



LOWER COLUMBIA COLLEGE

*The Smart Choice!*

SPRING 2019 CLASS SCHEDULE



SPRING CLASSES BEGIN APRIL 8

What's Inside: Arts & Entertainment Events at LCC on Page 24

## What's New

Coming Events .....	24
Dates & Deadlines .....	4
Diversity Classes .....	14
Final Exam Schedule .....	14
Online Learning .....	12
Special Funding Options .....	13

## How to Enroll

Bookstore Information .....	11
Campus Map .....	47
College Services Information .....	46
Financial Aid .....	7
Registration .....	4-5
Tuition & Fees .....	6

## Class Listings

Accounting .....	15
Allied Health .....	15
Anthropology .....	15
Art & Design .....	15
Automotive Technology .....	17
Biology .....	17

Business Administration .....	18
Business Technology .....	19
Chemical Dependency .....	20
Chemistry .....	20
College Success .....	20
Communication Studies .....	20
Computer Science .....	21
Cooperative Education .....	21
Criminal Justice .....	22
Diesel/Heavy Equipment .....	22
Technology .....	22
Drama .....	22
Early Childhood Education .....	22
Earth Science .....	23
Economics .....	23
Education .....	23
Engineering .....	23
English .....	23
Environmental Science .....	26
Geology .....	26
Health .....	26
History .....	27
Humanities .....	27

Information Technology .....	27
Machine Trades .....	27
Manufacturing .....	28
Mathematics .....	29
Medical Assisting .....	30
Music .....	30
Nursing .....	31
Nutrition .....	32
Oceanography .....	32
Philosophy .....	32
Physical Education .....	32
Physics .....	33
Political Science .....	33
Process Manufacturing .....	33
Psychology .....	33
Sociology .....	34
Spanish .....	34
Technology .....	34
Welding Technology .....	35
<b>Adult Basic Education .....</b>	<b>36</b>
<b>Continuing Education .....</b>	<b>38</b>

## LCC Office Hours

### Regular Hours:

**Monday–Friday, 8 a.m.–5 p.m.**

### Registration and Entry Center –

**Monday–Friday.....8 a.m.–5 p.m.**

### Cashiering –

**Monday–Friday.....8:15 a.m.–4:30 p.m.**  
**(Closed 1-1:30 p.m. for lunch)**

**Financial Aid hours are the same as Registration, except Wednesdays, when 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.*

## Equal Opportunity, Affirmative Action, and Reasonable Accommodation

Lower Columbia College offers over 70 associate degree and certificate options in a variety of fields, providing a rich complement of technical/professional, basic skills, and continuing education programs. Degree or certificate seeking students must apply for program admission and register in the degree or certificate program. The College will take steps to ensure that lack of English language skills will not be a barrier to admission or participation in vocational education programs.

The College provides equal opportunity in education and employment and does not discriminate on the basis of race, color, national origin, age, perceived or actual physical or mental disability, pregnancy, genetic information, sex, sexual orientation, gender identity, marital status, creed, religion, honorably discharged veteran or military status, or use of a trained guide dog or service animal as required by Title VI of the Civil Rights Act of 1964, Title VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, Sections 504 and 508 of the Rehabilitation Act of 1973, the Americans with Disabilities Act and ADA Amendment Act, the Age Discrimination Act of 1975, the Violence Against Women Reauthorization Act and Washington State's Law Against Discrimination, Chapter 49.60 RCW and their implementing regulations.

The following person has been designated to handle inquiries regarding non-discrimination, equal opportunity, affirmative action or the ADA policies or for Title IX/504 compliance issues: Director of Human Resources & Legal Affairs, 1600 Maple Street, Longview, WA 98632, Phone number, 360.442.2120, Phone number/TTY 800.833.6388.

The College publications are available in alternate formats upon request by contacting the Disability Support Services at 360.442.2340.

**Volume 11, No. 2, Spring 2019.** LCC Class Schedule (USPS 025-007) is published four times a year (November, February, April and June) by Lower Columbia College. The Lower Columbia College Office of Effectiveness & College Relations is located at 1600 Maple Street, Longview, WA 98632-0310. Periodicals postage paid at Longview, WA and at additional mailing offices.

POSTMASTER: Send address changes to Lower Columbia College, 1600 Maple Street, Longview, WA 98632-0310.

### 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.





**Get (Finish!) the Degree You've Always Wanted**

## ONLINE ASSOCIATE IN BUSINESS DEGREE

**NEW!**

LCC's new online associate in business degree is perfect for working adults and others who need a college schedule that works for them. This degree prepares students for transfer to university programs in management, accounting, marketing, finance, operations management, human resources, and more!

Credit for prior learning—including previously earned college credits, industry certifications or military service—can be applied to this degree if approved. Financial aid and scholarships are available for qualifying students.

**Learn more at [lowercolumbia.edu/business](http://lowercolumbia.edu/business)**

## MULTICRAFT TRADES CERTIFICATE

**NEW!**

Lower Columbia College's newest certificate will prepare you to enter a local apprenticeship, a skilled trade career, or an associate degree program in the industrial trades including manufacturing, diesel/heavy equipment technology, machining, and/or welding.

This certificate is perfect for a '13th year' after high school to jump-start a rewarding career! Credits earned in approved high school classes can be applied to this certificate. Financial aid and scholarships are available for qualifying students.

**Learn more at [lowercolumbia.edu/trades](http://lowercolumbia.edu/trades)**

# HOW TO REGISTER

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

## New Students

Registration begins March 11 for new students. Apply for admission, there is no fee to apply: [lowercolumbia.edu/apply](http://lowercolumbia.edu/apply). If needed, staff assistance and computers are available in the Admissions Center.

### 1. Apply for admission

Online or in person at the Registration Office.

### 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 who plan to earn a degree or certificate from Lower Columbia College, or who plan to transfer to a four-year institution, can use multiple measures for the purpose of determining English and Math placement. Placement options include, but are not limited to, Directed Self-Placement, Smarter Balanced scores, High School transcripts, and previous college course work. Placement assessments are offered in the Admissions Center testing lab, open 10 a.m.- 5 p.m. Mon–Thurs. More information is available at [lowercolumbia.edu/placement](http://lowercolumbia.edu/placement).

### 5. Attend New Student Orientation & Register

Sign up at the Admission Center Testing Lab to attend a New Student Orientation. Prepare by previewing the online class schedule, and bring your placement testing scores and program planner(s) for any areas of study that interest you. We also recommend that you map out a schedule of when you are available for classes and studying.

### 6. Pay your tuition and fees

Tuition is due the Tuesday before classes begin. 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.

## Non-credit classes:

Continuing Education class listings and registration information begin on page 38.

## Class Full? Get on the Waitlist!

Students may be added to the waitlist through the end of the day, Friday March 29. If openings occur through the third day of the quarter (April 10), 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. Please stop by the Registration office to remove yourself from a waitlist if you are no longer interested in being enrolled in a class. Check your waitlist status at [lowercolumbia.edu/online-services](http://lowercolumbia.edu/online-services).

## Current Students

Registration begins March 4 for students who have attended LCC within the last quarter.

**1. Find out your earliest registration date/time** online at [lowercolumbia.edu](http://lowercolumbia.edu). Student ID Number and Global PIN required.

**2. Meet with your program advisor** to plan your class schedule and get your Quarterly Registration PIN. If you have not received an email listing your program advisor, contact the Entry Center.

**3. Register** online or in person at Registration. Students taking more than 18 credits must register in person.

**4. Pay your tuition and fees** by the deadline listed on the Academic Calendar online. 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.

## Spring Dates and Deadlines

Priority application deadline for Spring financial aid .....	Feb. 18
Spring application for admission deadline .....	February 25
Veterans/Dependents Priority Registration/Spring .....	March 1
Priority registration for Spring begins .....	March 4
Open registration for Spring begins .....	March 11
Financial Aid Verification deadline .....	March 11
Last day to be added to a Waitlist .....	March 29
First day of classes .....	April 8
Last day of online registration .....	April 10
Last day for 100% tuition refund .....	April 12
Last day for 50% tuition refund .....	April 26
Last day to apply for Spring graduation .....	April 30
Open registration for Summer begins .....	May 6
Veterans/Dependents Priority Registration/Fall .....	May 24
Memorial Day Holiday .....	May 27
Priority application deadline for Summer financial aid ....	May 27
Summer application for admission deadline .....	May 28
Priority registration for Fall begins .....	May 28
Last day to withdraw from classes .....	May 31
Open registration for Fall begins .....	June 3
Last day of Spring classes .....	June 14
Spring finals .....	June 18-20
Commencement .....	June 21

*Cashier, the Entry Center, Financial Aid, Advising, Registration, and Testing are located in the Admissions Center. Questions? Contact the Entry Center, [entry@lowercolumbia.edu](mailto:entry@lowercolumbia.edu), phone 360.442.2311 or toll-free 1.866.900.2311.*

# ONLINE REGISTRATION & PAYMENT

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

## 1. Check Your Registration Date and Time

Using the Online Services page, choose “get my registration 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 from the instructor of the class.

Select *Register for my classes*. 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, you will receive a warning message regarding the time conflict.

## 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 is due the Tuesday before classes begin.

## 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


### 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

March 4-April 10

### 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, permanent resident status, hold an A, E, G, H, I, K or L visa or have “refugee/asylum” status. If your residency cannot be determined at the time of admission, your tuition and fees will be calculated at the non-resident tuition and fee rate. 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:

- Resided in Washington state for the three (3) years immediately prior to receiving a high school diploma, and completed the full senior year at a Washington high school, OR completed the equivalent of a high school diploma (GED) and resided in Washington state for the three (3) years immediately before receiving the equivalent of the diploma; and
- Continuously resided in the State since earning the high school diploma or its equivalent.

If you are eligible, complete the HB 1079 affidavit (Washington Higher Education Affidavit/Declaration/Certification form), available in the Registration office in the Admission Center. The original should be submitted to the Lower Columbia College Registration office. Contact the Registrar at 360.442.2372 for additional information.

### Oregon Border County Residents (Column B)

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

### Non-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.

### International 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. Visit the Veterans’ Office in the Student Center or see [lowercolumbia.edu/veterans](http://lowercolumbia.edu/veterans) for details.

### 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 \$1.60 per credit facilities use fee, \$3.00 per credit technology fee and applicable lab fees.

2018-2019 Tuition and Fee Schedule					
(Facilities Use, Technology, Tutor Center, Fitness Center Upgrade fees included)					
# Cr.	A WA State Residents	B OR Border Residents	C Non-Residents	D International Students	E Veterans
1	116.69	125.19	129.44	294.11	95.44
2	233.38	250.38	258.88	588.22	190.88
3	350.07	375.57	388.32	882.33	286.32
4	466.76	500.76	517.76	1,176.44	381.76
5	583.45	625.95	647.20	1,470.55	477.20
6	700.14	751.14	776.64	1,764.66	572.64
7	816.83	876.33	906.08	2,058.77	668.08
8	933.52	1,001.52	1,035.52	2,352.88	763.52
9	1,050.21	1,126.71	1,164.96	2,646.99	858.96
10	1,166.90	1,251.90	1,294.40	2,941.10	954.40
11	1,224.76	1,314.04	1,358.68	3,006.18	1,001.57
12	1,282.62	1,376.18	1,422.96	3,071.26	1,048.74
13	1,337.48	1,435.32	1,484.24	3,133.34	1,092.91
14	1,392.34	1,494.46	1,545.52	3,195.42	1,137.08
15	1,447.20	1,553.60	1,606.80	3,257.50	1,181.25
16	1,502.06	1,612.74	1,668.08	3,319.58	1,225.42
17	1,556.92	1,671.88	1,729.36	3,381.66	1,269.59
18	1,611.78	1,731.02	1,790.64	3,443.74	1,313.76
19	1,708.31	1,837.20	1,901.65	3,717.69	1,386.16
20	1,804.84	1,943.38	2,012.66	3,991.64	1,458.56
21	1,901.37	2,049.56	2,123.67	4,265.59	1,530.96
22	1,997.90	2,155.74	2,234.68	4,539.54	1,603.36
23	2,094.43	2,261.92	2,345.69	4,813.49	1,675.76

### Miscellaneous Fees for 2018-19

- **Apprenticeship:** \$54 per credit; \$3.60 per clock hour.
- **Computer Lab:** A fee of \$27.10 per class is charged for certain classes identified in the course listing.
- **Facilities:** The chart includes a fee of \$1.60 per credit (up to 18 credits) for facilities maintenance and College security.
- **Fitness Center Upgrade:** The chart includes a fee of \$2.50/credit (up to 10 credits) for fitness center upgrade.
- **Fitness Center Use:** \$20 per student/per quarter.
- **GED Testing:** \$120 for first time on all four. Re-testing: \$30 per test.
- **High School Completion:** Students taking courses to earn a high school diploma are charged a per credit fee based upon residency status (\$53.80 per credit for residents and \$107.59 for non-residents). They also pay the Technology, Facilities, Tutoring Center, Matriculation, Fitness Center Use and Fitness Center Upgrade fees.

- **Lab:** Nonrefundable lab fees are collected for certain classes. Where applicable, this fee is shown with class listings in this schedule. Distance Education online courses require a Distance Ed fee of \$6/credit (up to 10 credits) for each class. Distance Education Hybrid and Enhanced classes require a Distance Ed fee of \$3/credit (up to 10 credits).
- **Matriculation:** \$1.50/credit (up to 10 credits).
- **Resident Excess Credit:** Residents pay \$96.53 per credit above 18 credits.
- **Technology:** The chart includes a Technology fee of \$3/credit (up to 12 credits). 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.
- **Tutoring Center:** The chart includes a fee of \$.50/credit (up to 10 credits), 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)
- Visit [readyssetgrad.org/wasfa](http://readyssetgrad.org/wasfa) to apply for state aid if you are ineligible to apply for federal aid due to immigration status.

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 the financial aid steps 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 [fafsa.gov](http://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-Friday 8 a.m. - 5 p.m.\*

\* student aides staff the front counter every  
Wednesday from 8-11 a.m. and 2-5 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.

Go to [lowercolumbia.edu/scholarships](http://lowercolumbia.edu/scholarships) for more information.

### Looking for your dream job?

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

### Delayed Tuition Payment Options

Need more time to pay your tuition? Here are two 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/payment-plan](http://lowercolumbia.edu/payment-plan)

### Waiting for your Financial Aid funds?

Students who meet the priority application deadline of February 18, 2019 for Spring Quarter 2019 are eligible for to receive an automatic hold on their classes until finance applies their financial aid to their tuition/fees. Expect 3-6 weeks to process the financial aid award from the date the application and all required forms were submitted.

Students who meet the verification deadline, if selected for verification, of March 11, 2019 by submitting all required documentation to complete the application and verification process, will also be automatically held in their classes. However, they should also expect a minimum 3-6 weeks to process the financial aid award from the date the application and all required forms were submitted. Students should have a plan to purchase books while waiting for their financial aid award.

# UNIVERSITY TRANSFER

Students who begin a four-year degree at Lower Columbia College save on tuition costs as well as room and board if they live at home. Records show LCC students who transfer earn an average **3.24 GPA** for junior and senior studies at Washington public universities.

The Associate in Arts Direct Transfer Agreement (AA-DTA) provides a smooth transition to upper division studies in state public universities. The 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.

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

Transfer students graduate in all subjects, including:

- **Business**
- **Healthcare**
- **STEM** (science, technology, engineering, and math)

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

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



## Washington 45

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

### First Year Transfer List

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

*\*Natural Science lab courses.*

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

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

2018-19 Annual Tuition & Fees* Comparison	
Lower Columbia College	\$4,342
Washington Public Universities	\$7,300 - \$11,200

\* In-state rates



# WORKFORCE PREPARATION

LCC offers a variety of professional-technical programs designed to prepare students to enter the workforce. Research shows that **75% of LCC graduates are employed within nine months of graduation**, compared to just 74% for the state as a whole.

Professional-technical programs include certificates, associate degrees and even transfer degrees in some areas (such as Nursing) where bachelor's degrees are recommended for employment in the field. Many of LCC's programs feature lab and field opportunities that mirror the working world.

LCC offers programs in the following professional-technical areas:

Accounting	Diesel/Heavy Equipment Technology*	Medical Billing & Coding*
Administrative Services*	Early Childhood Education*	Medical Office Administration
Allied Health	Elementary Education	Medical Reception*
Automotive Technology	Health & Fitness	Networking
Basic Office Skills	Information Technology	Nursing
Business Management	Machine Trades*	Para-educator*
Chemical Dependency Studies	Manufacturing*	Retail Management*
Computer Numerical Control (CNC)*	Math Education	Secondary Education
Criminal Justice	Medical Assisting*	Web Development
		Welding*

Learn more about LCC's Professional-Technical program options at [lowercolumbia.edu/work](http://lowercolumbia.edu/work)

La falta de habilidades lingüísticas no es una barrera para la admisión y la participación en cualquier oportunidad de educación profesional y técnica.

\*For more information about Gainful Employment programs at LCC, please visit [lowercolumbia.edu/programs/gainful-employment](http://lowercolumbia.edu/programs/gainful-employment)

## Notification of Title IV Student Complaint Process

The Higher Education Act (HEA) prohibits an institution of higher education from engaging in a "substantial misrepresentation of the nature of its educational program, its financial charges, or the employability of its graduates." 20 U.S.C. §1094(c)(3)(A). Further, each state must have "a process to review and appropriately act on complaints concerning the institution including enforcing applicable state laws." 34 C.F.R. § 600.9. The Washington State Board for Community and Technical Colleges (SBCTC) maintains a process to investigate complaints of this nature brought by community and technical college students in the state of Washington. For information, contact SBCTC Student Services, PO Box 42495, Olympia, WA 98504-2495, [ballinder@sbctc.edu](mailto:ballinder@sbctc.edu), 360-704-4315 or visit [sbctc.edu](http://sbctc.edu).



# Veterans' Services

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

LCC staff provides assistance with completing the process to apply for the GI Bill, veterans' health benefits and other college services. To get started, veterans need DD 214 Member 4 Copy, Report of Separation from Active Service.

