285 NA 2 Th 7:00p.m.-10:00p.m. VOC 161 BUSLEY R  
7290 NB 2 T 7:00p.m.-10:00p.m. VOC 161 BUSLEY R  
7295 NC 2 W 6:00p.m.-9:00p.m. VOC 161 BUSLEY R

**WELD 152 INTRODUCTION TO ARC WELDING**  
7315 NA 2 Th 7:00p.m.-10:00p.m. VOC 161 BUSLEY R  
7320 NB 2 T 7:00p.m.-10:00p.m. VOC 161 BUSLEY R  
7325 NC 2 W 6:00p.m.-9:00p.m. VOC 161 BUSLEY R

**WELD 158 WELD THEORY & FABRICATION**  
7330 N 5 TTh 4:30p.m.-7:00p.m. VOC 161 EVALD A

**WELD 221 WIRE MACHINE**  
7350 NA 2 Th 7:00p.m.-10:00p.m. VOC 161 BUSLEY R  
7355 NB 2 T 7:00p.m.-10:00p.m. VOC 161 BUSLEY R  
7360 NC 2 W 6:00p.m.-9:00p.m. VOC 161 BUSLEY R

Students enrolling for WELD 221 in the evening must enroll for section NA, NB, and NC. (6 credits only)

**WELD 222 ADVANCED WIRE MACHINE**  
7380 NA 2 Th 7:00p.m.-10:00p.m. VOC 161 BUSLEY R  
7385 NB 2 T 7:00p.m.-10:00p.m. VOC 161 BUSLEY R  
7390 NC 2 W 6:00p.m.-9:00p.m. VOC 161 BUSLEY R

Students enrolling for WELD 222 in the evening must enroll for section NA, NB, and NC. (6 credits only)

**WELD 254 ARC WELDING**  
7415 NA 2 Th 7:00p.m.-10:00p.m. VOC 161 BUSLEY R  
7420 NB 2 T 7:00p.m.-10:00p.m. VOC 161 BUSLEY R  
7425 NC 2 W 6:00p.m.-9:00p.m. VOC 161 BUSLEY R

**WELD 255 ADVANCED WELDING PROCESSES**  
7445 NA 2 Th 7:00p.m.-10:00p.m. VOC 161 BUSLEY R  
7450 NB 2 T 7:00p.m.-10:00p.m. VOC 161 BUSLEY R  
7455 NC 2 W 6:00p.m.-9:00p.m. VOC 161 BUSLEY R

**WELD 256 ADVANCED WELDING APPLICATION**  
7475 NA 2 Th 7:00p.m.-10:00p.m. VOC 161 BUSLEY R  
7480 NB 2 T 7:00p.m.-10:00p.m. VOC 161 BUSLEY R  
7485 NC 2 W 6:00p.m.-9:00p.m. VOC 161 BUSLEY R

## 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 9:00 a.m.-10:55 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 1:00 p.m.-3:20 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.-10:20 p.m.  
 10:30 a.m.-11:20 a.m.  
 Mon-Thurs 5:30 p.m.-9:10 p.m.

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

Tues-Thurs 9:00 a.m.-10:55 a.m.

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

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

### Woodland ESL Classes

#### Woodland Middle School

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

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

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

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

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

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

LCC began offering the HS21+ program in Summer 2013. Thirty-two students earned high school credits and 12 completed studies to graduate with their high school diploma. Even better, 10 of the graduates began college studies this fall.

*Randy Bailey and Meghan Griffith proudly display their high school diplomas earned through LCC's new HS21+ program which began Summer Quarter 2013. Like many adults returning to school, they overcame learning obstacles by working together and encouraging each other to reach this milestone. Both have continued their studies in college programs at LCC this fall.*





# CORPORATE & CONTINUING EDUCATION

*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.

Companies throughout Washington and Oregon require applicants to take the WorkKeys tests for employment. Did you know you can prepare for these tests by participating in internet delivered training using KeyTrain? KeyTrain offers pre-tests, learning modules and quizzes to prepare you for the WorkKeys tests. You can practice your Applied Math, Reading for Information or Locating Information skills in order to take the tests measured on the National Career Readiness Certificate or you can take the tests required by many area manufacturers, county agencies or local school districts. Cost is \$20 per topic or enroll for the entire KeyTrain WorkKeys series for \$75. Call 360.442.2600 for details.