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

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

## The College participates in the following VA educational programs

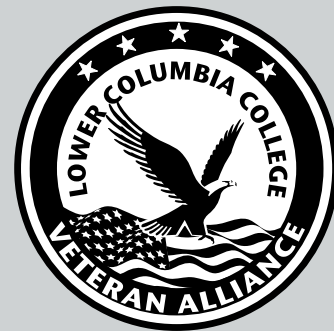
- Post 9/11 GI Bill - Ch 33
- Montgomery GI Bill Active Duty (MGIB-AD) - Ch 30
- Survivors and Dependents Educational Assistance (DEA) - Ch 35
- Montgomery GI Bill Selected Reserve (MGIB-SR) - 1606
- Reserve Educational Assistance Program (REAP) - 1607
- Vocational Rehabilitation and Employment (VR&E) - Ch 31

## Lower Columbia College Veteran Alliance

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

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

**For more information call 360.442.2346**



## Attend an Upcoming Veteran Briefing

Learn about key resources for veterans and their dependents at LCC. This briefing is for new and current students or those who want to learn more about attending college.

Contact Vet Corps Navigator  
Connie O'Brien Larsen  
cobrienlarsen@lowercolumbia.edu

**lowercolumbia.edu/veterans**  
for more information



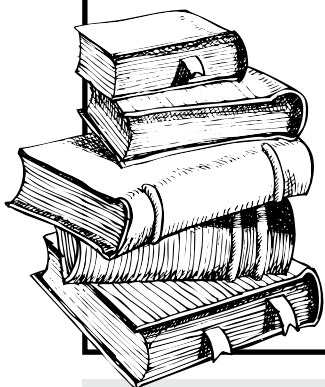
## Veterans' Corner

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

## Buying Your Books

The LCC Bookstore makes it easy for you to get your textbooks. Here's how:

- Stop by the Bookstore (in the Student Center) with your schedule and the staff will find your books for you. Some used books are available for most courses so, if possible, shop early.
- Buy books online at [lowercolumbia.edu/bookstore](http://lowercolumbia.edu/bookstore) and pick them up in-store or have them shipped to your home. Textbooks will be available online beginning March 4.



### Bookstore Hours

Mon-Thurs, 7:30 a.m.-4:30 p.m.

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

*Extended hours opening week of the quarter, check Bookstore website*

### Spring Book Buyback

June 17, 12-4:30 p.m.

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

June 21, 8:30 a.m.-1 p.m.

## Attention LCC Alumni

We invite you to make a fresh connection to LCC by signing up to become a member of the Alumni Association. Whether you earned a degree or certificate or completed just one quarter, we consider you part of our alumni family.

*We look forward to connecting with you!*



**What are you waiting for? Learn more at [lowercolumbia.edu/alumni](http://lowercolumbia.edu/alumni)**

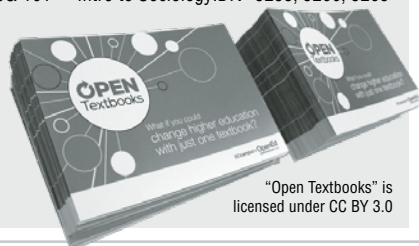
## Does Your Class Use Free Or Inexpensive Textbooks?

Alternative Educational Resources (AER) are print or digital, free or inexpensive alternatives to commercial textbooks. AER include course materials that **cost our students less than \$50** to use, and include used textbooks and other physical and digital resources. Look for this symbol in your class schedule:

© All Transitional Studies, ABE and ESL classes are AER.

### COURSES USING AER — SPRING 2019

ACCT 275	Accounting Tech Capstone-0850	CHEM& 110	Chemical Concepts w/lab-1790, 1795	ENGL& 102	Composition II-2805, 2810, 2815, 2825
ANTH& 204	Archaeology-0950	CHEM& 121	Intro to Chemistry-1805	ENGL 126	Arts Magazine Publication III-2700
ANTH& 205	Biological Anthropology-0955	CHEM& 131	Intro to Organic Biochemistry-1820	ENGL 226	Arts Magazine Publication VI-2715
ART 155	Beginning Digital Photography-1025	CMST& 220	Public Speaking-2145, 2150, 2160, 2165, 2170	ENVS 215	Environmental Issues & Applications-2890
ART 162	Digital Fund for Art and Design-1030			ERSI 105	Earth Systems-2905, 2910, 2915
ART 241	Beginning Ceramic Art-1045, 1050, 1055, 1060, 1065, 1070	CS 170	Programming Fundamentals-2265, 2267	HUM 107	How to See a Play-3475
BIOL& 160	General Biology-1165, 1170, 1175, 1180	DRMA& 101	Intro to Theatre-2415	HUM 251	Ethics and Policy in Healthcare III-3505
BIOL& 160	General Biology w/lab-1215	DRMA 108	Intro to Acting III-2380	MATH& 107	Math in Society-4135, 4145
BIOL& 213	Majors Biology Plant-1220	DRMA 116	Stage Crafts I-2385	MATH 220	Linear Algebra-4100
BIOL& 241	Anatomy & Physiology I-1225, 1230	DRMA 117	Stage Crafts II-2390	MUSC 100	Fundamentals of Music-4290
BIOL& 242	Anatomy & Physiology 2-1250, 1255	DRMA 118	Stage Crafts III-2395	MUSC& 105	Music Appreciation-4650, 4655
BIOL& 260	Microbiology-1280, 1285, 1290	DRMA 198	Rehearsal & Performance III-2400	MUSC 115	Group Piano Instruction-4320
BTEC 104	Intro to Business Technology-1335, 1340	DRMA 208	Acting III-2405	MUSC 145	Beginning Voice-4375
BTEC 149	Internet Fundamentals-1420	DRMA 298	Rehearsal & Performance VI-2410	NUTR& 101	Nutrition-4855, 4875, 4880, 4885, 4892
BTEC 150	Intro to Google Apps-1425	ECED& 100	Child Care Basics-2455, 2460	PSYC& 100	General Psychology-5190, 5195, 5200
BTEC 155	Website Management-1430	ECON 105	Intro to Economics-2535, 2540	SOC& 101	Intro to Sociology-DIV-5255, 5260, 5265
BTEC 165	Cultural Awareness for Care Professionals-DIV-1455, 1460	ECON& 201	Micro Economics-2545		
BUS 100	Foundations of Business Success-1570	ECON& 202	Macro Economics-2550		
BUS& 101	Intro to Business-1685, 1690, 1695	ENGL 098	College-Ready English I-2635, 2640, 2645, 2650		
BUS 144	Management Human Relations-DIV-1590, 1595, 1600, 1650, 1655, 1660	ENGL 099	College-Ready English II-2655, 2660, 2665, 2675, 2680		
BUS& 201	Business Law-1710, 1715	ENGL& 101	English Composition I-2765, 2775, 2780, 2785, 2790		



"Open Textbooks" is licensed under CC BY 3.0



# 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.

**Enhanced** – Course is fully face-to-face, but has an additional, required online component. (i.e. submitting assignments or discussion boards)

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.

**Note:** Some online classes require that students use a proctoring service for their online exams. This can be done at LCC, other colleges/approved sites, or with Proctor U. Many test proctoring locations charge a fee for this service, which students are responsible for paying. Students should work with their instructors if they have any questions about test proctoring requirements.

## Need help with Canvas?

If your class listing shows this symbol ▼ you will be using Canvas – LCC's online learning management system.

### Schedule a free one-on-one help session!

*Learn how to:*

- *Change your profile settings in Canvas*
- *Navigate your course*
- *Complete assignments, quizzes, and more!*

To schedule an appointment or for more information, stop by the Learning Commons, or call eLearning 360.442.2520 or Tutoring 360.442.2572

## LCC ONLINE CLASSES – SPRING 2019

ACCT& 203	Principles of Accounting III	CMST& 230	Small Group Communication	*MATH 098/099	Pre-College Math III
ART 228	History of Western Art III:DIV	COLL 074	Math Success	MATH 210	Elements of Statistics
ART& 100	Art Appreciation:DIV	COLL 101	First Year Seminar I	MATH& 107	Math in Society
BIOL& 160	General Biology	CS 110	Microcomputer Applications	MATH& 148	Business Calculus
BIOL& 241	Human A & P 1	ECED& 100	Child Care Basics	MUSC 117	Music Cultures World:DIV
BIOL& 242	Human A & P 2	ECON 105	Intro to Economics	MUSC& 105	Music Appreciation
BIOL& 260	Microbiology	ECON& 202	Macro Economics	NUTR& 101	Nutrition
BTEC 132	Advanced Spreadsheet Applications	EDUC& 115	Child Development	OCEA& 101	Intro to Oceanography
BTEC 148	Introduction to Outlook	ENGL 098	College-Ready English I	PHED 152	Personalized Fitness
BTEC 181	Medical Terminology I	ENGL 099	College-Ready English II	PHED 252	Personalized Fitness
BTEC 182	Medical Terminology II	ENGL 270	Literature for Children	PHIL& 101	Intro to Philosophy
BUS 144	Management/Human Relations:DIV	ENGL& 101	English Composition I	POLS& 202	American Government
BUS 150	Customer Service/Management	ENGL& 102	Composition II	PSYC 150	Psychosocial Issues in Health Care I
BUS 159	Principles of Retailing	ENGL& 235	Technical Writing	PSYC& 100	General Psychology
BUS 206	Statistical Methods	ERSI 105	Earth Systems	PSYC& 200	Lifespan Psychology
BUS 245	Principles of Management	HIST 205	History of East Asia:DIV	SOC& 101	Intro to Sociology:DIV
BUS& 101	Introduction to Business	HIST& 136	US History 1	*SPAN& 121	Spanish I:DIV
BUS& 201	Business Law	HIST& 137	US History 2	*SPAN& 122	Spanish II:DIV
CDS 101	Intro to Addictions & CD	HLTH 106	Health and Wellness	*SPAN& 123	Spanish III:DIV
CHEM& 110	Chemical Concepts w/lab	HSC 083	Career Planning	*SPAN& 221	Spanish IV
CHEM& 121	Intro to Chemistry	HUM 210	Myth and Rites:DIV	*SPAN& 222	Spanish V
CMST& 210	Interpersonal Communication	HUM 250	Ethics/Policy Healthcare II	*SPAN& 223	Spanish VI
CMST& 220	Public Speaking	*MATH 078/079	Pre-College Math I		
		*MATH 088/089	Pre-College Math II		

*\*These courses do not use Canvas*

# Start Next Quarter



## See If You Qualify for Special Funding for College

Special funding, in addition to traditional financial aid, is available to help pay college expenses for individuals seeking job training at Lower Columbia College. Current students, and others who want to train for a new job, can easily see if they might qualify through a new online tool.

### Start Next Quarter

Take the 10-minute survey at [www.startnextquarter.org](http://www.startnextquarter.org) to find out if you might qualify for special funding programs that help cover college expenses, including textbooks, transportation and childcare. If you pre-qualify, you can sign-up for an information session where you'll learn about available funding programs, determine your eligibility and submit an application. You'll also learn about:

- Available career training programs
- How to prepare for the placement assessments
- How to apply for federal financial aid (FAFSA)
- How to keep your unemployment or basic food benefits while in training

For help completing the survey, call the Workforce Services office, 360.442.2330, or stop by the Career Center for one-on-one support.

### Worker Retraining

**360.442.2334**

[lowercolumbia.edu/worker-retraining](http://lowercolumbia.edu/worker-retraining)

Worker Retraining is a state-funded program that provides job-related training and employment services to dislocated and unemployed workers to help them gain additional training in their field or to get started on a new career. You may be eligible to receive additional funding to help pay for retraining tuition, books and fees or "jump-start" funding while waiting for financial aid approval. If you are currently receiving unemployment benefits, Worker Retraining staff will work with you to navigate the employment service programs available to the unemployed.

### Opportunity Grant

**360.442.2338**

[lowercolumbia.edu/opportunity-grant](http://lowercolumbia.edu/opportunity-grant)

Unemployed or underemployed adults seeking a certificate or degree in a high demand career field, may be eligible for help to pay for college expenses under the Opportunity Grant Program. The grant provides individualized support services, along with funding for tuition and fees, books, and/or tools for up to 45 credits.

### Basic Food, Employment & Training (BFET)

**360.442.2332**

[lowercolumbia.edu/bfet](http://lowercolumbia.edu/bfet)

In a partnership with Department of Social and Health Services (DSHS), Lower Columbia College offers opportunities for vocational education and career development to low income students who qualify to receive, or are currently receiving, federally-issued basic food benefits. While BFET does not provide tuition assistance, you may qualify for other assistance such as child care and food benefits. If you are currently receiving federally issued basic food benefits, BFET will allow you to continue to receive those benefits while attending school. As a benefits recipient, you will be required to participate in monthly career exploration activities with BFET staff.

**For more information about workforce funding programs and the services available, please contact:**

### Basic Food, Employment & Training (BFET)

Katie Sully, Educational Planner  
[ksully@lowercolumbia.edu](mailto:ksully@lowercolumbia.edu)

Steve Boyer, Program Coordinator  
[sboyer@lowercolumbia.edu](mailto:sboyer@lowercolumbia.edu)

### Opportunity Grant

Darren Schwegler, Educational Planner  
[dschwegler@lowercolumbia.edu](mailto:dschwegler@lowercolumbia.edu)

### Worker Retraining

Crystal Heitz, Educational Planner  
[cheitz@lowercolumbia.edu](mailto:cheitz@lowercolumbia.edu)



## Diversity Classes

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

ANTH& 100	Survey of Anthropology	ENGL 245	Contemporary Literature
ANTH& 206	Cultural Anthropology	ENGL 246	Rainbow Readers: LGBTQ Literature
ART& 100	Art Appreciation		
ART 206	Arts of the Americas	ENGL 280	Multicultural Literature
ART 207	Arts of the World	ENVS 150	Environment and Society
ART 208	Arts of the Northwest	HIST& 126	World Civilization I
ART 224	History of Graphic Design	HIST& 127	World Civilization II
ART 228	History of Western Art	HIST& 128	World Civilization III
ASL& 123	American Sign Language III	HIST 205	History of East Asia
BTEC 165	Cultural Awareness for Care Professionals	HIST& 215	Women in U.S. History
		HUM 104	Ethics and Cultural Values
BUS 144	Management of Human Relations	HUM 164	Cultural Journeys
		HUM 210	Myths and Rites
CHIN& 121	Chinese I	MUSC 117	Music Cultures of the World
CHIN& 122	Chinese II	MUSC 119	American Music
CHIN& 123	Chinese III	MUSC 209	The Blues Culture
CMST 240	Rhetorical Criticism and Popular Culture (was SPCH 209)	SOC& 101	Introduction to Sociology (Includes WAOL's SOC& 101)
CMST 250	Intercultural Communication (Was SPCH 109)	SOC 210	Human Sexuality
EDUC& 205	Introduction to Education w/Field Experience	SOC 225	Race and Ethnicity
		SPAN& 121	Spanish I
ENGL 140	Introduction to Women Writers	SPAN& 122	Spanish II
		SPAN& 123	Spanish III

## Spring 2019 Final Exam Schedule (June 18-20)

Use this chart to determine your final exam time. Schedules are online at [lowercolumbia.edu/classes/finals.php](http://lowercolumbia.edu/classes/finals.php)

Class begins between	On these days	Your final exam time will be	On this date
7:00 a.m. - 8:30 a.m.	M, MWF, MW, W, Daily	8:00 a.m. - 10:00 a.m.	June 20
7:00 a.m. - 8:30 a.m.	MTWTh, MTWF, MWThF, TTh	8:00 a.m. - 10:00 a.m.	June 18
9:00 a.m. - 9:50 a.m.	TTh, MTWTh	8:00 a.m. - 10:00 a.m.	June 19
9:00 a.m. - 9:50 a.m.	MWF, MW, Daily	10:10 a.m. - 12:10 p.m.	June 20
10:00 a.m. - 10:50 a.m.	MW, MWF, Daily	10:10 a.m. - 12:10 p.m.	June 18
11:00 a.m. - 11:55 a.m.	MWThF, TTh, MTWTh	10:10 a.m. - 12:10 p.m.	June 19
11:00 a.m. - 11:55 a.m.	MW, MWF, Daily	12:20 p.m. - 2:20 p.m.	June 20
12:00 p.m. - 12:55 p.m.	MW, Daily, MWThF	12:20 p.m. - 2:20 p.m.	June 18
1:00 p.m. - 2:00 p.m.	MWF, MW, W, MTWTh, Daily, MTWF	12:20 p.m. - 2:20 p.m.	June 19
1:00 p.m. - 2:20 p.m.	TTh, Th, T	2:30 p.m. - 4:30 p.m.	June 20
2:30 p.m. - 4:00 p.m.	MWF, MW, M, W	2:30 p.m. - 4:30 p.m.	June 18
2:30 p.m. - 4:00 p.m.	T, TTh	2:30 p.m. - 4:30 p.m.	June 19
Classes not listed above or classes that conflict with other finals		Please contact your instructor for your final exam time	
5:00 p.m.-10:00 p.m.	All Days	During Class	Talk to Instructor

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

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

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

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

For any classes that conflict with other final exams please talk to your instructor for more information.



# CLASS LISTINGS

## These initials or symbols on the course listing mean:

**A** = No more than three PHED activity credits may be taken as electives towards a DTA degree.

**D** = Course meets Diversity requirement.

**H** = Course meets distribution credit in Humanities.

**SS** = Course meets distribution credit in Social Science.

**NS** = Course meets distribution credit in Natural Science.

**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** = Course uses the CANVAS learning management system. All courses with this symbol have a fee. All DE sections have a fee of \$6.00 per credit, maximum of \$60.00.

All other **▽** sections have a fee of \$3.00 per credit, maximum of \$30.00. CANVAS orientation information is on page 12.

**ⓔ** = Course uses Open or Alternative Educational Resources/Textbooks cost less than \$50.00

**ⓧ** = Course is clustered with other class sections that meet at the same time, in the same classroom.

## Accounting

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

### ACCT 101 INTRODUCTION TO ACCOUNTING CONCEPTS

**▽** 0835 A 5 TTh 1:00p.m.-3:15p.m. AAR 103 STANLEY J

### ACCT 150 PAYROLL ACCOUNTING AND TAX REPORTING

**▽** 0845 A 5 TTh 11:00a.m.-12:40p.m. AAR 108 CUMMINGS D  
Hybrid class; partially online.

### ACCT& 202 PRINCIPLES OF ACCOUNTING II

**▽** 0865 A 5 MW 11:00a.m.-12:25p.m. AAR 103 STANLEY J  
Prerequisite: ACCT& 201 with a grade of C or better.  
Hybrid class; partially online.

### ACCT& 203 PRINCIPLES OF ACCOUNTING III

**▽** 0870 A 5 MW 9:00a.m.-10:25a.m. AAR 103 STANLEY J  
Prerequisite: ACCT& 202 with a grade of C or better and basic spreadsheet skills.  
Hybrid class; partially online.

**▽** 0875 DE 5 ARR ARR ARR STANLEY J  
Prerequisite: ACCT& 202 with a grade of C or better and basic spreadsheet skills.  
Online class.

### ACCT 275 ACCOUNTING TECH CAPSTONE

**▽** 0850 A 5 M 1:30p.m.-3:30p.m. AAR 108 CUMMINGS D  
Hybrid class; partially online. **ⓔ** Uses Alternative Educational Resources.

## Course # Course Name

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

## Allied Health

### EVENING CLASSES

#### AH 114 HEALTHCARE COMMUNICATION SKILLS

**▽** 0890 N 2 W 5:15p.m.-7:00p.m. HSB 244 ENGEL E  
Hybrid class; partially online.

## Anthropology

#### ANTH& 204 ARCHAEOLOGY

**▽** 0950 A 5 TTh 8:30a.m.-10:45a.m. MAN 235 BATEY T  
**ⓔ** Uses Alternative Educational Resources.

#### ANTH& 205 BIOLOGICAL ANTHROPOLOGY

**▽** 0955 A 5 MWF 10:30a.m.-11:55a.m. MAN 233 BATEY T  
**ⓔ** Uses Alternative Educational Resources.

## Art & Design

#### ART& 100 ART APPRECIATION:DIV

**▽** 1110 A 5 T 1:30p.m.-3:30p.m. MAN 233 COOPER R  
Hybrid class; partially online.  
**▽** 1115 DE 5 ARR ARR ARR COOPER R  
Online class.

#### ART 101 BEGINNING DRAWING

0960 A 3 MW 10:00a.m.-12:40p.m. MAN 109 KOHLMEIER M  
Lab Fee: \$6.80 **ⓧ** Course is clustered with other class sections that meet at the same time, in the same classroom.

#### ART 102 INTERMEDIATE DRAWING

0970 A 3 MW 10:00a.m.-12:40p.m. MAN 109 KOHLMEIER M  
Lab Fee: \$6.80 **ⓧ** Course is clustered with other class sections that meet at the same time, in the same classroom.

#### ART 103 ADVANCED DRAWING

0980 A 3 MW 10:00a.m.-12:40p.m. MAN 109 KOHLMEIER M  
Lab Fee: \$6.80 **ⓧ** Course is clustered with other class sections that meet at the same time, in the same classroom.

#### ART 106 TWO-DIMENSIONAL DESIGN

0990 A 5 TTh 10:00a.m.-12:55p.m. MAN 109 KOHLMEIER M  
Lab Fee: \$6.80 **ⓧ** Course is clustered with other class sections that meet at the same time, in the same classroom.

#### ART 107 COLOR THEORY AND DESIGN

0995 A 5 TTh 1:00p.m.-3:55p.m. MAN 109 KOHLMEIER M  
Lab Fee: \$6.80 **ⓧ** Course is clustered with other class sections that meet at the same time, in the same classroom.

#### ART 108 THREE-DIMENSIONAL DESIGN

1000 A 5 TTh 1:00p.m.-3:55p.m. MAN 109 KOHLMEIER M  
Lab Fee: \$6.80 **ⓧ** Course is clustered with other class sections that meet at the same time, in the same classroom.

## Course # Course Name

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

**ART 111 BEGINNING PAINTING-ACRYLICS** **H,P**

1005 A	3	TTh	9:00a.m.-11:40a.m.	MAN 103	COOPER R
--------	---	-----	--------------------	---------	----------

Lab Fee: \$5.00 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

**ART 112 INTERMEDIATE PAINTING-ACRYLICS** **H,P**

1010 A	3	TTh	9:00a.m.-11:40a.m.	MAN 103	COOPER R
--------	---	-----	--------------------	---------	----------

Lab Fee: \$5.00 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

**ART 113 ADVANCED PAINTING-ACRYLICS** **H,P**

1015 A	3	TTh	9:00a.m.-11:40a.m.	MAN 103	COOPER R
--------	---	-----	--------------------	---------	----------

Lab Fee: \$5.00 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

**ART 155 BEGINNING DIGITAL PHOTO** **H,P**

1025 A	5	TTh	12:30p.m.-4:20p.m.	MAN 118	PIERSON M
--------	---	-----	--------------------	---------	-----------

Lab Fee: \$40.80 ☒ Uses Alternative Educational Resources.

**ART 162 DIGITAL FUNDAMENTALS FOR ART AND DESIGN**

1030 A	4	TTh	10:30a.m.-11:55a.m.	MAN 118	MYNHIER J
--------	---	-----	---------------------	---------	-----------

Basic computer skills required.  
Hybrid class; partially online.  
Lab Fee: \$26.10 ☒ Uses Alternative Educational Resources.

**ART 214 TYPOGRAPHY**

1032 A	4	MW	11:00a.m.-1:40p.m.	MAN 118	MYNHIER J
--------	---	----	--------------------	---------	-----------

Lab Fee: \$30.00

**ART 228 HISTORY OF WESTERN ART:DIV** **D,H**

1035 DE	5	ARR	ARR	ARR	MYNHIER J
---------	---	-----	-----	-----	-----------

Online class.

**ART 241 BEGINNING CERAMIC ART** **H,P**

1045 A	3	MW	1:00p.m.-3:40p.m.	MAN 104	WALLACE P
--------	---	----	-------------------	---------	-----------

Lab Fee: \$23.60 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom. ☒ Uses Alternative Educational Resources.

**ART 242 INTERMEDIATE CERAMIC ART** **H,P**

1055 A	3	MW	1:00p.m.-3:40p.m.	MAN 104	WALLACE P
--------	---	----	-------------------	---------	-----------

Lab Fee: \$32.00 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom. ☒ Uses Alternative Educational Resources.

**ART 243 ADVANCED CERAMIC ART** **H,P**

1065 A	3	MW	1:00p.m.-3:40p.m.	MAN 104	WALLACE P
--------	---	----	-------------------	---------	-----------

Lab Fee: \$32.00 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom. ☒ Uses Alternative Educational Resources.

**ART 290 ART STUDIO LAB-CERAMICS**

1085 MM1-3	ARR	ARR	ARR	WALLACE P
------------	-----	-----	-----	-----------

Instructor permission required to enroll.  
Lab Fee: \$32.00

**ART 295 INDEPENDENT STUDY-PHOTO**

1090 MM1-3	ARR	ARR	ARR	PIERSON M
------------	-----	-----	-----	-----------

Instructor permission required to enroll.  
Lab Fee: \$40.00

**ART 299 INDEPENDENT STUDY-ART**

1100 MM1-3	ARR	ARR	ARR	COOPER R
------------	-----	-----	-----	----------

Instructor permission required to enroll.  
Lab Fee: \$22.60

1105 MM1 1-3	ARR	ARR	ARR	KOHLMEIER M
--------------	-----	-----	-----	-------------

Instructor permission required to enroll.  
Lab Fee: \$22.60

**EVENING CLASSES****ART 101 BEGINNING DRAWING** **H,P**

0965 N	3	TTh	6:00p.m.-8:40p.m.	MAN 109	KOHLMEIER M
--------	---	-----	-------------------	---------	-------------

Lab Fee: \$6.80 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

**ART 102 INTERMEDIATE DRAWING** **H,P**

0975 N	3	TTh	6:00p.m.-8:40p.m.	MAN 109	KOHLMEIER M
--------	---	-----	-------------------	---------	-------------

Lab Fee: \$6.80 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

**ART 103 ADVANCED DRAWING** **H,P**

0985 N	3	TTh	6:00p.m.-8:40p.m.	MAN 109	KOHLMEIER M
--------	---	-----	-------------------	---------	-------------

Lab Fee: \$6.80 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

**ART 241 BEGINNING CERAMIC ART** **H,P**

1050 N	3	MW	6:00p.m.-8:40p.m.	MAN 104	WALLACE P
--------	---	----	-------------------	---------	-----------

Lab Fee: \$23.60 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom. ☒ Uses Alternative Educational Resources.

**ART 242 INTERMEDIATE CERAMIC ART** **H,P**

1060 N	3	MW	6:00p.m.-8:40p.m.	MAN 104	WALLACE P
--------	---	----	-------------------	---------	-----------

Lab Fee: \$32.00 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom. ☒ Uses Alternative Educational Resources.

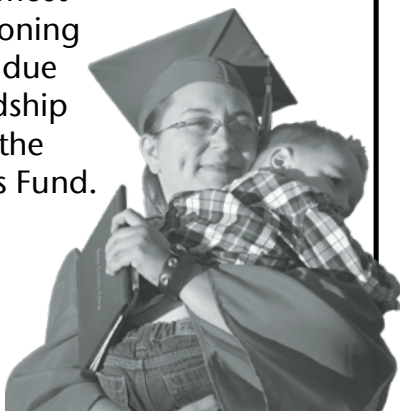
**ART 243 ADVANCED CERAMIC ART** **H,P**

1070 N	3	MW	6:00p.m.-8:40p.m.	MAN 104	WALLACE P
--------	---	----	-------------------	---------	-----------

Lab Fee: \$32.00 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom. ☒ Uses Alternative Educational Resources.

**You Can Make a Difference!**

Help a student most at risk of abandoning their education due to financial hardship by donating to the Student Success Fund.



**lowercolumbia.edu/foundation**  
or call 360.442.2130 to learn more

## Course # Course Name

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

## Automotive Technology

There is a fee of \$13.50 per student per quarter for all AMTC classes.

**AMTC 105 VEHICLE CLIMATE CONTROL**

0910 A	5	MT	1:00p.m.-3:30p.m.	DTV 233	ROESKE G
--------	---	----	-------------------	---------	----------

Prerequisite: AMTC 104 or instructor permission

**AMTC 124 AUTOMOTIVE ENGINES**

0915 A	15	MTWTh	7:30a.m.-12:00p.m.	DTV 232	KILE C
--------	----	-------	--------------------	---------	--------

**AMTC 207 COMPUTER ENGINE CONTROLS**

0925 A	15	MTWTh	7:30a.m.-12:00p.m.	DTV 233	ROESKE G
--------	----	-------	--------------------	---------	----------

Prerequisite: AMTC 104 or instructor permission

**AMTC 299 INDEPENDENT STUDY**

0940 MM	1-5	ARR	ARR	DTV 108	ROESKE G
---------	-----	-----	-----	---------	----------

Instructor permission required to enroll.

0945 MM	1-5	ARR	ARR	DTV 108	KILE C
---------	-----	-----	-----	---------	--------

Instructor permission required to enroll.

## Biology

**BIOL& 160 GENERAL BIOLOGY**

NSL

1165 A	5	MWF	11:15a.m.-12:30p.m.	HSB 123	MC CORMICK C
--------	---	-----	---------------------	---------	--------------

Students must also enroll in one of the lab sections, BIOL& 160 LA or LB. Students will not be allowed to enroll in the DE lab sections.  
Lab Fee: \$11.50 ☺ Uses Alternative Educational Resources.

1170 DE	5	ARR	ARR	ARR	MC CORMICK C
---------	---	-----	-----	-----	--------------

Students will also be enrolled in lab section BIOL& 160 DEA, #1185. Students will be required to purchase a Labster Access Code through the LCC Bookstore for the online lab portion of the course. Total cost: \$49.00.  
Online class. ☺ Uses Alternative Educational Resources.

1175 DE	1	5	ARR	ARR	ARR	PAEDES D
---------	---	---	-----	-----	-----	----------

Students will also be enrolled in lab section BIOL& 160 DEC, #1195. Students will be required to purchase a Labster Access Code through the LCC Bookstore for the online lab portion of the course. Total cost: \$49.00.  
Online class. ☺ Uses Alternative Educational Resources.

1180 DE	2	5	ARR	ARR	ARR	PAEDES D
---------	---	---	-----	-----	-----	----------

Students will also be enrolled in lab section BIOL& 160 DED, #1200. Students will be required to purchase a Labster Access Code through the LCC Bookstore for the online lab portion of the course. Total cost: \$49.00.  
Online class. ☺ Uses Alternative Educational Resources.

1172 DE	3	5	ARR	ARR	ARR	MC CORMICK C
---------	---	---	-----	-----	-----	--------------

Students will also be enrolled in lab section BIOL& 160 DEB, #1190. Students will be required to purchase a Labster Access Code through the LCC Bookstore for the online lab portion of the course. Total cost: \$49.00.  
Online class. ☺ Uses Alternative Educational Resources.

**BIOL& 160 GENERAL BIOLOGY—LAB**

1205 LA	0	F	9:00a.m.-10:50a.m.	HSB 304	MC CORMICK C
1210 LB	0	F	1:00p.m.-2:50p.m.	HSB 304	MC CORMICK C

1185 DE	A	0	ARR	ARR	ARR	MC CORMICK C
---------	---	---	-----	-----	-----	--------------

Online class.

1190 DE	B	0	ARR	ARR	ARR	MC CORMICK C
---------	---	---	-----	-----	-----	--------------

Online class.

1195 DE	C	0	ARR	ARR	ARR	PAEDES D
---------	---	---	-----	-----	-----	----------

Online class.

1200 DE	D	0	ARR	ARR	ARR	PAEDES D
---------	---	---	-----	-----	-----	----------

Online class.

**BIOL 179 HUMAN BIOLOGY & EXERCISE**

1135 A	5	MW	9:00a.m.-10:15a.m.	HSB 105	MYERS L
		MW	10:30a.m.-12:20p.m.	HSB 306	

Lab included. Lab Fee: \$27.00

**BIOL& 213 MAJORS BIOLOGY PLANT**

NSL

1220 A	5	TTh	1:00p.m.-2:15p.m.	HSB 105	LAPIERRE L
		TTh	2:30p.m.-4:20p.m.	HSB 304	

Lab included. Lab Fee: \$21.53 ☺ Uses Alternative Educational Resources.

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

NSL

1225 DE	5	ARR	ARR	ARR	MEYERS R
---------	---	-----	-----	-----	----------

Students must also enroll in lab section BIOL& 241 DEA or DEB. No textbook required for this course.  
Online class. ☺ Uses Alternative Educational Resources.

1230 DE	1	5	ARR	ARR	ARR	MYERS L
---------	---	---	-----	-----	-----	---------

Students must also enroll in lab section BIOL& 241 DEC. Free digital version of Openstax A&P book available in course upon enrollment.  
Online class. ☺ Uses Alternative Educational Resources.

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

1235 DE	A	0	ARR	ARR	ARR	MEYERS R
---------	---	---	-----	-----	-----	----------

Online class.

1240 DE	B	0	ARR	ARR	ARR	MEYERS R
---------	---	---	-----	-----	-----	----------

Online class.

1245 DE	C	0	ARR	ARR	ARR	MYERS L
---------	---	---	-----	-----	-----	---------

Online class.

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

NSL

1250 A	5	MWF	1:00p.m.-2:15p.m.	HSB 101	MEYERS R
--------	---	-----	-------------------	---------	----------

Prerequisite: BIOL& 241 with a C or better. Prerequisite waiver may be granted with appropriate documentation to the instructor. Students must enroll in one of the lab sections, LA, or LB. No textbook is required for this course.  
Lab Fee: \$21.53 ☺ Uses Alternative Educational Resources.

1255 DE	5	ARR	ARR	ARR	MYERS L
---------	---	-----	-----	-----	---------

Prerequisite: BIOL& 241 with a C or better. Prerequisite waiver may be granted with appropriate documentation to the instructor. No textbook is required. Students must also enroll in one of the lab sections, DEA or DEB.  
Online class. ☺ Uses Alternative Educational Resources.

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

1270 LA	0	F	10:00a.m.-11:50a.m.	HSB 306	MEYERS R
1275 LB	0	Th	1:00p.m.-2:50p.m.	HSB 306	STAFF

1260 DE	A	0	ARR	ARR	ARR	MYERS L
---------	---	---	-----	-----	-----	---------

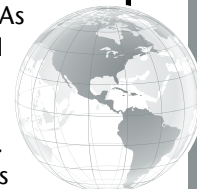
Online class.

1265 DE	B	0	ARR	ARR	ARR	MYERS L
---------	---	---	-----	-----	-----	---------

Online class.

### Host an International Student!

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





## Course # Course Name

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

**BIOL& 260 MICROBIOLOGY**

NSL

▽ 1280 A 5 TTh 1:30p.m.-2:45p.m. HSB 123 FULLER K  
Prerequisite: BIOL& 160 or BIOL& 211 with a grade of C or better or instructor permission. Students must enroll in one of these lab sections: BIOL& 260 LA or LB. Students will not be allowed to enroll in the DE lab sections.  
Lab Fee: \$26.90 ☉ Uses Alternative Educational Resources.

▽ 1285 DE 5 ARR ARR ARR FULLER K  
Students must also enroll in one of the lab sections: BIOL& 260 DEA, DEB, or DEC.  
Online class. Lab Fee: \$26.90 ☉ Uses Alternative Educational Resources.

**BIOL& 260 MICROBIOLOGY—LAB**

1310 LA 0 TTh 8:00a.m.-9:50a.m. HSB 302 FULLER K  
1315 LB 0 TTh 10:00a.m.-11:50a.m. HSB 302 FULLER K

▽ 1295 DEA 0 ARR ARR ARR FULLER K  
Online class.

▽ 1300 DEB 0 ARR ARR ARR FULLER K  
Online class.

**BIOL 298 SPECIAL TOPICS IN HUMAN PHYSIOLOGY**

1150 MM 2 ARR ARR ARR MEYERS R

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

NSL

▽ 1215 N 5 W 5:15p.m.-7:30p.m. HSB 304 MC CORMICK C  
Lab included. Lab Fee: \$11.50

Hybrid class; partially online. ☉ Uses Alternative Educational Resources.