## Kepner Tregoe Problem Solving and Decision Making Training

The Kepner-Tregoe Problem Solving and Decision Making process is actually four distinct processes, each designed to address a specific type of situation:

- Situation Appraisal is used to separate, clarify, and prioritize concerns. When confusion is mounting, the correct approach is unclear, or priorities overwhelm plans, Situation Appraisal is the tool of choice.
- Problem Analysis is used to find the cause of a positive or negative deviation. When people, machinery, systems, or processes are not performing as expected, Problem Analysis points to the relevant information and leads the way to the root cause.
- Decision Analysis is used for making a choice. When the path ahead is uncertain, when there are too many choices, or the risk of making the wrong choice is high, Decision Analysis clarifies the purpose and balances risks and benefits to arrive at a solid and supported choice.
- Potential Problem Analysis is used to protect actions or plans. When a project simply must go well, risk is high, or myriad things could go wrong, Potential Problem Analysis reveals the driving factors and identifies ways to lower risk.

Training sessions will take place on February 20 and 21 and March 13 and 14 from 8 a.m.-5 p.m. in the Heritage Room (located in the Administration Building). Training price: \$995. Contact Mary Harris, 360.442.2602 for more information.

## Project Management Series

Continuing Education is partnering with Advisicon, a project management training and consulting firm located in Vancouver, Washington, to bring you this 5-part Project Management Training Series.

Learn how to manage projects from initiation to close-out. This practical course teaches participants how to successfully initiate, plan, execute, control and close out projects applying industry best practices. Participants will also learn how to gather and manage project requirements successfully. Learn to elicit, characterize, document, analyze, validate, verify and manage requirements. In Microsoft Project, participants will learn to manage and master all aspects of Microsoft Project, from simple task management to Program and Portfolio management. Students will learn how to address resource demand and capacity, as well as over and under allocations.

Training sessions are:

- January 9: Practical Project Management, Part 1
- January 16: Practical Project Management, Part 2
- January 23: Mastering Requirements
- January 30: Microsoft Project, Part 1
- February 6: Microsoft Project, Part 2

Training sessions will meet from 8:30a-3:30p in the Don Tally building, Room 201 and the Applied Arts building, Room 105.

Please register for Item # 2555. Series Price: \$975

For more information or to register, please call Leeann Curry at 360.442.2840 or Lynell Amundson at 360.442.2601.

## 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.

### Personal Fitness Trainer-ONLINE

This program will give you the knowledge, skills and abilities to implement a unique, medically based fitness model for your clients. Learn the skills to become a confident, qualified personal trainer. You'll learn how to apply your client's health history, goals, and abilities into a model that will allow each client to progress through different training levels and phases. The American College of Sports Medicine has approved this curriculum for continuing education credits. 250 hours. \$2295

Register at [www.gatlineducation.com/lccbic](http://www.gatlineducation.com/lccbic)

### Video Game Design and Development-ONLINE

Using a comprehensive and analytical approach to game engine architectures, this program offers you the opportunity to learn how to effectively implement game ideas. You will cover five major areas of study, programming languages, mathematical skills, 3D graphics pipeline programming, real-time game engine architectures, and artificial intelligence algorithms. Developing and managing the complex environments for games and related applications can be challenging, but with the right training, the challenge can be accepted. 500 hours. \$1995

Register at [www.gatlineducation.com/lccbic](http://www.gatlineducation.com/lccbic)

### 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 or online at [lowercolumbia.edu/food\\_handler](http://lowercolumbia.edu/food_handler). 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 360.442.2353. 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

**Next class: Tuesday, March 25, 2014, 8 a.m.-4 p.m.** For more information or to register, please contact Mary Harris at 360.442.2602 or [mharris@lowercolumbia.edu](mailto:mharris@lowercolumbia.edu).

## Continuing Education for Electricians

Lower Columbia College offers DOL approved electric courses taught by Wayne Wagner. Please contact Mary Harris at mharris@lowercolumbia.edu or 360.442.2602 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.

## Understanding Diabetes—NEW CLASS

In this program we will define diabetes, and discuss the causes, signs, and treatment of the condition. Learn the process of blood sugar monitoring, readings, and medications. Discuss ketone testing, the latest research that links diabetes with other chronic conditions, and explore self-care. In the area of prevention we will discuss diet, exercise, foot care, travel tips, and more. Join us as we seek to refocus our attention on this serious and manageable condition. 5 hours. (Shanti Potts).