**Business Administration****BUS 100 FOUNDATIONS OF BUSINESS SUCCESS**

SS

▽ 1570 A 5 MW 8:30a.m.-10:30a.m. AAR 105 GAITHER/RIJNHART  
Hybrid class; partially online. ☉ Uses Alternative Educational Resources.

**BUS& 101 INTRODUCTION TO BUSINESS**

SS

▽ 1685 A 5 T 11:00a.m.-1:00p.m. AAR 106 STUART M  
Hybrid class; partially online. ☉ Uses Alternative Educational Resources.

▽ 1690 DE 5 ARR ARR ARR STUART M  
Online class. ☉ Uses Alternative Educational Resources.

**BUS 104 BUSINESS MATH APPLICATIONS**

▽ 1575 A 5 MW 11:00a.m.-12:30p.m. AAR 106 CUMMINGS D  
Hybrid class; partially online.

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

D

▽ 1590 A 5 W 1:30p.m.-3:30p.m. AAR 104 ALLWINE T  
Hybrid class; partially online. ☉ Uses Alternative Educational Resources.

▽ 1595 DE 5 ARR ARR ARR ALLWINE T  
Online class. ☉ Uses Alternative Educational Resources.

**BUS 150 CUSTOMER SERVICE/MANAGEMENT**

▽ 1610 A 5 Th 1:30p.m.-2:55p.m. AAR 106 STUART M  
Hybrid class; partially online.

▽ 1615 DE 5 ARR ARR ARR STUART M  
Online class.

**BUS 159 PRINCIPLES OF RETAILING**

▽ 1620 DE 5 ARR ARR ARR STUART M  
Online class.

**BUS& 201 BUSINESS LAW**

SS

1710 A 5 TTh 1:30p.m.-3:45p.m. AAR 104 QUIRK A  
Prerequisite: ENGL& 101 or BUS 119 with a grade of C or better or instructor permission. ☉ Uses Alternative Educational Resources.

▽ 1715 DE 5 ARR ARR ARR QUIRK A  
Prerequisite: ENGL& 101 or BUS 119 with a grade of C or better or instructor permission.

Online class. ☉ Uses Alternative Educational Resources.

**BUS 206 STATISTICAL METHODS**

NS

1625 B 5 MWF 9:00a.m.-10:25a.m. MAN 146 HEBERT M

⊗ Course is cross-listed as BUS 206 and MATH 210.

1630 DE 5 ARR ARR ARR MALOZZI J

⊗ Course is cross-listed as BUS 206 and MATH 210.

1635 DE1 5 ARR ARR ARR HEBERT M

⊗ Course is cross-listed as BUS 206 and MATH 210.

1640 DE2 5 ARR ARR ARR SAMUELS S

⊗ Course is cross-listed as BUS 206 and MATH 210.

**BUS 245 PRINCIPLES OF MANAGEMENT**

▽ 1650 DE 5 ARR ARR ARR CUMMINGS D  
Online class. ☉ Uses Alternative Educational Resources.

**BUS 259 STARTING/MANAGING A SMALL BUSINESS**

▽ 1655 A 5 T 9:00a.m.-11:00a.m. VOC 116 ALLWINE T  
Class is face to face, on campus, with the option to attend online only.  
Hybrid class; partially online. ☉ Uses Alternative Educational Resources.

**BUS 270 INTRODUCTION TO PROJECT MANAGEMENT**

▽ 1660 A 5 T 11:00a.m.-1:00p.m. VOC 116 ALLWINE T  
Hybrid class; partially online. ☉ Uses Alternative Educational Resources.

**BUS 294 CAREER SUCCESS**

▽ 1675 A 2 Th 12:00p.m.-12:50p.m. AAR 105 BENNETT S  
Hybrid class; partially online. ⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

Receive Emergency Text Alerts from LCC  
**lowercolumbia.edu/alerts**



## Course # Course Name

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

# Business Technology

If you are enrolled in "P" section, please sign up for individual class orientations in the Business Technology Lab located in Applied Arts 110. You must attend an orientation for your class during the first week of the quarter. A syllabus and progress chart will be provided to you at that time. The BTEC Lab hours are Monday-Friday 9 a.m. to 3:45 p.m., testing is Monday-Thursday 9 a.m. to 2 p.m. and Friday 9 a.m. to 12 p.m. Students must have photo ID to use the computer labs. Unless otherwise noted, a computer lab fee is charged for BTEC Lab courses. Please contact the lab at 360.442.2710 if you have any questions.

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

### BTEC 100 COMPUTER KEYBOARDING

1330 P 1-3 ARR ARR AAR 110 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 104 INTRODUCTION TO BUSINESS TECHNOLOGY

▽ 1335 A 5 MW 1:00p.m.-3:00p.m. AAR 109E GAITHER M  
Hybrid class; partially online. Ⓢ Uses Alternative Educational Resources.

### BTEC 105 KEYBOARDING SPEED/ACCURACY BUILDING

1345 P 1-4 ARR ARR AAR 110 GAITHER M

This course is graded on a Pass/Fail basis only.

### BTEC 112 WORD PROCESSING II

▽ 1350 A 5 TTh 9:00a.m.-11:00a.m. AAR 105 GAITHER M  
Hybrid class; partially online.

### BTEC 130 ELECTRONIC CALCULATORS

1365 P 1-2 ARR ARR AAR 110 LEMMONS N

No computer lab fee.

### BTEC 131 INTRODUCTION TO SPREADSHEETS

▽ 1370 A 5 MW 9:00a.m.-10:25a.m. AAR 109E LEMMONS N  
Prerequisites: BTEC 104 or CS 110, MATH 089 or BUS 104, or instructor permission.  
Hybrid class; partially online.

### BTEC 132 ADVANCED SPREADSHEET APPLICATIONS

▽ 1380 DE 5 ARR ARR ARR LEMMONS N  
Online class.

### BTEC 144 ONENOTE FUNDAMENTALS

▽ 1390 P 1 ARR ARR AAR 110 LEMMONS N

### BTEC 145 INTRODUCTION TO MS WORD

▽ 1395 P 1-5 ARR ARR AAR 110 LEMMONS N

### BTEC 146 POWERPOINT FUNDAMENTALS

▽ 1400 P 1-2 ARR ARR AAR 110 LEMMONS N

### BTEC 147 INTRODUCTION TO DESKTOP PUBLISHING

▽ 1405 P 1-3 ARR ARR AAR 110 GAITHER M

### BTEC 148 INTRODUCTION TO OUTLOOK

▽ 1410 DE 2 ARR ARR ARR BENNETT S  
Online class.

### BTEC 149 INTERNET FUNDAMENTALS

▽ 1420 P 1 ARR ARR AAR 110 GAITHER M  
Ⓢ Uses Alternative Educational Resources.

### BTEC 150 INTRODUCTION TO GOOGLE APPS

▽ 1425 P 1-3 ARR ARR AAR 110 GAITHER M  
Ⓢ Uses Alternative Educational Resources.

### BTEC 155 WEBSITE MANAGEMENT

▽ 1430 P 3 ARR ARR AAR 110 GAITHER M  
Ⓢ Uses Alternative Educational Resources.

### BTEC 156 INTRODUCTION TO MS VISIO

▽ 1435 P 2 ARR ARR AAR 110 LEMMONS N

### BTEC 157 INTRODUCTION TO MS PROJECT

▽ 1440 P 2 ARR ARR AAR 110 LEMMONS N

### BTEC 164 LEGAL ASPECTS OF THE MEDICAL OFFICE

▽ 1450 P 1-2 ARR ARR AAR 110 LEMMONS N  
No computer lab fee.

### BTEC 165 CULTURAL AWARENESS FOR HEALTHCARE PROFESSIONALS

▽ 1455 A 5 TTh 1:00p.m.-3:00p.m. MAN 146 GAITHER M  
Hybrid class; partially online. Ⓢ Uses Alternative Educational Resources.

### BTEC 173 COMPUTERS IN THE MEDICAL OFFICE

▽ 1465 A 3 TTh 1:00p.m.-2:15p.m. AAR 109E MILLUS N  
▽ 1470 B 3 TTh 2:30p.m.-3:45p.m. AAR 109E MILLUS N

### BTEC 181 MEDICAL TERMINOLOGY I

▽ 1485 DE 3 ARR ARR ARR RUIZ D  
No computer lab fee.  
Online class.

### BTEC 182 MEDICAL TERMINOLOGY II

▽ 1495 DE 3 ARR ARR ARR RUIZ D  
No computer lab fee.  
Online class.

### BTEC 294 CAREER SUCCESS

▽ 1510 A 2 Th 12:00p.m.-12:50p.m. AAR 105 BENNETT S  
ⓧ Course is clustered with other class sections that meet at the same time, in the same classroom.  
Hybrid class; partially online.

## EVENING CLASSES

### BTEC 163 CPT CODING

▽ 1445 N 5 MW 5:30p.m.-7:30p.m. AAR 103 REIN J  
No computer lab fee.  
Hybrid class; partially online.

## Course # Course Name

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

## Chemical Dependency

**CDS 101 INTRODUCTION TO ADDICTIONS & CD**

1720 DE	5	ARR	ARR		ARR	WALTZ M
---------	---	-----	-----	--	-----	---------

Online class.

**EVENING CLASSES****CDS 107 ADOLESCENT DEVELOPMENT**

1725 N	3	FSa	5:30p.m.-8:00p.m.	HSB 104		WALTZ M
--------	---	-----	-------------------	---------	--	---------

Class meets Fridays April 12, 26, and May 10 from 5:30p.m.-8:00p.m., and Saturdays April 13, 27, and May 11 from 9:00a.m.-4:00p.m.

**CDS 110 ALCOHOL/DRUG PATHOPHYSIOLOGY AND PHARMACOLOGY**

1730 N	3	W	6:00p.m.-8:40p.m.	HSB 123		BOLERJACK J
--------	---	---	-------------------	---------	--	-------------

Prerequisite: CDS 101, 102, and 113 all with a grade of C or better.

**CDS 111 RECORDKEEPING AND CASE MANAGEMENT**

1735 N	3	M	5:15p.m.-7:45p.m.	HSB 105		HOPPIE B
--------	---	---	-------------------	---------	--	----------

Prerequisite: CDS 101, 102, and 113, all with a grade of C or better.

**CDS 201 DYNAMICS OF FAMILY & CDS**

1740 N	3	Th	5:15p.m.-7:45p.m.	HSB 104		CALIMAN J
--------	---	----	-------------------	---------	--	-----------

Prerequisite: CDS 101, 102, 113, and 215 with a C or better.

**CDS 220 CO-OCCURRING DISORDERS**

1750 N	3	T	5:30p.m.-8:00p.m.	HSB 107		BOLERJACK J
--------	---	---	-------------------	---------	--	-------------

Prerequisite: CDS 101, 102, and 113, all with a grade of C or better.

## Chemistry

**CHEM& 110 CHEMICAL CONCEPTS W/LAB**

NSL

1790 A	5	MWF	10:30a.m.-12:10p.m.	HSB 329		HERBELIN A
--------	---	-----	---------------------	---------	--	------------

Lab included. Lab Fee: \$15.00 ☉ Uses Alternative Educational Resources.

1795 DE	5	ARR	ARR	ARR		PECORE J
---------	---	-----	-----	-----	--	----------

Exams must be proctored for this course, using either the LCC testing center or the online option ProctorU, contact the instructor for more information. CHEM& 110 Lab costs \$25.00 ☉ Uses Alternative Educational Resources. Online class.

**CHEM& 121 INTRODUCTION TO CHEMISTRY**

NSL

1800 A	5	MW	10:00a.m.-11:00a.m.	HSB 123		MC CORMICK C
--------	---	----	---------------------	---------	--	--------------

Students must also enroll in CHEM& 121 LA or LB. Lab Fee: \$15.00 Hybrid class; partially online.

**CHEM& 121 INTRODUCTION TO CHEMISTRY—LAB**

1810 LA	0	Th	9:00a.m.-11:50a.m.	HSB 332		MC CORMICK C
1815 LB	0	Th	1:30p.m.-4:20p.m.	HSB 332		MC CORMICK C

**CHEM& 121 INTRODUCTION TO CHEMISTRY W/LAB**

NSL

1805 DE	5	ARR	ARR	ARR		PECORE J
---------	---	-----	-----	-----	--	----------

CHEM 121 DE includes a lab component which you must complete by using the SP-3005-CK-02 LabPaq. (\$100) Forming lab teams to share cost is encouraged. Details are on Canvas. Tests must be proctored. Online class. ☉ Uses Alternative Educational Resources.

**CHEM& 131 INTRODUCTION TO ORGANIC/BIOCHEMISTRY**

NSL

1820 A	5	MWF	11:00a.m.-12:00p.m.	HSB 106		WOLFER A
		W	2:30p.m.-5:20p.m.	HSB 332		

Lab included. Lab Fee: \$15.00 ☉ Uses Alternative Educational Resources.

**CHEM& 162 GENERAL CHEMISTRY W/LAB II**

NSL

1825 A	5	MWF	1:00p.m.-2:00p.m.	HSB 123		WOLFER A
--------	---	-----	-------------------	---------	--	----------

Students must also enroll in the lab section, CHEM& 162 LA. Lab Fee: \$26.90

**CHEM& 162 GENERAL CHEMISTRY—LAB**

1830 LA	0	M	2:30p.m.-5:20p.m.	HSB 332		WOLFER A
---------	---	---	-------------------	---------	--	----------

**CHEM& 163 GENERAL CHEMISTRY III**

NSL

1835 A	5	MWF	9:00a.m.-10:00a.m.	HSB 101		WOLFER A
--------	---	-----	--------------------	---------	--	----------

Students must also enroll for one of the lab sections, CHEM& 163 LA or LB. Lab Fee: \$26.90

**CHEM& 163 GENERAL CHEMISTRY III—LAB**

1840 LA	0	T	8:00a.m.-10:50a.m.	HSB 332		WOLFER A
1845 LB	0	T	1:00p.m.-3:50p.m.	HSB 332		WOLFER A

**CHEM& 263 ORGANIC CHEMISTRY W/LAB III**

NSL

1850 A	5	MWF	9:00a.m.-9:50a.m.	HSB 104		HERBELIN A
--------	---	-----	-------------------	---------	--	------------

Students must also enroll in CHEM& 263 LA. Lab Fee: \$26.90

**CHEM& 263 ORGANIC CHEMISTRY W/LAB III—LAB**

1855 LA	0	MW	2:30p.m.-4:20p.m.	HSB 329		HERBELIN A
---------	---	----	-------------------	---------	--	------------

**EVENING CLASSES****CHEM& 100 PREPARATORY CHEMISTRY**

1785 N	5	TTh	6:00p.m.-8:00p.m.	HSB 123		GERICK J
--------	---	-----	-------------------	---------	--	----------

## College Success

**COLL 101 FIRST YEAR SEMINAR I**

2205 A	2	MW	12:00p.m.-12:50p.m.	AAR 102		LEAVENS A
2210 DE	2	ARR	ARR	ARR		AKINS-FIELDS

Online class.

**COLL 102 FIRST YEAR SEMINAR II**

2220 A	2	TTh	1:00p.m.-1:50p.m.	VOC 112		ENGEL E
--------	---	-----	-------------------	---------	--	---------

Hybrid class; partially online.

## Communication Studies

**CMST 128 COMPETITIVE PUBLIC SPEAKING**

2110 A	2	MW	4:00p.m.-5:40p.m.	RCA 141		BREHM A
--------	---	----	-------------------	---------	--	---------

☉ Course is clustered with other class sections that meet at the same time, in the same classroom.

**CMST 138 INTERCOLLEGIATE DEBATE**

2115 A	2	MW	4:00p.m.-5:40p.m.	RCA 141		BREHM A
--------	---	----	-------------------	---------	--	---------

☉ Course is clustered with other class sections that meet at the same time, in the same classroom.

**CMST& 210 INTERPERSONAL COMMUNICATION**

H

2135 A	5	TTh	8:30a.m.-10:45a.m.	RCA 139		NEILL S
2140 DE	5	ARR	ARR	ARR		NEILL S

Online class.



## Course # Course Name

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

**CMST& 220 PUBLIC SPEAKING****H**

2145 A	5	MW	8:30a.m.-10:45a.m.	RCA 220	NEILL S
--------	---	----	--------------------	---------	---------

Uses Alternative Educational Resources.

2150 B	5	MW	11:00a.m.-1:15p.m.	RCA 220	NEILL S
--------	---	----	--------------------	---------	---------

Uses Alternative Educational Resources.

2155 C	5	TTh	8:30a.m.-10:45a.m.	RCA 220	BREHM A
--------	---	-----	--------------------	---------	---------

2160 DE	5	ARR	ARR	ARR	GORDON S
---------	---	-----	-----	-----	----------

This is an online course. You will be required to record your speeches in front of an audience you provide. Please contact the instructor for more information.

Online class. Uses Alternative Educational Resources.

2165 DE1	5	ARR	ARR	ARR	GORDON S
----------	---	-----	-----	-----	----------

This is an online course. You will be required to record your speeches in front of an audience you provide. Please contact the instructor for more information.

Online class. Uses Alternative Educational Resources.

2175 E	5	TTh	1:30p.m.-3:45p.m.	RCA 220	BREHM A
--------	---	-----	-------------------	---------	---------

**CMST 228 COMPETITIVE PUBLIC SPEAKING**

2120 A	2	MW	4:00p.m.-5:40p.m.	RCA 141	BREHM A
--------	---	----	-------------------	---------	---------

Course is clustered with other class sections that meet at the same time, in the same classroom.

**CMST& 230 SMALL GROUP COMMUNICATION****H**

2185 DE	5	ARR	ARR	ARR	GORDON S
---------	---	-----	-----	-----	----------

Online class.

**CMST 238 INTERCOLLEGIATE DEBATE**

2125 A	2	MW	4:00p.m.-5:40p.m.	RCA 141	BREHM A
--------	---	----	-------------------	---------	---------

Course is clustered with other class sections that meet at the same time, in the same classroom.

**CMST 240 RHETORICAL CRITICISM & POPULAR CULTURE:DIV****H,D**

2130 A	5	TTh	1:30p.m.-3:45p.m.	AAR 130	LEMIERE A
--------	---	-----	-------------------	---------	-----------

## Computer Science

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

**CS 110 INTRODUCTION TO MICROCOMPUTER APPLICATIONS**

2230 B	3	MWF	10:00a.m.-10:50a.m.	AAR 110C	BENNETT S
--------	---	-----	---------------------	----------	-----------

2235 C	3	TTh	11:00a.m.-12:15p.m.	AAR 110C	ROSI D
--------	---	-----	---------------------	----------	--------

2245 DE	3	ARR	ARR	ARR	ROSI D
---------	---	-----	-----	-----	--------

No computer lab fee.

Online class.

**CS 170 PROGRAMMING FUNDAMENTALS**

2265 A	5	MWF	10:30a.m.-12:10p.m.	AAR 105	DERKACHT D
--------	---	-----	---------------------	---------	------------

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

2267 B	5	MWF	1:30p.m.-3:10p.m.	AAR 105	DERKACHT D
--------	---	-----	-------------------	---------	------------

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

**CS 175 EVENT-DRIVEN PROGRAMMING**

2270 A	5	MWF	11:00a.m.-12:25p.m.	AAR 110C	ROSI D
--------	---	-----	---------------------	----------	--------

Prerequisite: CS 170.

Hybrid class; partially online.

**CS 280 ADVANCED DATA STRUCTURES**

2285 A	5	TTh	3:00p.m.-5:10p.m.	AAR 105	DERKACHT D
--------	---	-----	-------------------	---------	------------

**CS 285 PROGRAMMING TOOLS**

2290 MM	5	ARR	ARR	ARR	ROSI D
---------	---	-----	-----	-----	--------

Lab time will be set based on student schedules.

Hybrid class; partially online.

## 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 Career Connected Learning Coordinator. For information, contact Brian DelMar at 360.442.2610 or bdelmar@lowercolumbia.edu, or stop by the Corporate & Continuing Education Office, Don Talley Building, Room 105.

Cooperative Education students must attend a mandatory orientation. Orientations will be held by appointment only. Please contact Brian DelMar to make an appointment.

A \$14.30 lab fee will be charged for all 288 classes.

ACCT 288	0855	CJ 288	1880	IT 288	3705
ACCT 289	0860	CJ 289	1885	IT 289	3710
AH 288	0900	DHET 288	2360	LIBR 288	3755
AH 289	0905	DHET 289	2365	LIBR 289	3760
AMTC 288	0930	ECED 288	2445	MASP 288	3860
AMTC 289	0935	ECED 289	2450	MASP 289	3865
ART 288	1075	EDUC 288	2570	MATH 288	4105
ART 289	1080	EDUC 289	2575	MATH 289	4110
BIOL 288	1140	ENGR 288	2855	MEDA 288	4240
BIOL 289	1145	ENGR 289	2860	MEDA 289	4245
BUS 288	1665	ENVS 288	2895	MUSC 288	4640
BUS 289	1670	ENVS 289	2900	MUSC 289	4645
BTEC 288	1500	FISC 288	3000	PHED 288	5025
BTEC 289	1505	FISC 289	3005	PHED 289	5030
CDS 288	1755	HLTH 288	3155	PSYC 288	5175
CDS 289	1760	HLTH 289	3160	PSYC 289	5180
CHEM 288	1770	HDEV 289	3055	WELD 288	5685
CHEM 289	1775	ICP 288	3525	WELD 289	5690
CMST 288	5320	ICP 289	3530		
CMST 289	5325				

## Course # Course Name

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

## Criminal Justice

## CJ 185 COMMUNITY POLICING/RELATIONS

1870 A	5	TTh	1:30p.m.-3:45p.m.	HSB 106	HAMILTON A
--------	---	-----	-------------------	---------	------------

## EVENING CLASSES

## CJ 260 PHYSICAL EVIDENCE AND CRIMINALISTICS

1875 N	5	MW	6:00p.m.-8:15p.m.	MAN 235	GANN J
--------	---	----	-------------------	---------	--------

## Diesel/Heavy Equipment Technology

There is a fee of \$13.50 per student per quarter for all DHET classes.

## DHET 105 VEHICLE CLIMATE CONTROL

2295 A	5	WTh	1:00p.m.-3:30p.m.	DTV 233	ROESKE G
--------	---	-----	-------------------	---------	----------

Prerequisite: AMTC 104 or instructor permission.

## DHET 114 H.D. BRAKES AND CHASSIS

2325 A	15	MTWTh	7:30a.m.-11:55a.m.	DTV 106A	ECKLUND K
--------	----	-------	--------------------	----------	-----------

Prerequisite: MFG 105 and HLTH 105.

## DHET 220 HEAVY DUTY POWER TRAINS

2335 A	10	MTWTh	12:00p.m.-4:55p.m.	DTV 106A	DILLINGER J
--------	----	-------	--------------------	----------	-------------

Start Date: 04/08/19 End Date: 05/28/19

## DHET 228 COMMERCIAL DRIVING

2340 CE 4	ARR	ARR		DTV 201	DILLINGER J
-----------	-----	-----	--	---------	-------------

For details contact Heidi Hamer, 360.442.2603, hhmer@lowercolumbia.edu.

More information can be found in the Corporate & Continuing Education section of this schedule.

## DHET 229 COMMERCIAL TRUCK OPERATION

2345 CE 6	ARR	ARR		ARR	STAFF
-----------	-----	-----	--	-----	-------

## DHET 230 ADVANCED SHOP PRACTICES

2350 A	5	MTWTh	12:00p.m.-5:30p.m.	DTV 106A	DILLINGER J
--------	---	-------	--------------------	----------	-------------

Prerequisite: Completion of 60 DHET credits.

Start Date: 05/29/19 End Date: 06/13/19

## DHET 299 INDEPENDENT STUDY

2370 MM 2	ARR	ARR		ARR	ECKLUND K
2375 MM1 7	ARR	ARR		ARR	DILLINGER J

## Drama

## DRMA&amp; 101 INTRODUCTION TO THEATRE

2415 A	5	MWF	10:30a.m.-11:55a.m.	RCA 139	RICHARD B
--------	---	-----	---------------------	---------	-----------

Ⓢ Uses Alternative Educational Resources.

## DRMA 108 INTRODUCTION TO ACTING III

2380 A	5	MWF	12:00p.m.-1:25p.m.	RCA 139	RICHARD B
--------	---	-----	--------------------	---------	-----------

Ⓢ Course is clustered with other class sections that meet at the same time, in the same classroom. Ⓢ Uses Alternative Educational Resources.

## DRMA 116 STAGE CRAFTS I

2385 A	5	TTh	1:30p.m.-3:45p.m.	RCA 148	COCHRAN R
--------	---	-----	-------------------	---------	-----------

Ⓢ Course is clustered with other class sections that meet at the same time, in the same classroom. Ⓢ Uses Alternative Educational Resources.

## DRMA 117 STAGE CRAFTS II

2390 A	5	TTh	1:30p.m.-3:45p.m.	RCA 148	COCHRAN R
--------	---	-----	-------------------	---------	-----------

Ⓢ Course is clustered with other class sections that meet at the same time, in the same classroom. Ⓢ Uses Alternative Educational Resources.

## DRMA 118 STAGE CRAFTS III

2395 A	5	TTh	1:30p.m.-3:45p.m.	RCA 148	COCHRAN R
--------	---	-----	-------------------	---------	-----------

Ⓢ Course is clustered with other class sections that meet at the same time, in the same classroom. Ⓢ Uses Alternative Educational Resources.

## DRMA 208 ACTING III

2405 A	5	MWF	12:00p.m.-1:25p.m.	RCA 139	RICHARD B
--------	---	-----	--------------------	---------	-----------

Ⓢ Course is clustered with other class sections that meet at the same time, in the same classroom. Ⓢ Uses Alternative Educational Resources.

## EVENING CLASSES

## DRMA 198 REHEARSAL &amp; PERFORMANCE III

2400 N	1-5	ARR	4:00p.m.-7:30p.m.	RCA 131	RICHARD B
--------	-----	-----	-------------------	---------	-----------

Enrollment restricted to students in current production. Ⓢ Course is clustered with other class sections that meet at the same time, in the same classroom.

Ⓢ Uses Alternative Educational Resources.

## DRMA 298 REHEARSAL &amp; PERFORMANCE VI

2410 N	1-5	ARR	4:00p.m.-7:30p.m.	RCA 131	RICHARD B
--------	-----	-----	-------------------	---------	-----------

Enrollment restricted to students in current production. Ⓢ Course is clustered with other class sections that meet at the same time, in the same classroom.

Ⓢ Uses Alternative Educational Resources.

## Early Childhood Education

## ECED&amp; 100 CHILD CARE BASICS

2455 DE 3	ARR	ARR		ARR	JACKSON M
-----------	-----	-----	--	-----	-----------

Online class. Ⓢ Uses Alternative Educational Resources.

## ECED&amp; 107 HEALTH/SAFETY/NUTRITION

2470 A	5	ARR	ARR	ARR	ZBAEREN J
--------	---	-----	-----	-----	-----------

1st Aid/CPR will be held on Saturday, June 1, from 8:00a.m.-4:00p.m. in HSB 222B. Hybrid class; partially online.

## ECED&amp; 120 PRACTICUM-NURTURING RELATIONSHIPS

2480 A	2	M	4:00p.m.-5:00p.m.	SCI 102	JACKSON M
--------	---	---	-------------------	---------	-----------

A tuberculosis test is required prior to participation in practicum or clinical classes. This course requires 33 clinical hours-field experience.

## ECED&amp; 180 LANGUAGE &amp; LITERACY DEVELOPMENT

2510 A	3	T	6:00p.m.-8:30p.m.	SCI 102	JACKSON M
--------	---	---	-------------------	---------	-----------

Hybrid class; partially online.

## ECED&amp; 190 OBSERVATION/ASSESSMENT

2520 A	3	Th	12:00p.m.-1:30p.m.	SCI 102	ZBAEREN J
--------	---	----	--------------------	---------	-----------

Hybrid class; partially online.

## ECED 219 MATH, SCIENCE AND COMPUTERS IN ECED

2425 A	3	T	10:00a.m.-1:00p.m.	SCI 102	AKINS-FIELDS
--------	---	---	--------------------	---------	--------------

Hybrid class; partially online.

## ECED 263 PRACTICUM VI/PROFESSIONALISM

2435 A	3	M	12:00p.m.-1:00p.m.	SCI 102	WILLIAMSON A
--------	---	---	--------------------	---------	--------------

## Course # Course Name

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

## Earth Science

### ERSI 105 EARTH SYSTEMS

NSL

▽ 2905 DE1 5 ARR ARR ARR BARD E

Online class. Ⓢ Uses Alternative Educational Resources.

▽ 2910 DE2 5 ARR ARR ARR BARD E

Online class. Ⓢ Uses Alternative Educational Resources.

▽ 2915 DE3 5 ARR ARR ARR BARD E

Online class. Ⓢ Uses Alternative Educational Resources.

## Economics

### ECON 105 INTRODUCTION TO ECONOMICS

SS

▽ 2535 A 5 MTWTh 11:00a.m.-11:50a.m. MAN 146 FRANZ J

Hybrid class; partially online. Ⓢ Uses Alternative Educational Resources.

▽ 2540 DE 5 ARR ARR ARR FRANZ J

Online class. Ⓢ Uses Alternative Educational Resources.

### ECON& 201 MICRO ECONOMICS

SS

▽ 2545 A 5 TTh 9:00a.m.-10:25a.m. MAN 146 FRANZ J

Hybrid class; partially online. Ⓢ Uses Alternative Educational Resources.

### ECON& 202 MACRO ECONOMICS

SS

▽ 2550 DE 5 ARR ARR ARR FRANZ J

Online class. Ⓢ Uses Alternative Educational Resources.

## Education

### EDUC& 115 CHILD DEVELOPMENT

▽ 2580 DE 5 ARR ARR ARR ZBAEREN J

Online class.

### EDUC& 130 GUIDING BEHAVIOR

▽ 2590 A 3 T 3:00p.m.-5:00p.m. SCI 102 ZBAEREN J

Hybrid class; partially online.

### EDUC& 150 CHILD/FAMILY/COMMUNITY

▽ 2610 A 3 Th 3:00p.m.-5:00p.m. SCI 102 ZBAEREN J

Hybrid class; partially online.

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

▽ 2620 A 5 MW 9:00a.m.-10:30a.m. SCI 102 WILLIAMSON A

This class includes participation in actual elementary classrooms in addition to class meeting times.

Hybrid class; partially online.

## Engineering

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

### ENGR 106 ENGINEERING PROBLEMS

NS

2850 A 3 MF 1:30p.m.-4:00p.m. VOC 115

GERICK J

Lab Fee: \$47.30

### ENGR& 121 ENGINEERING GRAPHICS I

2865 A 1-3 MW 4:00p.m.-6:15p.m. VOC 113 ROGERS K

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

### ENGR& 122 ENGINEERING GRAPHICS II

2870 A 1-3 MW 4:00p.m.-6:15p.m. VOC 113 ROGERS K

Prerequisite: ENGR& 121 or instructor permission. ⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

### ENGR& 123 ENGINEERING GRAPHICS III

2875 A 1-3 MW 4:00p.m.-6:15p.m. VOC 113 ROGERS K

Prerequisite: ENGR& 122 or instructor permission. ⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

### ENGR& 225 MECHANICS OF MATERIALS

2885 A 5 MWF 7:30a.m.-8:55a.m. HSB 135 MORRISON D

### EVENING CLASSES

#### ENGR& 204 ELECTRICAL CIRCUITS

2877 N 6 TTh 5:15p.m.-9:15p.m. AAR 105 DERKACHT D

Prerequisite: PHYS 252, MATH& 153 and computer literacy.

Lab Fee: \$10.80

## English

### ENGL 096 READING WORKSHOP I

2630 MM 2 ARR ARR ARR LEACH M

### ENGL 098 COLLEGE READY ENGLISH I

▽ 2635 C 5 DAILY 9:00a.m.-9:50a.m. AAR 129 HAYNES J

▽ 2640 DE 5 ARR ARR ARR CONNOLLY B

Online class. Ⓢ Uses Alternative Educational Resources.

▽ 2645 F 5 DAILY 11:00a.m.-11:50a.m. AAR 129 HAYNES J

### ENGL 099 COLLEGE READY ENGLISH II

▽ 2655 A 5 DAILY 11:00a.m.-11:50a.m. AAR 128 RISTER M

▽ 2665 DE 5 ARR ARR ARR CONNOLLY B

Online class.

### ENGL& 101 ENGLISH COMPOSITION I

▽ 2750 A 5 MWF 10:30a.m.-11:55a.m. AAR 123 CONNOLLY B

▽ 2760 B 5 MWF 9:00a.m.-10:25a.m. AAR 123 CONNOLLY B

▽ 2765 C 5 MW 11:00a.m.-1:15p.m. VOC 111 NORWOOD K

Ⓢ Uses Alternative Educational Resources.

▽ 2775 DE 5 ARR ARR ARR LEAVENS A

Online class. Ⓢ Uses Alternative Educational Resources.

▽ 2780 DE1 5 ARR ARR ARR LEAVENS A

Online class. Ⓢ Uses Alternative Educational Resources.

▽ 2785 G 5 TTh 11:00a.m.-1:15p.m. AAR 123 NORWOOD K

Ⓢ Uses Alternative Educational Resources.

# Spring Events at Lower Columbia College



## ROSE CENTER FOR THE ARTS

### ART GALLERY

**Gail Owen**

**April 10 - May 2**

Opening Reception:  
April 9, 4-6 p.m.

...

**Student Art Show**

**May 29 - June 7**

Opening Reception:  
May 28, 4-6 p.m.

[lowercolumbia.edu/  
gallery](http://lowercolumbia.edu/gallery)

### THEATRE

***Proof***

by David Auburn

**May 24, 25, 30, 31  
June 1 at 7:30 p.m.**

**May 27 at 2:00 p.m.**

**June 2 at 11 a.m.**

Audition Dates  
March 13 & 14  
4-7 p.m.

**Center Stage  
Theatre**

[lowercolumbia.edu/aande](http://lowercolumbia.edu/aande)

### CONCERTS

**Jazz Band**

**June 4**

**Symphonic  
Band**

**June 7**

**Choir Concert**

**June 14**



**lcc music**

## 2019 Commencement Ceremony

**Friday, June 21, 2019 at Kelso High School's Schroeder Field**

Grad and guests, mark your calendars for LCC's 82nd Annual Commencement Ceremony scheduled for Friday, June 21, 2019. The ceremony will be held at Schroder Field, located at 1904 Allen Street in Kelso. The stadium opens for guest seating at 5:00 p.m.

Eligible students should apply for graduation by **April 30, 2019**.

Visit [lowercolumbia.edu/commencement](http://lowercolumbia.edu/commencement) or contact Registration at 360.442.2370 to learn more.



**#LCCGrad2019**

**#ClassOf2019**



## Take college courses (tuition-free!) while in high school

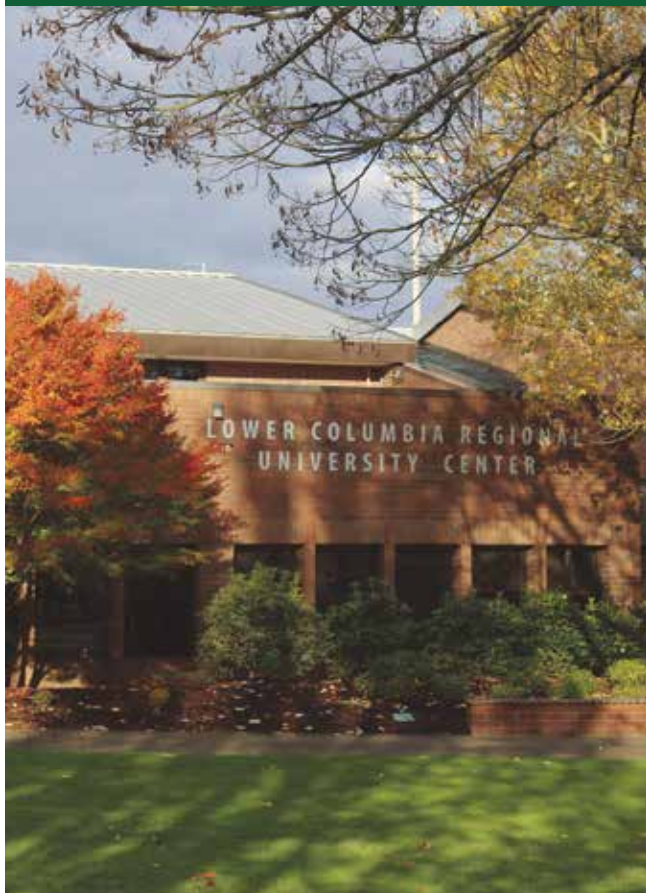
**Running Start** is a statewide program—authorized by the Washington State Legislature—that allows high school juniors and seniors to attend LCC tuition free. Students can attend both their high school and LCC, or just LCC. Students receive both high school and college credit for classes completed at the college. College credits are paid for by the high school.