M 1/27 8 a.m.-1:30 p.m.

## Nutrition – What's on Your Plate?

### Special Emphasis on Diabetes—NEW CLASS

This course will focus on meal planning as it impacts the diet of someone living with diabetes. Discussion will include general guidelines, common questions, using exchange lists, carb counting, understanding labels, charting a meal plan, and more. 2 hours (Shanti Potts).

M 1/27 2-4 p.m.

## Personality Disorders and Psychopaths

This class will define and clarify the traits and behaviors of two broad categories of troubled and troubling human behavior; the personality disorders and the psychopaths. Attention will be paid to developing and maintaining interpersonal boundaries and other care-related issues. 5 hours. (Ron Schauer).

T 2/11 8 a.m.-1:30 p.m.

## Understanding Dementia from the Inside-Out

In this interactive class we will explore the signs, symptoms, types and stages of dementia including Alzheimer's, consider the implications of having the condition and review changes a care provider may experience. We will discuss the ethical and moral aspects of providing care using best care practices and learn from each other. We will also briefly explore self-care for the care provider, dual diagnosis and its implications, and the management of challenging behaviors. 5 hours. (Shanti Potts)

W 3/5 8 a.m.-1:30 p.m.

## Nutrition – Special Diets -

### Emphasis on Gluten—NEW CLASS

In this program we will focus on conditions relating to gluten sensitivity including Celiac Disease and wheat allergy. We will explore normal symptoms as well as unexpected symptoms, causes, and sources. We will also discuss gluten free testing, tolerance levels, and diets. 2 hours (Shanti Potts)

W 3/5 2-4 p.m.

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

## Nurse Delegation

A self-study training course for Nursing Assistants who will accept and perform tasks delegated by a Registered Nurse (RN).

## 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. Contact Mary Harris, 360.442.2602, for additional information.

# Computers & Technology

## MEET THE INSTRUCTOR!

Christa Harden started her career in the creative arts as a commercial photographer in Seattle and worked with notable photographers such as, Jennifer Loomis and The Plane Picture Company. After pursuing a Bachelor's Degree from the University of Washington she decided to move to Los Angeles and make an attempt at the fashion photography industry.



Through a series of photo editing and web design jobs she ended up as an Art Consultant and found her true passion for graphic design. Not long after moving to Washington she met her husband and design partner Mikalae Harden. Together they have been working at Battle Ground Printing for the last three years and continue to improve their skills in all areas of design, including photography and digital manipulation. They approach this Photoshop class from the perspective of professionals who have a daily use for the program, and aim to help students make the most of the software.

## Photoshop Two

This course is perfect for those who have already completed Introduction to Photoshop, or have experience working with Photoshop programs. 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 while learning how to use layer masks, filters and other actions. MAN 118 (Christa Harden) \$65

CLCE 041 A 2395 F 1/24-3/14 7-9 p.m.



**Microsoft Excel—NEW CLASS**

This course provides thorough introductory training of Excel 2010. This course is ideal for computer users who want to become well versed in Excel for personal use or for business application. Topics introduced include, but are not limited to, Ribbon interface, entering and editing data, selecting cells and ranges, printing worksheets, creating formulas and functions, formatting cell content and more. Basic computer skills are required to enroll in this course. AAR 108 (Randy Stalding) \$59

**Beginning Excel**

CLCE 006 A	2381	MWF	1/13-1/17	5-7 p.m.
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**Intermediate Excel**

CLCE 006 B	2382	MWF	1/27-1/31	5-7 p.m.
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**Advanced Excel**

CLCE 006 C	2383	MWF	2/10-2/14	5-7 p.m.
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**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	2365	F	1/10-1/31	3:30-5:30 p.m.
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**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 A	2370	F	2/7-2/28	3:30-5:30 p.m.
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**Internet and More**

Learn how to search the Web, use Face book, 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 004 A	2375	F	3/7-3/28	3:30-5:30 p.m.
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**Keyboarding-ONLINE**

Learn how to touch-type or improve your existing typing skills using Keyboarding Pro 5, a typing tutorial designed for personal computers, to learn how to touch-type. As you improve your typing speed and accuracy, you'll use the word processor's timed writing feature to continually hone your skills. You'll even learn posture tips to minimize fatigue and help prevent carpal tunnel syndrome. \$99

Register at [www.ed2go.com/lccbic](http://www.ed2go.com/lccbic)

**Health & Wellness****MEET THE INSTRUCTOR!**

Jayne Poole started in the LCC Pilates program back in 2007, loving the exercise and how it provided good therapy for her mind and body; she decided to pursue her Pilate's certification in November 2012. When Jayne is not at LCC teaching Pilates, she stays plenty busy with her three boys and enjoys activities such as running, biking and reading! Jayne invites you to give Pilates a try this quarter, all ages can benefit, improving balance, flexibility and strength!