The decision to enroll in Running Start is made by students and their families.\* Students coordinate with their high school advisors to ensure the classes they're taking fulfill high school graduation requirements. Students can participate in sports and other activities at their high schools while in Running Start.

Students in Running Start are responsible for mandatory fees, books and transportation to the campus. Many classes are available online as well as on campus.

Learn more at [lowercolumbia.edu/running-start](http://lowercolumbia.edu/running-start) or call 360.442.2442.

\* Please see [lowercolumbia.edu/running-start](http://lowercolumbia.edu/running-start) for program eligibility requirements.



## Don't let **DISTANCE** keep you from earning your **BACHELOR'S DEGREE** or Graduate

Earn your bachelor's or graduate degree through the Lower Columbia Regional University Center without leaving home. Dozens of degree options are available through a number of university partners. Flexible scheduling is available to help you balance work and family commitments while pursuing the degree that's right for you.

Learn more at [lowercolumbia.edu/u-center](http://lowercolumbia.edu/u-center) or call 360.353.7800.

## Course # Course Name

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

**ENGL& 102 COMPOSITION II**

2795 A	5	TTh	8:30a.m.-10:45a.m.	AAR 123	BAUER H	
2800 B	5	MW	8:30a.m.-10:45a.m.	AAR 130	HULL K	
2805 C	5	MWF	9:00a.m.-10:25a.m.	AAR 128	RISTER M	
Ⓢ Uses Alternative Educational Resources.						
2810 DE1	5	ARR		ARR	MCCARTHY D	
Online class. Ⓢ Uses Alternative Educational Resources.						
2815 DE2	5	ARR		ARR	MCCARTHY D	
Online class. Ⓢ Uses Alternative Educational Resources.						
2825 DE3	5	ARR		ARR	LEMIERE A	
Online class. Ⓢ Uses Alternative Educational Resources.						
2820 F	5	MW	11:00a.m.-1:15p.m.	AAR 130	HULL K	
2830 H	5	TTh	1:30p.m.-3:45p.m.	AAR 110C	DIGERLANDO N	
Ⓢ Uses Alternative Educational Resources.						

**ENGL 106 NW VOICES CREATIVE WRITING**

H,P

2685 A	2	W	11:00a.m.-12:40p.m.	MAN 149	BAUER H
--------	---	---	---------------------	---------	---------

**ENGL 110 INDUSTRIAL COMMUNICATION**

2690 A	5	MW	1:30p.m.-3:45p.m.	AAR 128	DIGERLANDO N
--------	---	----	-------------------	---------	--------------

**ENGL 126 ARTS MAGAZINE PUBLICATION III**

H,P

2700 A	2	F	1:00p.m.-3:00p.m.	MAN 118	LEMIERE A
--------	---	---	-------------------	---------	-----------

Students must arrange one additional hour lab time per week. Ⓢ Course is clustered with other class sections that meet at the same time, in the same classroom. Ⓢ Uses Alternative Educational Resources.

**ENGL 221 TEACH/TUTOR WRITING I**

2705 MM	1-5	ARR		ARR	HAYNES J
---------	-----	-----	--	-----	----------

Ⓢ Course is clustered with other class sections that meet at the same time, in the same classroom.

**ENGL 222 TEACH/TUTOR WRITING II**

2710 MM	1-5	ARR		ARR	HAYNES J
---------	-----	-----	--	-----	----------

Ⓢ Course is clustered with other class sections that meet at the same time, in the same classroom.

**ENGL 226 ARTS MAGAZINE PUBLICATION VI**

H,P

2715 A	2	F	1:00p.m.-3:00p.m.	MAN 118	LEMIERE A
--------	---	---	-------------------	---------	-----------

Students must arrange one additional hour lab time per week. Ⓢ Course is clustered with other class sections that meet at the same time, in the same classroom. Ⓢ Uses Alternative Educational Resources.

**ENGL 231 CREATIVE WRITING**

H

2720 A	5	TTh	11:00a.m.-1:15p.m.	AAR 130	HULL K
--------	---	-----	--------------------	---------	--------

Ⓢ Course is clustered with other class sections that meet at the same time, in the same classroom.

**ENGL 232 CREATIVE WRITING**

H

2725 A	5	TTh	11:00a.m.-1:15p.m.	AAR 130	HULL K
--------	---	-----	--------------------	---------	--------

Ⓢ Course is clustered with other class sections that meet at the same time, in the same classroom.

**ENGL 233 CREATIVE WRITING**

H

2730 A	5	TTh	11:00a.m.-1:15p.m.	AAR 130	HULL K
--------	---	-----	--------------------	---------	--------

Ⓢ Course is clustered with other class sections that meet at the same time, in the same classroom.

**ENGL& 235 TECHNICAL WRITING**

H

2835 DE	5	ARR		ARR	HAYNES J
---------	---	-----	--	-----	----------

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

**ENGL& 244 AMERICAN LITERATURE I**

H

2840 A	5	MWF	9:00a.m.-10:25a.m.	MAN 233	BAUER H
--------	---	-----	--------------------	---------	---------

**ENGL& 245 CONTEMPORARY LITERATURE:DIV**

H,D

2842 A	5	MW	11:00a.m.-1:15p.m.	MAN 119	DIGERLANDO N
--------	---	----	--------------------	---------	--------------

**ENGL 270 LITERATURE FOR CHILDREN**

H

2740 DE1	5	ARR		ARR	MCCARTHY D
----------	---	-----	--	-----	------------

Online class.

2745 DE2	5	ARR		ARR	MCCARTHY D
----------	---	-----	--	-----	------------

Online class.

**EVENING CLASSES****ENGL& 101 ENGLISH COMPOSITION I**

2790 N	5	T	5:15p.m.-7:20p.m.	AAR 129	RISTER M
--------	---	---	-------------------	---------	----------

Hybrid class; partially online. Ⓢ Uses Alternative Educational Resources.

**Environmental Science****ENVS 215 ENVIRONMENTAL ISSUES & APPLICATIONS**

NSL

2890 A	5	W	12:00p.m.-3:00p.m.	HSB 135	LAPIERRE L
--------	---	---	--------------------	---------	------------

Hybrid class; partially online.  
Lab Fee: \$15.00 Ⓢ Uses Alternative Educational Resources.

**Geology****GEOL 118 HISTORICAL GEOLOGY**

NSL

3010 A	5	MW	12:00p.m.-1:15p.m.	HSB 139	SALISBURY M
		TTh	11:30a.m.-1:20p.m.	HSB 139	

Lab included. Lab Fee: \$15.00

**GEOL& 208 GEOLOGY OF PACIFIC NW**

NSL

3015 A	5	MW	2:00p.m.-3:15p.m.	HSB 139	SALISBURY M
		TTh	2:00p.m.-3:50p.m.	HSB 139	

Lab included. Lab Fee: \$12.30

**Health**

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

**HLTH 100 OCCUPATIONAL SAFETY AND HEALTH**

3125 A	3	Sa	8:00a.m.-5:00p.m.	HSB 222B	JOHNSON B
--------	---	----	-------------------	----------	-----------

Classes will be held on April 13, 27, May 4, and May 11, 2019.

3135 HB	3	ARR		ARR	JOHNSON B
---------	---	-----	--	-----	-----------

The 1st Aid/CPR session is scheduled for Saturday, April 20, 2019 from 8 a.m. to 5 p.m. in HSB 222B with additional instruction in Canvas.  
Hybrid class; partially online.

**HLTH 105 FIRST AID/CPR/BLOOD BORNE PATHOGENS**

3145 A	1	F	3:00p.m.-4:50p.m.	HSB 222B	JOHNSON B
--------	---	---	-------------------	----------	-----------

Classes will be held on Fridays, April 12, 19, 26, May 3, 10, and 17, 2019.

**HLTH 106 HEALTH AND WELLNESS**

3150 DE	2	ARR		ARR	ROSS E
---------	---	-----	--	-----	--------

Online class.

## Course # Course Name

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

## History

**HIST& 128 WORLD CIVILIZATIONS III:DIV**
**SS,D**

▽ 3080 A	5	MWF	10:30a.m.-11:55a.m.	MAN 145	SHAH C
----------	---	-----	---------------------	---------	--------

**HIST& 136 US HISTORY 1**
**SS**

▽ 3090 A	5	T	12:00p.m.-2:00p.m.	MAN 145	STAFF
----------	---	---	--------------------	---------	-------

Hybrid class; partially online.

▽ 3100 DE	5	ARR	ARR	ARR	VAUGHN C
-----------	---	-----	-----	-----	----------

Online class.

**HIST& 137 US HISTORY 2**

▽ 3105 A	5	MWF	1:30p.m.-2:55p.m.	MAN 234	SHAH C
----------	---	-----	-------------------	---------	--------

▽ 3115 DE	5	ARR	ARR	ARR	SHAH C
-----------	---	-----	-----	-----	--------

Online class.

▽ 3120 DE1	5	ARR	ARR	ARR	SYRDAL D
------------	---	-----	-----	-----	----------

Online class.

**HIST 205 HISTORY OF EAST ASIA:DIV**
**SS,D**

▽ 3065 DE	5	ARR	ARR	ARR	VAUGHN C
-----------	---	-----	-----	-----	----------

Online class.

## Humanities

**HUM 106 COMMUNITY CONVERSATIONS**

▽ 3470 A	1	Th	12:00p.m.-12:50p.m.	HSB 101	SHAH C
----------	---	----	---------------------	---------	--------

Topic - TBD

**HUM 107 HOW TO SEE A PLAY**
**H**

▽ 3475 A	1	ARR	ARR	ARR	RICHARD B
----------	---	-----	-----	-----	-----------

Contact instructor at brichard@lowercolumbia.edu for the class meeting dates.

Class typically meets for the Thursday evening performance of the current

production.

Hybrid class; partially online. © Uses Alternative Educational Resources.

**HUM& 118 HUMANITIES III**
**H**

▽ 3520 A	5	MWF	1:30p.m.-2:55p.m.	MAN 119	LEACH M
----------	---	-----	-------------------	---------	---------

**HUM 150 ETHICS AND POLICY IN HEALTHCARE I**

▽ 3480 A	1	M	1:00p.m.-3:00p.m.	HSB 221	HAMER J
----------	---	---	-------------------	---------	---------

Instructor permission required to enroll. Restricted to Nursing students.

Hybrid class; partially online.

**HUM 164 CULTURAL JOURNEYS:DIV**

▽ 3482 A	5	MWF	1:30p.m.-2:55p.m.	VOC 112	BAUER H
----------	---	-----	-------------------	---------	---------

**HUM 210 MYTH AND RITES:DIV**
**D,H**

▽ 3485 A	5	TTh	1:30p.m.-3:45p.m.	MAN 147	LEACH M
----------	---	-----	-------------------	---------	---------

▽ 3490 DE	5	ARR	ARR	ARR	LEACH M
-----------	---	-----	-----	-----	---------

Online class.

**HUM 250 ETHICS AND POLICY IN HEALTHCARE II**

▽ 3500 DE	2	ARR	ARR	ARR	STAFFORD K
-----------	---	-----	-----	-----	------------

Instructor permission required to enroll. Restricted to Nursing students.

Online class.

▽ 3502 DE1	2	ARR	ARR	ARR	STAFFORD K
------------	---	-----	-----	-----	------------

Instructor permission required to enroll. Restricted to Nursing students.

Online class.

**HUM 251 ETHICS AND POLICY IN HEALTHCARE III**

▽ 3505 A	2	F	ARR	HSB 222B	WARD A
----------	---	---	-----	----------	--------

Instructor permission required to enroll. Restricted to Nursing students.

Hybrid class; partially online. © Uses Alternative Educational Resources.

**HUM 255 ETHICS AND POLICY IN HEALTHCARE**

▽ 3515 MM1-	3	ARR	ARR	ARR	NORTON T
-------------	---	-----	-----	-----	----------

Instructor permission required to enroll. Restricted to Nursing students.

Hybrid class; partially online. © Uses Alternative Educational Resources.

Online class.

## Information Technology

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

Information Technology classes.

**IT 100 IT FUNDAMENTALS**

▽ 3675 A	5	Th	11:00a.m.-1:00p.m.	VOC 119	RIJNHART S
----------	---	----	--------------------	---------	------------

Students must log into class prior to first Thursday.

Hybrid class; partially online.

**IT 142 PC TECHNICIAN II**

▽ 3686 A	4	MW	2:00p.m.-3:00p.m.	VOC 119	RIJNHART S
----------	---	----	-------------------	---------	------------

Hybrid class; partially online.

**IT 220 INTRODUCTION TO CLOUD COMPUTING**

▽ 3691 A	3	TTh	1:30p.m.-3:10p.m.	VOC 119	RIJNHART S
----------	---	-----	-------------------	---------	------------

**IT 235 INTRODUCTION TO BIG DATA**

▽ 3696 A	5	MW	1:30p.m.-3:10p.m.	AAR 103	ROSI D
----------	---	----	-------------------	---------	--------

**IT 260 INFO TECH SECURITY**

▽ 3700 A	5	TTh	9:00a.m.-11:00a.m.	VOC 117	ROSI D
----------	---	-----	--------------------	---------	--------

Hybrid class; partially online.

## Machine Trades

There is a fee of \$3.00 per credit for all MASP classes.

**MASP 107 MACHINING/RELATED OCCUPATIONS**

3765 A	2-6	DAILY	8:00a.m.-11:00a.m.	VOC 114	SHEPHERD N
--------	-----	-------	--------------------	---------	------------

Note: This course may be taken for 2-6 credits only. Students will arrange class

schedule with instructor on 1st day of quarter. ☒ Course is clustered with other

class sections that meet at the same time, in the same classroom.

**MASP 111 MACHINE SHOP I**

3775 A	2-10	DAILY	8:00a.m.-11:00a.m.	VOC 114	SHEPHERD N
--------	------	-------	--------------------	---------	------------

Note: This course may be taken for 2-10 credits only. Students will arrange class

schedule with instructor on 1st day of quarter. ☒ Course is clustered with other

class sections that meet at the same time, in the same classroom.

**MASP 112 MACHINE SHOP II**

3795 A	2-10	DAILY	8:00a.m.-11:00a.m.	VOC 114	SHEPHERD N
--------	------	-------	--------------------	---------	------------

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

Note: This course may be taken for 2-10 credits only. Students will arrange class

schedule with instructor on 1st day of quarter. ☒ Course is clustered with other

class sections that meet at the same time, in the same classroom.

**MASP 113 MACHINE SHOP III**

3810 A	2-10	DAILY	8:00a.m.-11:00a.m.	VOC 114	SHEPHERD N
--------	------	-------	--------------------	---------	------------

Prerequisite: 10 credits of MASP 112.

Note: This course may be taken for 2-10 credits only. Students will arrange class

schedule with instructor on 1st day of quarter. ☒ Course is clustered with other

class sections that meet at the same time, in the same classroom.

## Course # Course Name

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

**MASP 204 CNC MACHINING CENTER FUNDAMENTALS**

3835 MK 3 ARR ARR ARR TODD K

Please contact the instructor at 360.442.2745 or ktodd@lowercolumbia.edu for more information.

**MASP 205 CNC TURNING CENTER FUNDAMENTALS**

3840 MK 3 ARR ARR ARR TODD K

Please contact the instructor at 360.442.2745 or ktodd@lowercolumbia.edu for more information.

**MASP 221 CNC MILLING**

3845 A 2-10 DAILY 8:00a.m.-11:00a.m. VOC 114 TODD K

Prerequisite: MASP 204.

Note: This course may be taken for 2-10 credits only. Students will arrange class schedule with instructor on 1st day of quarter. ⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

**MASP 222 CNC TURNING**

3850 A 2-10 DAILY 8:00a.m.-11:00a.m. VOC 114 TODD K

Prerequisite: MASP 205

Note: This course may be taken for 2-10 credits only. Students will arrange class schedule with instructor on 1st day of quarter. ⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

**MASP 223 ADVANCED CNC PROCESSES**

3855 A 2-10 DAILY 8:00a.m.-11:00a.m. VOC 114 TODD K

Prerequisite: MASP 221 or MASP 222.

Note: This course may be taken for 2-10 credits only. Students will arrange class schedule with instructor on 1st day of quarter. ⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

**EVENING CLASSES****MASP 107 MACHINING/RELATED OCCUPATIONS**

3770 N 2 W 6:00p.m.-9:00p.m. VOC 114 SHEPHERD N

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

**MASP 111 MACHINE SHOP I**

3790 N 2 W 6:00p.m.-9:00p.m. VOC 114 SHEPHERD N

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

**MASP 112 MACHINE SHOP II**

3805 N 2 W 6:00p.m.-9:00p.m. VOC 114 SHEPHERD N

Prerequisite: 10 credits of MASP 107 and/or MASP 111. ⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

**MASP 113 MACHINE SHOP III**

3820 N 2 W 6:00p.m.-9:00p.m. VOC 114 SHEPHERD N

Prerequisite: 10 credits of MASP 112. ⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

**Manufacturing****MFG 100 FOUNDATION SKILLS TRADES**

4411 A 3 MW 3:00p.m.-4:15p.m. VOC 111 SHEPHERD N

**MFG 105 INDUSTRIAL SAFETY**

4412 A 3 TTh 2:00p.m.-3:15p.m. HSB 107 MACK B

**MFG 120 QUALITY ASSURANCE**

4280 A 4 TTh 3:30p.m.-5:10p.m. VOC 112 JOINER T

**MFG 230 CIM**

4285 A 4 TTh 1:00p.m.-3:30p.m. VOC 113 TODD K

Computer lab fee will be charged.