**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	2495	MW	1/6-2/10	5:45-6:45 p.m.
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**Session Two**

CLCE 034 B	2500	MW	2/19-3/24	5:45-6:45 p.m.
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**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) \$69

CLCE 035 A	2505	MWF	1/6-3/26	11:50 a.m.-12:35 p.m.
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**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

CLCE 031 A	2485	MW	1/13-3/12	9:05-10 a.m.
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**Balance Ball Fitness-NEW**

Balance balls are more than just fun to sit and bounce on, they're a great way to improve strength, cardio endurance and balance. Come and try this beginning balance ball class, a great way to learn and tackle basic moves. Challenge your muscles by adding a series of weight strengthening exercises with hand weights while sitting on the ball. Wear comfortable clothing; bring a yoga mat, abdominal fitness ball and water bottle. Weights are available or bring your own. Classes held at the Trinity Lutheran Church. (Pat Smith) \$45

CLCE 031 B	2486	MW	1/13-3/5	10:05-11 a.m.
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**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

CLCE 030 A 2480 TTH 1/7-3/6 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) \$45

CLCE 036 A 2510 MW 2/24-4/23 7-7:50 a.m.

CLCE 036 B 2515 MW 2/24-4/23 8-8:50 a.m.

CLCE 036 C 2520 MW 2/24-4/23 9-9:50 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) \$45

CLCE 036 D 2525 MW 2/24-4/23 10-10:50 a.m.

**Basic Better Bones and Balance**

This class is for you if you have not exercised for awhile, 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) \$45

CLCE 036 E 2535 MW 2/24-4/23 11-11:50 a.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 2530 TH 2/27-4/24 10:15-11:05 a.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!*

**What's New****Balance Ball Fitness**

See page 40 for information.

**Introduction to LinkedIn Career Networking-ONLINE**

In this course, you'll get hands-on experience with this powerful tool as you build your own career network. You'll learn how to create a profile that shows your professional achievements off to their best advantage, and you'll gain techniques for deepening and expanding your business contacts. You'll also learn about LinkedIn groups—a great way to find others who share your interests and background, and who may be major players in your industry. You'll also learn how to incorporate LinkedIn into your overall job-search and career development strategy, including traditional methods such as calling, letter writing, email etiquette, in-person interviewing, as well as some of the newer media, including text etiquette and social media do's and don'ts. \$99 Register at [lowercolumbia.edu/ce](http://lowercolumbia.edu/ce)

**Kepner Tregoe Problem Solving and Decision Making Training**

See page 37 for information.

**MEET THE INSTRUCTOR!**

Jeff Williams began Speak Up Now! to empower professionals to stand up and speak in front of other professionals. His decades of speaking and writing for radio, television and print media include stints with CVTV, Vancouver Schools, KGON, KISN and KGAR to name a few! Today, his business focuses on the original and still superior social medium: face to face communication. He holds a Bachelor of Arts degree from New Mexico State University. Jeff encourages everyone to stand up and express yourself!

**When Life Strikes-Public Speaking-NEW**

"Public speaking" isn't only about standing in front of a large audience with sweaty palms, shaky voice and attempting to deliver a speech. It is often about speaking in front of family or friends-wedding, birthday, anniversary-or a eulogy for a loved one or family friend. Perhaps it's delivering a speech in class. In this class you will learn tips and techniques for speaking up, speaking out and delivering a memorable and touching speech with confidence and clarity, creating a positive experience for you and your audience. Come, join our interactive community — you'll make new friends and learn new ways to express yourself! DTV 201 (Jeff Williams) \$49

CLCE 009 A 2390 SAT 1/11-2/8 10 a.m.-12 p.m.

## The Arts

### 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 (Allan Evald and Brad Bender) \$99

CLCE 019 A 2410 M 1/6-3/10 6-8 p.m.