Lab Fee: \$27.10

**MATH BOOT CAMP**

Save time, money and stress when you attend a Math Boot Camp. You can save up to \$573.95 if you test just one class higher! Best of all, it is FREE!

At the boot camp you will:

- Review important math concepts
- Learn test-taking strategies
- Discuss tips to overcoming math anxiety
- Learn about My Math Lab

Registration is required. Register online at [lowercolumbia.edu/math-boot-camp](http://lowercolumbia.edu/math-boot-camp), call 360.442.2353, or sign up in person at the Testing Office in the Admissions Center.

**Single Evening Session**

**March 19, 5-8 p.m.**

**June 17, 5-8 p.m.**

**Try out our FREE online math placement prep course created by our LCC faculty**

YouPrep reviews whole numbers, integers, decimals, fractions, linear equations and graphs, systems of equations, factoring, quadratics, radicals, and rationals. YouPrep users who achieve at least 3 hours of online practice will receive a 3rd retest!

Sign up for an account today at  
[lowercolumbia.edu/YouPrep](http://lowercolumbia.edu/YouPrep)  
 or call 360.442.2353



## Course # Course Name

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

## Mathematics

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.

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

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

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

### Pre-College Math

#### MATH 050 REVIEW MATH-WHOLE NUMBER

▽ 3890 P	1	ARR	ARR		AAR 110	MAC
----------	---	-----	-----	--	---------	-----

Hybrid class; partially online.

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

3900 and 3901 C	DAILY	9:00a.m.-9:50a.m.		AAR 102	STAFF
▽ 3905 and 3925 DE	ARR	ARR		ARR	MAC

Online class.

3910 and 3912 G	DAILY	11:00a.m.-11:50a.m.		AAR 102	SKEIE M
▽ 3915 and 3940 P	ARR	ARR		AAR 110	MAC

Hybrid class; partially online.

#### MATH 087/097 ESSENTIAL PRE-COLLEGE MATH II—6 Credits

3950 and 3951 I	MWF	8:00a.m.-8:50a.m.	HSB 104	SAMUELS S
	TTh	8:00a.m.-10:15a.m.	HSB 104	
3955 and 3956 V	MWF	11:00a.m.-11:50a.m.	HSB 104	BREWSTER H
	Th	11:00a.m.-1:15p.m.	HSB 104	

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

▽ 3960 and 3975 DE	ARR	ARR	ARR	MAC
--------------------	-----	-----	-----	-----

Online class.

3965 and 3966 J	DAILY	9:00a.m.-9:50a.m.	VOC 111	SWEE R
3967 and 3968 K	DAILY	1:00p.m.-1:50p.m.	HSB 107	BENJAMIN B
▽ 3970 and 3985 P	ARR	ARR	AAR 110	MAC

Hybrid class; partially online.

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

▽ 4005 and 4025 DE	ARR	ARR	ARR	MAC
--------------------	-----	-----	-----	-----

Online class.

▽ 4010 and 4030 P	ARR	ARR	AAR 110	MAC
-------------------	-----	-----	---------	-----

Hybrid class; partially online.

4015 and 4016 S	DAILY	8:00a.m.-8:50a.m.	VOC 111	SWEE R
4020 and 4021 T	DAILY	10:00a.m.-10:50a.m.	VOC 112	MALOZZI J

### College-Level Math

#### MATH 105 MATH FOR HEALTH SCIENCES

4045 A	5	MWF	12:00p.m.-12:50p.m.	VOC 112	SWEE R
--------	---	-----	---------------------	---------	--------

#### MATH 106 INDUSTRIAL MATH

4055 A	5	DAILY	1:00p.m.-1:50p.m.	AAR 102	SKEIE M
--------	---	-------	-------------------	---------	---------

#### MATH& 107 MATH IN SOCIETY

4135 A	5	MWF	9:00a.m.-10:25a.m.	PSC 102	SAMUELS S
--------	---	-----	--------------------	---------	-----------

Prerequisite: MATH 099 with a grade of C or better.  
 ☉ Uses Alternative Educational Resources.

▽ 4140 B	5	TTh	1:30p.m.-3:45p.m.	HSB 104	BREWSTER H
----------	---	-----	-------------------	---------	------------

Prerequisite: MATH 099 with a grade of C or better.

▽ 4145 DE	5	ARR	ARR	ARR	BENJAMIN B
-----------	---	-----	-----	-----	------------

Prerequisite: MATH 099 with a grade of C or better.  
 Online class. ☉ Uses Alternative Educational Resources.

#### MATH& 141 PRECALCULUS I

4150 A	5	MWF	9:00a.m.-10:25a.m.	PSC 104	BREWSTER H
--------	---	-----	--------------------	---------	------------

#### MATH& 142 PRECALCULUS II

4160 A	5	MWF	10:30a.m.-11:55a.m.	HSB 107	HEBERT M
--------	---	-----	---------------------	---------	----------

#### MATH& 148 BUSINESS CALCULUS

▽ 4165 DE	5	ARR	ARR	ARR	MALOZZI J
-----------	---	-----	-----	-----	-----------

Online class.

#### MATH& 152 CALCULUS II

4170 A	5	DAILY	11:30a.m.-12:20p.m.	HSB 105	BENJAMIN B
--------	---	-------	---------------------	---------	------------

#### MATH& 153 CALCULUS III

4175 A	5	DAILY	11:30a.m.-12:20p.m.	PSC 104	MALOZZI J
--------	---	-------	---------------------	---------	-----------

#### MATH 210 ELEMENTS OF STATISTICS

4075 B	5	MWF	9:00a.m.-10:25a.m.	MAN 146	HEBERT M
--------	---	-----	--------------------	---------	----------

⊗ Course is cross-listed as BUS 206 and MATH 210.

▽ 4080 DE	5	ARR	ARR	ARR	MALOZZI J
-----------	---	-----	-----	-----	-----------

Online class. ⊗ Course is cross-listed as BUS 206 and MATH 210.

▽ 4085 DE1	5	ARR	ARR	ARR	HEBERT M
------------	---	-----	-----	-----	----------

Online class. ⊗ Course is cross-listed as BUS 206 and MATH 210.

▽ 4090 DE2	5	ARR	ARR	ARR	SAMUELS S
------------	---	-----	-----	-----	-----------

Online class. ⊗ Course is cross-listed as BUS 206 and MATH 210.

#### MATH 220 LINEAR ALGEBRA

4100 A	5	DAILY	12:30p.m.-1:20p.m.	PSC 104	DRAUS D
--------	---	-------	--------------------	---------	---------

☉ Uses Alternative Educational Resources.

## Course # Course Name

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

## Medical Assisting

**MEDA 101 MEDICAL VOCABULARY I**

4180 A	3	MW	2:00p.m.-3:15p.m.	HSB 244	ENGEL E
--------	---	----	-------------------	---------	---------

**MEDA 102 MEDICAL VOCABULARY II**

4190 A	3	MW	3:45p.m.-5:00p.m.	HSB 244	ENGEL E
--------	---	----	-------------------	---------	---------

Prerequisites: MEDA 101 or equivalent, or instructor permission.

**MEDA 145 MEDICAL LAB TECHNIQUES**

4200 A	6	TTh	8:00a.m.-9:40a.m.	HSB 244	SOLADEY V
--------	---	-----	-------------------	---------	-----------

Students must also enroll for one of the lab sections, MEDA 145 LA or LB.

Instructor permission to enroll. Restricted to MEDA students.

Lab Fee: \$35.60

**MEDA 145 MEDICAL LAB TECHNIQUES—LAB**

4210 LA	0	TTh	10:00a.m.-11:40a.m.	HSB 244	SOLADEY V
---------	---	-----	---------------------	---------	-----------

4215 LB	0	TTh	12:00p.m.-1:40p.m.	HSB 244	SOLADEY V
---------	---	-----	--------------------	---------	-----------

**MEDA 165 MEDICATIONS IN MEDICAL ASSISTING & DISEASES**

4220 A	5	MW	8:00a.m.-9:15a.m.	HSB 244	SOLADEY V
--------	---	----	-------------------	---------	-----------

Students must also enroll for one of the lab sections, MEDA 165 LA or LB.

Instructor permission to enroll. Restricted to MEDA students.

Lab Fee: \$35.60

**MEDA 165 MEDICATIONS IN MEDICAL ASSISTING & DISEASES—LAB**

4230 LA	0	MW	10:00a.m.-11:40a.m.	HSB 244	SOLADEY V
---------	---	----	---------------------	---------	-----------

4235 LB	0	MW	12:00p.m.-1:40p.m.	HSB 244	SOLADEY V
---------	---	----	--------------------	---------	-----------

## Music

**MUSC 100 FUNDAMENTALS OF MUSIC**

H

4290 A	5	Th	11:00a.m.-1:15p.m.	RCA 102	DAVIS R
--------	---	----	--------------------	---------	---------

Hybrid class; partially online. ☉ Uses Alternative Educational Resources.

**MUSC 103 THEORY/MUSICIANSHIP III**

H

4295 A	5	MWF	10:00a.m.-11:25a.m.	RCA 218	DAVIS R
--------	---	-----	---------------------	---------	---------

Concurrent enrollment in MUSC 113 required. Instructor permission required.

**MUSC& 105 MUSIC APPRECIATION**

H

4650 DE	5	ARR	ARR	ARR	CHALLED G
---------	---	-----	-----	-----	-----------

Online class. ☉ Uses Alternative Educational Resources.

**MUSC 106 KEYBOARD SKILLS I**

H

4300 A	1	Th	1:30p.m.-3:00p.m.	RCA 221	DAVIS R
--------	---	----	-------------------	---------	---------

Instructor permission required to enroll.

Hybrid class; partially online. ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

**MUSC 107 KEYBOARD SKILLS II**

H

4305 A	1	Th	1:30p.m.-3:00p.m.	RCA 221	DAVIS R
--------	---	----	-------------------	---------	---------

Instructor permission required to enroll.

Hybrid class; partially online. ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

**MUSC 108 KEYBOARD SKILLS III**

H

4310 A	1	Th	1:30p.m.-3:00p.m.	RCA 221	DAVIS R
--------	---	----	-------------------	---------	---------

Instructor permission required to enroll.

Hybrid class; partially online. ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

**MUSC 113 EAR TRAINING III**

4315 A	1	MW	11:25a.m.-11:50a.m.	RCA 218	DAVIS R
--------	---	----	---------------------	---------	---------

Instructor permission required to enroll.

**MUSC 115 GROUP PIANO INSTRUCTION**

4320 A	2	Th	1:30p.m.-3:00p.m.	RCA 221	DAVIS R
--------	---	----	-------------------	---------	---------

Hybrid class; partially online. ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

☉ Uses Alternative Educational Resources.

**MUSC 117 MUSIC CULTURES WORLD:DIV**

D,H

4325 DE	5	ARR	ARR	ARR	HARBAUGH K
---------	---	-----	-----	-----	------------

Online class.

**MUSC 123 CONCERT CHOIR III**

4345 A	2	MWF	12:00p.m.-12:50p.m.	RCA 102	CHALLED G
--------	---	-----	---------------------	---------	-----------

Instructor permission required to enroll. ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

Lab Fee: \$8.40

**MUSC 131 BEGINNING GUITAR**

4355 A	2	TTh	3:30p.m.-4:20p.m.	RCA 102	HARBAUGH K
--------	---	-----	-------------------	---------	------------

Guitars are provided for student use. Students will be allowed to take guitars home for practice.

Hybrid class; partially online. ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

**MUSC 132 INTERMEDIATE GUITAR**

4360 A	2	TTh	3:30p.m.-4:20p.m.	RCA 102	HARBAUGH K
--------	---	-----	-------------------	---------	------------

Guitars are provided for student use. Students will be allowed to take guitars home for practice.

Hybrid class; partially online. ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

**MUSC 133 ADVANCED GUITAR**

4365 A	2	TTh	3:30p.m.-4:20p.m.	RCA 102	HARBAUGH K
--------	---	-----	-------------------	---------	------------

Guitars are provided for student use. Students will be allowed to take guitars home for practice.

Hybrid class; partially online. ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

**MUSC 145 BEGINNING VOICE**

H

4375 DE	2	ARR	ARR	ARR	CHALLED G
---------	---	-----	-----	-----	-----------

Online class. ☉ Uses Alternative Educational Resources.

**MUSC 153 BELLA VOCE CHOIR III**

H,P

4395 A	2	MWF	1:00p.m.-1:50p.m.	RCA 102	CHALLED G
--------	---	-----	-------------------	---------	-----------

Instructor permission required to enroll.

Lab Fee: \$8.40

## Course # Course Name

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

**MUSC 178 INDIVIDUAL INSTRUCTION****H,P**

.5-1 credit	AAR	AAR			RCA 223	STAFF
4400 A	Flute	4440 I	Tuba	4480 P	Bass	
4405 B	Oboe	4445 J	Percussion	▽ 4485 R	Vocal	
4410 C	Clarinet	4450 J1	Percussion	▽ 4490 R1	Vocal	
4415 D	Saxophone	4455 K	Guitar	▽ 4495 R2	Vocal	
4420 E	Bassoon	4460 L	Piano	▽ 4500 R3	Vocal	
4425 F	Trumpet	4465 M	Violin	▽ 4505 R4	Vocal	
4430 G	French Horn	4470 N	Viola	▽ 4510 R5	Vocal	
4435 H	Trombone	4475 O	Cello			

Private music lessons are available in piano, brass, guitar, percussion, string, and voice. A fee of \$500 per credit is collected for this course in addition to tuition.

**MUSC 223 CONCERT CHOIR VI****H,P**

▽ 4535 A	2	MWF	12:00p.m.-12:50p.m.	RCA 102	CHALLED G
----------	---	-----	---------------------	---------	-----------

Instructor permission required to enroll.  
Lab Fee: \$8.40

**MUSC 253 BELLA VOCE CHOIR VI****H,P**

▽ 4550 A	2	MWF	1:00p.m.-1:50p.m.	RCA 102	CHALLED G
----------	---	-----	-------------------	---------	-----------

Instructor permission required to enroll.  
Lab Fee: \$8.40

**MUSC 278 INDIVIDUAL INSTRUCTION****H,P**

.5-1 credit	AAR	AAR			RCA 223	STAFF
4555 A	Flute	4585 G	French Horn	4615 M	Violin	
4560 B	Oboe	4590 H	Trombone	4620 N	Viola	
4565 C	Clarinet	4595 I	Tuba	4625 O	Cello	
4570 D	Saxophone	4600 J	Percussion	4630 P	Bass	
4575 E	Bassoon	4605 K	Guitar	▽ 4635 R	Vocal	
4580 F	Trumpet	4610 L	Piano			

Private music lessons are available in piano, brass, guitar, percussion, string, and voice. A fee of \$500 per credit is collected for this course in addition to tuition.  
Prerequisite: MUSC 176, 177, 178.

**EVENING CLASSES****MUSC 130 JAZZ ENSEMBLE****H,P**

4350 N	2	T	7:00p.m.-9:00p.m.	RCA 102	MEAGHER R
--------	---	---	-------------------	---------	-----------

Lab Fee: \$8.40

**MUSC 150 SYMPHONIC BAND****H,P**

▽ 4380 N	2	Th	7:00p.m.-9:00p.m.	RCA 102	DAVIS R
----------	---	----	-------------------	---------	---------

Instructor permission required to enroll.  
Lab Fee: \$8.40

**Nursing**

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

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

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

**EVENING CLASSES****NURS 090 NURSING ASSISTANT**

▽ 4680 NA	8	MTWTh	2:00p.m.-5:00p.m.	HSB 248	MACLAREN A
-----------	---	-------	-------------------	---------	------------

See Bev Ylen in HSB 202 to enroll. Students must also enroll for lab section.  
Lab Fee: \$52.60

**NURS 090 NURSING ASSISTANT—LAB**

▽ 4665 LA	0	ARR	ARR	HSB 249	MACLAREN A
-----------	---	-----	-----	---------	------------

See Bev Ylen in HSB 202 to enroll.

▽ 4675 LB	0	ARR	ARR	HSB 249	BOULTINGHOUSE
-----------	---	-----	-----	---------	---------------

See Bev Ylen in HSB 202 to enroll.

# Ride Free with LCC Student ID!



for more info go to  
[lowercolumbia.edu/bus](http://lowercolumbia.edu/bus)

## Course # Course Name

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

## Nutrition

## NUTR&amp; 101 NUTRITION

NS

4860 A	5	MW	9:30a.m.-10:45a.m.	GYM 212	KOOIMAN J
--------	---	----	--------------------	---------	-----------

 Hybrid class; partially online.

4865 B	5	MW	11:00a.m.-12:15p.m.	GYM 212	KOOIMAN J
--------	---	----	---------------------	---------	-----------

 Hybrid class; partially online.

4870 DE1	5	ARR	ARR	ARR	KOOIMAN J
----------	---	-----	-----	-----	-----------

 Online class.

4875 DE2	5	ARR	ARR	ARR	ROSS E
----------	---	-----	-----	-----	--------

 Online class. ☉ Uses Alternative Educational Resources.

4880 DE3	5	ARR	ARR	ARR	ROSS E
----------	---	-----	-----	-----	--------

 Online class. ☉ Uses Alternative Educational Resources.

4885 DE4	5	ARR	ARR	ARR	ROSS E
----------	---	-----	-----	-----	--------

 Online class. ☉ Uses Alternative Educational Resources.

4890 DE5	5	ARR	ARR	ARR	KOOIMAN J
----------	---	-----	-----	-----	-----------

 Online class.

4892 DE6	5	ARR	ARR	ARR	MICHAEL S
----------	---	-----	-----	-----	-----------

 Online class. ☉ Uses Alternative Educational Resources.