### Start your Own Arts and Crafts Business-ONLINE

Learn to start your own arts and crafts small business from a professional artist. Discover your niche within your chosen craft and how to create your own unique business identity. You'll see what makes marketing in the arts and crafts business different from marketing in most other enterprises, and you'll learn secrets to finding a sales approach that meshes with your personality and preserves your creative integrity. \$99

Register at [www.ed2go.com/lccbic](http://www.ed2go.com/lccbic)

### 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 2425 TH 1/9-3/13 7-9 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 025 A 2435 M 1/6-3/10 7-8:40 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 2415 M 1/6-3/10 7-9 p.m.

### MEET THE INSTRUCTOR!

Working in a variety of mediums, Max Wade is a vibrant arts instructor with a passion for educating, teaching, and the community. His core visual sensibilities are from extensive study of Renaissance methods, and his work is focused on time and its passage, reflection, and the subtle balance between desires for solitude and interaction. Max trained for three years at the Cornish Institute in Seattle, Washington and completed his BA at The Evergreen State College in Olympia, Washington.



Since June 2010 Max has been teaching with LCC, inviting students to join him on his artistic journey in Drawing Essentials, Painting Techniques, Mask Making and Colored Pencil Technique. Max also leads our Continuing Education day trips. He's taken students to Hood River, the Mt. Angel Oktoberfest, and the Portland Art Museum just to name a few!

### Drawing Essentials

The focus in this course is on the development and refinement of time-tested drawing techniques. We will investigate and introduce techniques of light and shadow, perspective, proportion, visual measuring, and texture. Along with essential techniques, students will be introduced to a wide variety of tools and surfaces for drawing, both traditional and unconventional. This is a great course of study for relatively new artists who wish to establish a solid drawing foundation, and artists with experience who want to refine specific aspects of their work. MAN 109 (Max Wade) \$75

CLCE 018 A 2400 M 1/6-3/17 5-7 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 2405 W 1/8-3/5 5-7 p.m.

### Drawing for the Next Generation

Take part in drawing essentials for Middle and High school students. Develop and refine a sound foundation in drawing techniques. We will investigate and experiment with a variety of traditional drawing techniques including perspective, value, proportion, texture, and composition. Students will learn methods for determining subject matter, as well as maintaining sketch journals. Students will be encouraged to develop their own style and narrative. Ages 12+ DTV 201 (Max Wade) \$50

CLCE 027 C 2406 T 1/7-3/4 5-7 p.m.

## Writing & Languages

### Resume Writing Workshop-ONLINE

Create an effective resume or improve the one you already have. Transform your resume into a powerful tool that will assist in getting you an interview. This workshop will lead you through a self-assessment series so you will have knowledge about the product you are marketing, YOU! This course includes the use of online resumes and Internet Resume Secrets. \$99

Register at [www.ed2go.com/lcbbic](http://www.ed2go.com/lcbbic)

### Breaking Into Sitcom Writing-ONLINE

Learn from a veteran TV comedy writer on how to write professional sitcom scripts and how to break into show business. In this six-week course you'll discover the artistic and technical considerations that go into making a great sitcom script. You'll work on the art of creating concise, sparkling dialogue and telling your story completely through jokes. Get easy to follow instructions for using sitcom characters to their fullest, creating powerful storylines. \$99

Register at [www.ed2go.com/lcbbic](http://www.ed2go.com/lcbbic)

### Pleasures of Poetry-ONLINE

You'll learn the formal elements of poetry, become aware of how particular forms work, and explore many avenues for possible poetry topics. Interactive exercises will help you to create at least one poem with formal elements, and you'll receive instruction and commentary in a constructive and nurturing environment. \$99

Register at [www.ed2go.com/lcbbic](http://www.ed2go.com/lcbbic)

### An Introduction to Teaching ESL/EFL-ONLINE

During your six week course, you'll rethink the traditional native vs. non-native speaker distinction, see why teaching English is so different from teaching other subjects, and explore innovative approaches like Communicative Language Teaching and the lexical approach. Students who complete this course will receive a TESOL Certificate of Completion. \$99

Register at [www.ed2go.com/lcbbic](http://www.ed2go.com/lcbbic)

### 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, Law Enforcement, Corrections, Probation, & Public Safety

These courses are offered online. For only \$69 you will have access to the coursework for 4 months!

[www.lowercolumbia.edu/commandspanish](http://www.lowercolumbia.edu/commandspanish)



### Spanish for Library Personnel

The course teaches the Spanish that librarians will need to effectively communicate all the services available at the library, as well as explain library procedures. Topics include: greet library patrons, employ basic social and courtesy phrases, use communication strategies to negotiate a mutual level of understanding, manage behavior, explain and collect library fines, explain and conduct the application procedure for a library card and more. Your course will remain active for 120 days and take approximately 32 hours to complete.

### Spanish for Dentists

This is designed for dentists who need to break the language barrier in order to better care for Spanish-speaking patients to perform routine duties. Topics include greetings, communication strategies, the dental exam, sedation and topical anesthesia, procedures and treatment, follow-up instructions and more. Your course will remain active for 120 days and take approximately 20 hours to complete.

## Travel & Outdoors

### Skagit River Bald Eagles

Enjoy nature's splendor as few have seen it. Each winter, up to 300 Bald Eagles congregate in the Skagit Preserve. These magnificent and endangered birds are accustomed to seeing only the occasional riverboat in their protected habitat, so sightings are frequent. With wingspans of up to seven feet, the eagle is truly majestic from close range. You'll float calmly and comfortably with other enthusiasts in astoundingly beautiful scenery, watching our National Symbol feeding on the banks, soaring above or perched only a few yards away. Guides are experienced eagle watchers. All equipment is included. Join us! (Wildwater River Guides) \$69

#### Trip One

CLCE 039 A	2540	Sat	12/28	11 a.m.-3 p.m.
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#### Trip Two

CLCE 039 B	2545	Sat	1/11	11 a.m.-3 p.m.
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### Tacoma Museum of Glass

The Tacoma Museum of Glass is home to both temporary and permanent collections that feature 20<sup>th</sup> and 21<sup>st</sup> century glass. Feel the heat when you visit the Hot Shop, where a group of artists create works of art from molten glass. Glassblowing is a fascinating process and you can spend hours in the iconic 90-foot stainless steel cone that houses the Hot Shop! No visit is complete without a walk across the Chihuly Bridge of Glass, which connects the museum to downtown Tacoma. Tickets will be purchased in advance and are included in the registration fee, as is transportation to and from the museum. (Max Wade) \$35

CLCE 027 A	2450	TH	2/20	9 a.m.-4 p.m.
------------	------	----	------	---------------

### Portland Rediscovered: The Pearl District

The Pearl District was once known as the Industrial Triangle, full of railroad yards and warehouses. Today it is in the forefront of urban renewal and an internationally recognized leader in "LEED" certified buildings. Now home to art galleries, boutique shops and unique dining experiences, the Pearl District is not to be missed. Transportation to and from the Pearl District provided, dining, shopping and exploring can be done on your own or as a group! (Max Wade) \$25

CLCE 027 B	2455	TH	3/13	9 a.m.-4 p.m.
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Mail to: **Continuing Education**  
1600 Maple, PO Box 3010  
Longview, WA 98632  
Phone: 360.442.2840

Year **2014**  
**Winter** Summer  
Spring Fall

**Coming Soon...**  
Online Registration for  
Continuing Education courses!  
Check us out at  
[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

\_\_\_\_\_  
Mailing Address City State Zip Code

\_\_\_\_\_  
E-mail Address Home Phone Work Phone Cell Phone

## ENROLLMENT INFORMATION

Item#	Course Description	Dept.	Course	Section	Room	Days	Time	Date	Fees
1111	Sample Course Title	CLCE	9999	A	AAR 201	Th	7 p.m.	1/15	\$ 49
<b>Total</b>									

### Have you ever attended classes at LCC?

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

### How did you hear about this class?

\_\_\_\_\_  
\_\_\_\_\_

### Any other classes you'd like to see at LCC?

\_\_\_\_\_  
\_\_\_\_\_

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

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

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

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



# Career, Counseling & Employment Services

## ■ Looking for your dream job? LCC's Career Center can prepare you for a successful journey

Whether you're just starting college, ready to graduate, or simply need to find a new job, the Career Center at Lower Columbia College should be the first stop on your journey.

Open to community members as well as LCC students and alumni, the Center provides online and print resources, how-to workshops, two job listing services, and individualized help from career specialists to:

- Assess your interests
- Explore careers you may enjoy
- Research training options
- Find openings in your field
- Network with your peers
- Market yourself to positions
- Promote yourself to people

### Research Jobs & Careers

View job summaries and descriptions, average wages, projected job-growth, education requirements, and where to find the required training at [www.wois.org](http://www.wois.org).

### Build Resumes & Write Cover Letters

If you are getting interviews, your resume is working. If you are not, get resume feedback. Bring a jump drive to Career Services for help, or access Hire Connections from home, on the website. Create your free student/alumni account., then go to the resume builder. Upload your resume or create a new one, and one of our career specialists will offer feedback.

### Practice Interview Skills

Perfect your interview skills at home or at the Career Center. With a video camera and Flash Player, you can practice answering common and not-so-common interview questions.

Go to [www.perfectinterview.com/lcc](http://www.perfectinterview.com/lcc) to create a free account and evaluate yourself through the eyes of an employer. View model answers to difficult interview questions, too.

### Search for Jobs

Visit the website and select "Get a Job" to view popular search engines and local listings. For the best results, use multiple sites to locate openings.

### Career Specialists

**360.442.2330**

From one-on-one guidance to free career workshops, you can get help with every stage of your career development. Drop-ins are welcomed, but appointments are recommended. Call for an appointment.

### Counseling Services

**360.442.2330**

or Entry Center

360.442.2311

Our counselors can help you discover your passion, create a plan to build the career of your dreams, set realistic timelines based on your busy life, and help you deal with stress. To make an appointment contact us.

### Employers

Visit the website to create your free employer account. Recruit LCC students and alumni for a skilled workforce.

### Workshops

Free workshops offered through the Career Center help you assess your talents and research careers, find funding for college, and improve your job search efforts. Workshops are open to students and community members. Find a schedule of winter quarter workshops, including applying for financial aid and scholarships on the website.

### Meet Our Career Specialists



Anna Brodt has been assisting students with their education and career goals and helping workers look for employment for a number of years. Like many LCC students, she has personal experience retraining for a new job after time in the work world. Anna calls on her real life and work experience, along with two associate degrees and a bachelor's degree in Business, to effectively help visitors to the Career Center in their job searches.



Steve Chapman earned an associate's degree from LCC in 1997 and is a lifelong resident of the area. Steve holds a B.S. degree in Psychology from WSU Vancouver. He has 12 years of experience providing services and consulting in the area of employment. Much of his work has involved helping individuals overcome barriers to employment, including mental health and physical barriers, ex-offenders, dislocated and older adults re-entering the workforce.

# 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: Monday–Friday 8 a.m.–2 p.m.; Espresso Bar: Opens 7:30 a.m. Monday–Friday; Rose Center Encore Concessions: Monday–Thursday 8 a.m.–3 p.m., Friday closes 2 p.m.

## ■ 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 quarter is August 12. 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.–6 p.m.

Closed Friday, Saturday, Sundays, holidays, and between quarters.

## ■ 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 8 a.m.–6 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?

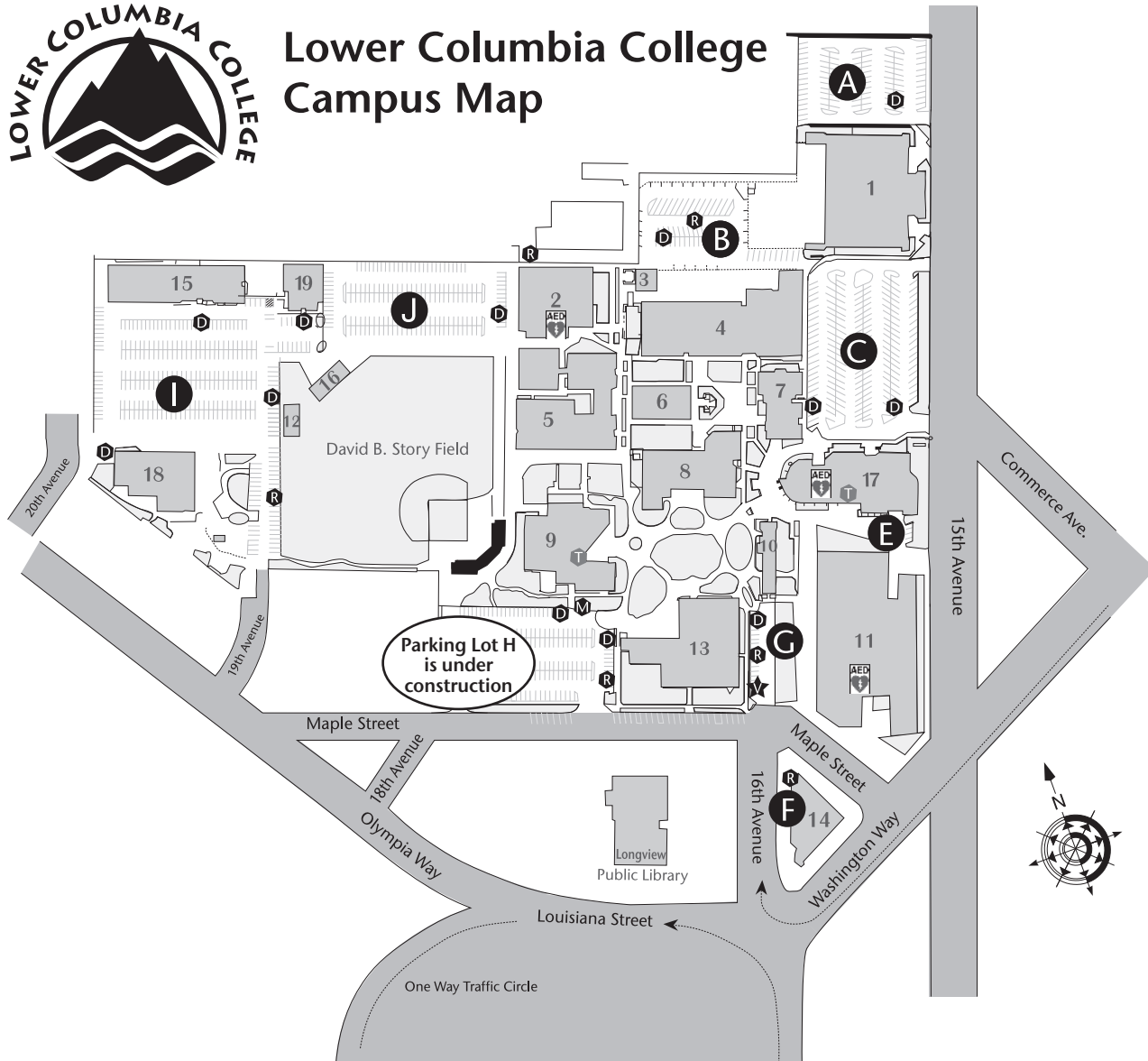
- Register, schedule, and pay online 24/7
- Get your test results immediately
- Computer based testing has a higher pass rate versus paper testing: 88% vs. 71%

For test and orientation dates: [lowercolumbia.edu/ged](http://lowercolumbia.edu/ged) or 360.442.2353

**Important Note:** The current version of the GED test will expire at the end of 2013. Those who have not successfully passed all five sections of the GED exam by the end of 2013 will have to restart all tests using the new 2014 version of the GED exam. Please note that all fees paid, including vouchers and waivers, will also expire at the end of 2013, and are non-refundable.



# Lower Columbia College Campus Map



**Visitors** may park in regular (not reserved) space long enough to pick up a Visitor's Parking Pass from the cashier's window in the Admissions Center (#8)  
Thirty-minute Visitor Parking is in Lot G

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

- |                                  |                                         |                                                    |
|----------------------------------|-----------------------------------------|----------------------------------------------------|
| 1. Don Talley Building (DTV)     | 8. Admissions Center (ADC)              | 15. Head Start/<br>Home & Family Life Center (HFL) |
| 2. Myklebust Gymnasium (GYM)     | 9. Library - Alan Thompson (LIB)        | 16. Batting Barn (BTB)                             |
| 3. Steam Plant (SPL)             | 10. Instructional Office Building (IOB) | 17. Student Center (STC)                           |
| 4. Vocational Building (VOC)     | 11. Rose Center for the Arts (RCA)      | 18. Campus Services Building (CMS)                 |
| 5. Applied Arts Building (AAR)   | 12. International Center (INC)          | 19. Head Start East Building (HSE)                 |
| 6. Science Building (SCI)        | 13. Main Building (MAN)                 |                                                    |
| 7. Physical Science Center (PSC) | 14. Administration Building (ADM)       |                                                    |

**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 \$\$\$ and Parking Hassles

### Textbook Rentals Reap Big Savings

Lower Columbia College students can save money on books and transportation this winter.

Rent your textbooks through the LCC Bookstore for an average savings of 60%. LCC students saved over \$21,000 by renting textbooks during the first month of classes for fall quarter.

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.