## EVENING CLASSES

## NUTR&amp; 101 NUTRITION

NS

4855 N	5	TTh	6:00p.m.-7:15p.m.	GYM 212	MICHAEL S
--------	---	-----	-------------------	---------	-----------

 Hybrid class; partially online. ☉ Uses Alternative Educational Resources.

## Oceanography

## OCEA&amp; 101 INTRODUCTION TO OCEANOGRAPHY

NSL

4895 DE	5	ARR	ARR	ARR	KHANDRO L
---------	---	-----	-----	-----	-----------

 Lab included.  
Online class.

## Philosophy

## PHIL&amp; 101 INTRODUCTION TO PHILOSOPHY

H

5045 A	5	MWF	9:00a.m.-10:25a.m.	MAN 145	LEACH M
--------	---	-----	--------------------	---------	---------

5047 DE	5	ARR	ARR	ARR	MARBUT T
---------	---	-----	-----	-----	----------

 Online class.

## Physical Education

A \$8.10 fee is charged for each Physical Education class.

## PHED 104 BEGINNING PILATES &amp; STRETCH

A

4925 A	1	TTh	9:00a.m.-9:50a.m.	GYM 210	SKERBECK C
--------	---	-----	-------------------	---------	------------

 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

## PHED 105 PILATES &amp; YOGA-BEGINNING

A

4930 A	1	TTh	8:00a.m.-8:50a.m.	GYM 210	SKERBECK C
--------	---	-----	-------------------	---------	------------

 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

## PHED 106 YOGA FOR BEGINNERS

A

4935 A	1	MW	1:00p.m.-1:50p.m.	GYM 210	SKERBECK C
--------	---	----	-------------------	---------	------------

## PHED 120 CROSS TRAINING

A

4940 A	2	MW	11:00a.m.-11:50a.m.	GYM 210	ROSS E
--------	---	----	---------------------	---------	--------

 Hybrid class; partially online. ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

## PHED 128 WEIGHT TRAINING

A

4945 A	1-2	MW	9:00a.m.-9:50a.m.	GYM 113	MC MULLAN E
--------	-----	----	-------------------	---------	-------------

 Hybrid class; partially online. ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

## PHED 147 APPLIED FASTPITCH SOFTBALL-WOMEN

4955 A	2	ARR	ARR	GYM	FULLER T
--------	---	-----	-----	-----	----------

 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

## PHED 152 PERSONALIZED FITNESS

A

4960 DE	1-2	ARR	ARR	ARR	ROSS E
---------	-----	-----	-----	-----	--------

 Students must log into canvas for class instructions and syllabus.  
Online class. ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

4965 DE1	1-2	ARR	ARR	ARR	ROSS E
----------	-----	-----	-----	-----	--------

 Students must log into canvas for class instructions and syllabus.  
Online class. ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

## PHED 162 APPLIED BASEBALL

4975 A	2	ARR	ARR	GYM	LANE E
--------	---	-----	-----	-----	--------

 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

## PHED 204 INTERMEDIATE PILATES &amp; STRETCH

A

4985 A	1	TTh	9:00a.m.-9:50a.m.	GYM 210	SKERBECK C
--------	---	-----	-------------------	---------	------------

 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

## PHED 205 PILATES &amp; YOGA-INTERMEDIATE

A

4990 A	1	TTh	8:00a.m.-8:50a.m.	GYM 210	SKERBECK C
--------	---	-----	-------------------	---------	------------

 ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

## PHED 220 CROSS TRAINING

A

4995 A	2	MW	11:00a.m.-11:50a.m.	GYM 210	ROSS E
--------	---	----	---------------------	---------	--------

 Hybrid class; partially online. ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.

## PHED 228 WEIGHT TRAINING

A

5000 A	1-2	MW	9:00a.m.-9:50a.m.	GYM 113	MC MULLAN E
--------	-----	----	-------------------	---------	-------------

 Hybrid class; partially online. ☒ Course is clustered with other class sections that meet at the same time, in the same classroom.



## Course # Course Name

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

**PHED 247 APPLIED FASTPITCH SOFTBALL-WOMEN**

5005 A	2	ARR	ARR		GYM	FULLER T
--------	---	-----	-----	--	-----	----------

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

**PHED 252 PERSONALIZED FITNESS**

5010 DE	1-2	ARR	ARR		ARR	ROSS E
---------	-----	-----	-----	--	-----	--------

Students must log into canvas for class instructions and syllabus.

Online class. ⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

5015 DE1	1-2	ARR	ARR		ARR	ROSS E
----------	-----	-----	-----	--	-----	--------

Students must log into canvas for class instructions and syllabus.

Online class. ⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

**PHED 262 APPLIED BASEBALL**

5020 A	2	ARR	ARR		GYM	LANE E
--------	---	-----	-----	--	-----	--------

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

**PHED 295 PERSONAL TRAINING INSTRUCTION**

5035 A	3	MW		1:00p.m.-2:20p.m.	GYM 212	MC MULLAN E
--------	---	----	--	-------------------	---------	-------------

**PHED 296 GROUP EXERCISE INSTRUCTION**

5040 A	3	TTh		10:00a.m.-11:20a.m.	GYM 210	ROSS E
--------	---	-----	--	---------------------	---------	--------

**EVENING CLASSES****PHED 171 ATHLETIC CARE AND INJURY PREVENTION**

4980 N	3	M		6:00p.m.-9:15p.m.	HSB 106	EARNST E
--------	---	---	--	-------------------	---------	----------

Lab Fee: \$19.90

**Physics****PHYS& 100 PHYSICS: NON-SCIENCE MAJOR**

5050 A	5	MWF		1:00p.m.-2:15p.m.	HSB 137	LIVINS P
--------	---	-----	--	-------------------	---------	----------

Lab included. Lab Fee: \$15.00

**PHYS& 116 GENERAL PHYSICS III**

5055 A	5	MWThF		8:00a.m.-8:50a.m.	HSB 137	LIVINS P
--------	---	-------	--	-------------------	---------	----------

Students must also enroll in one of the lab sections, PHYS 116 LA, LB, or LC.

Lab Fee: \$15.00

**PHYS& 116 GENERAL PHYSICS III—LAB**

5060 LA	0	T		9:00a.m.-10:40a.m.	HSB 137	LIVINS P
5065 LB	0	T		11:00a.m.-12:40p.m.	HSB 137	LIVINS P
5070 LC	0	ARR	ARR		HSB 137	LIVINS P

**PHYS& 223 ENGINEERING PHYSICS III**

5075 A	5	MWF		10:00a.m.-11:15a.m.	HSB 137	LIVINS P
--------	---	-----	--	---------------------	---------	----------

Students must also enroll in one of the lab sections, PHYS 223 LA, LB, or LC.

Lab Fee: \$15.00

**PHYS& 223 ENGINEERING PHYSICS III—LAB**

5080 LA	0	T		1:30p.m.-3:10p.m.	HSB 137	LIVINS P
5085 LB	0	Th		1:30p.m.-3:10p.m.	HSB 137	LIVINS P
5090 LC	0	ARR	ARR		HSB 137	LIVINS P

**Political Science****POLS& 101 INTRODUCTION POLITICAL SCIENCE**

5137 A	5	TTh		1:00p.m.-3:15p.m.	MAN 119	MOSSER J
--------	---	-----	--	-------------------	---------	----------

**POLS& 202 AMERICAN GOVERNMENT**

5115 A	5	TTh		8:30a.m.-10:45a.m.	MAN 145	MOSSER J
--------	---	-----	--	--------------------	---------	----------

5110 DE	5	ARR	ARR		ARR	VAUGHN C
---------	---	-----	-----	--	-----	----------

**POLS& 203 INTERNATIONAL RELATIONS**

5125 A	5	MW		1:00p.m.-3:15p.m.	AAR 106	MOSSER J
--------	---	----	--	-------------------	---------	----------

5130 B	5	MW		8:30a.m.-10:45a.m.	MAN 119	MOSSER J
--------	---	----	--	--------------------	---------	----------

**POLS 220 LAW AND SOCIAL ISSUES**

5105 A	5	MWF		1:30p.m.-2:55p.m.	MAN 145	QUIRK A
--------	---	-----	--	-------------------	---------	---------

**Process Manufacturing****EVENING CLASSES****PMFG 202 ELECTRIC MOTORS**

5095 N	2	W		6:00p.m.-7:40p.m.	VOC 112	JOINER T
--------	---	---	--	-------------------	---------	----------

**PMFG 210 ADVANCED INDUSTRIAL MAINTENANCE**

5100 N	5	TTh		6:00p.m.-8:10p.m.	VOC 112	JOINER T
--------	---	-----	--	-------------------	---------	----------

**Psychology****PSYC& 100 GENERAL PSYCHOLOGY**

5190 A	5	MW		11:00a.m.-1:15p.m.	MAN 234	WEAVER N
--------	---	----	--	--------------------	---------	----------

⊗ Uses Alternative Educational Resources.

5195 B	5	MW		8:30a.m.-10:45a.m.	HSB 106	STRAYER M
--------	---	----	--	--------------------	---------	-----------

⊗ Uses Alternative Educational Resources.

5200 C	5	MW		1:00p.m.-3:15p.m.	MAN 235	STRAYER M
--------	---	----	--	-------------------	---------	-----------

⊗ Uses Alternative Educational Resources.

5205 DE	5	ARR	ARR		ARR	TUCKER J
---------	---	-----	-----	--	-----	----------

Online class.

5210 DE1	5	ARR	ARR		ARR	TUCKER J
----------	---	-----	-----	--	-----	----------

Online class.

**PSYC 150 PSYCHOSOCIAL ISSUES IN HEALTH CARE I**

5145 DE	2	ARR	ARR		ARR	NORTON T
---------	---	-----	-----	--	-----	----------

Instructor permission required to enroll. Restricted to Nursing students.

**PSYC 198 SPECIAL TOPICS IN GENERAL PSYCHOLOGY**

5150 MM	1	ARR	ARR		ARR	CROMWELL L
---------	---	-----	-----	--	-----	------------

Instructor permission required to enroll. Restricted to students majoring in Nursing who require an additional credit of PSYC& 100.

Online class.

**PSYC& 200 LIFESPAN PSYCHOLOGY**

5220 A	5	TTh		8:30a.m.-10:45a.m.	MAN 233	STRAYER M
--------	---	-----	--	--------------------	---------	-----------

5225 DE	5	ARR	ARR		ARR	STAFF
---------	---	-----	-----	--	-----	-------

Online class.

5230 DE1	5	ARR	ARR		ARR	STAFF
----------	---	-----	-----	--	-----	-------

Online class.

## Course # Course Name

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

**PSYC 250 PSYCHOSOCIAL ISSUES IN HEALTH CARE II SS**

5160 A	3	MTh	12:00p.m.-2:00p.m.	HSB 248	NORTON T
--------	---	-----	--------------------	---------	----------

Instructor permission required to enroll. Restricted to Nursing students.  
Start Date: 04/15/19 End Date: 05/24/19

**PSYC 255 PSYCHOSOCIAL ISSUES IN HEALTH CARE SS**

5170 MM	2	ARR	ARR	ARR	NORTON T
---------	---	-----	-----	-----	----------

Instructor permission required to enroll. Restricted to Nursing students.  
Online class.

**PSYC 298 SPECIAL TOPICS IN LIFESPAN PSYCHOLOGY SS**

5185 MM	1	ARR	ARR	ARR	CROMWELL L
---------	---	-----	-----	-----	------------

Instructor permission required to enroll. Restricted to students majoring in Nursing who require an additional credit of PSYC& 200.  
Online class.

**EVENING CLASSES****PSYC& 100 GENERAL PSYCHOLOGY SS**

5215 N	5	T	5:30p.m.-7:30p.m.	HSB 104	TUCKER J
--------	---	---	-------------------	---------	----------

Hybrid class; partially online.

**Sociology****SOC& 101 INTRODUCTION TO SOCIOLOGY:DIV D,SS**

5255 A	5	MW	8:30a.m.-10:45a.m.	MAN 234	WEAVER N
--------	---	----	--------------------	---------	----------

© Uses Alternative Educational Resources.

5260 B	5	MW	1:30p.m.-3:45p.m.	MAN 233	BATEY T
--------	---	----	-------------------	---------	---------

© Uses Alternative Educational Resources.

5265 C	5	TTh	8:30a.m.-10:45a.m.	MAN 234	WEAVER N
--------	---	-----	--------------------	---------	----------

© Uses Alternative Educational Resources.

5270 DE	5	ARR	ARR	ARR	TATE J
---------	---	-----	-----	-----	--------

Online class.

5275 DE1	5	ARR	ARR	ARR	TATE J
----------	---	-----	-----	-----	--------

Online class.

**Spanish**

All DE sections are online, using Vistas and email communication with the instructor.

After registering, students must contact Alex Emerson at aemerson@lowercolumbia.edu.

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

**SPAN& 121 SPANISH I:DIV D,H**

5280 A	5	DAILY	8:00a.m.-8:50a.m.	AAR 104	EMERSON A
5285 B	5	DAILY	9:00a.m.-9:50a.m.	AAR 104	EMERSON A
5290 DE	5	ARR	ARR	ARR	EMERSON A

**SPAN& 122 SPANISH II:DIV D,H**

5295 DE	5	ARR	ARR	ARR	EMERSON A
---------	---	-----	-----	-----	-----------

Regular study sessions available.

**SPAN& 123 SPANISH III:DIV D,H**

5300 DE	5	ARR	ARR	ARR	EMERSON A
---------	---	-----	-----	-----	-----------

Regular study sessions available.

**SPAN& 221 SPANISH IV H**

5305 DE	5	ARR	ARR	ARR	EMERSON A
---------	---	-----	-----	-----	-----------

**SPAN& 222 SPANISH V H**

5310 DE	5	ARR	ARR	ARR	EMERSON A
---------	---	-----	-----	-----	-----------

**SPAN& 223 SPANISH VI H**

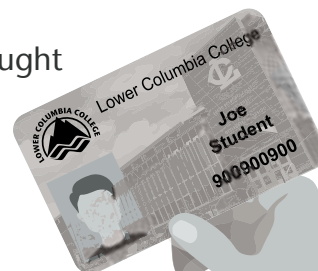
5315 DE	5	ARR	ARR	ARR	EMERSON A
---------	---	-----	-----	-----	-----------

**Technology****TECH 100 ADVANCED PRINCIPLE/TECHNOLOGY**

5330 A	5	TTh	1:30p.m.-3:45p.m.	VOC 115	GERICK J
--------	---	-----	-------------------	---------	----------

## LCC Students, are you aware of the benefits of carrying a current LCC Student ID card?

- Access to the LCC Food Pantry, Food For Thought
- Ride the bus for free
- Participation in campus events and activities
- Check out materials from the LCC Library
- Discounts from select local businesses



**Pick up or renew your LCC Student ID  
at the Bookstore during normal business hours!**

## Course # Course Name

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

# Welding Technology

A \$12.50 per-credit fee to a maximum of \$125.00 is charged for each welding class.

### WELD 060 WABO EXAM PREPARATION

5335 MM1-6 ARR ARR VOC 161 BYRUM R

### WELD 105 RELATED WELDING I

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

5420 A 1-6 DAILY 8:00a.m.-11:00a.m. VOC 161 BYRUM/PITTSLEY  
5430 B 1-6 MWF 1:00p.m.-4:00p.m. VOC 161 BYRUM/PITTSLEY

### WELD 154 INTRODUCTION TO OXY-ACETYLENE

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

▽ 5450 A 1-6 DAILY 8:00a.m.-11:00a.m. VOC 161 BYRUM/PITTSLEY  
▽ 5460 B 1-6 MWF 1:00p.m.-4:00p.m. VOC 161 BYRUM/PITTSLEY

### WELD 155 INTRODUCTION TO ARC WELDING

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

▽ 5485 A 1-10 DAILY 8:00a.m.-11:00a.m. VOC 161 BYRUM/PITTSLEY  
▽ 5495 B 1-6 MWF 1:00p.m.-4:00p.m. VOC 161 BYRUM/PITTSLEY

### WELD 221 WIRE MACHINE

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

▽ 5525 A 1-10 DAILY 8:00a.m.-11:00a.m. VOC 161 BYRUM/PITTSLEY  
▽ 5535 B 1-6 MWF 1:00p.m.-4:00p.m. VOC 161 BYRUM/PITTSLEY

### WELD 222 ADVANCED WIRE MACHINE

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

▽ 5560 A 1-6 MWF 8:00a.m.-11:00a.m. VOC 161 BYRUM/PITTSLEY  
▽ 5570 B 1-6 MWF 1:00p.m.-4:00p.m. VOC 161 BYRUM/PITTSLEY

### WELD 254 ARC WELDING

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

▽ 5590 A 1-10 DAILY 8:00a.m.-11:00a.m. VOC 161 BYRUM/PITTSLEY  
▽ 5600 B 1-6 MWF 1:00p.m.-4:00p.m. VOC 161 BYRUM/PITTSLEY

### WELD 255 ADVANCED WELDING PROCESSES

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

▽ 5625 A 1-10 DAILY 8:00a.m.-11:00a.m. VOC 161 BYRUM/PITTSLEY  
▽ 5635 B 1-6 MWF 1:00p.m.-4:00p.m. VOC 161 BYRUM/PITTSLEY

### WELD 256 ADVANCED WELDING APPLICATION

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

▽ 5655 A 1-10 DAILY 8:00a.m.-11:00a.m. VOC 161 BYRUM/PITTSLEY  
▽ 5665 B 1-6 MWF 1:00p.m.-4:00p.m. VOC 161 BYRUM/PITTSLEY

### WELD 299 INDEPENDENT STUDY

5695 A 1-10 ARR ARR VOC 161 WELD FACULTY  
Instructor permission required to enroll.

## EVENING CLASSES

### WELD 105 RELATED WELDING I

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

5435 NA 1-6 TWTh 6:00p.m.-9:00p.m. VOC 161 MILLER R

### WELD 154 INTRODUCTION TO OXY-ACETYLENE

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

5470 NA 1-6 TWTh 6:00p.m.-9:00p.m. VOC 161 MILLER R

### WELD 155 INTRODUCTION TO ARC WELDING

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

5500 NA 1-6 TWTh 6:00p.m.-9:00p.m. VOC 161 MILLER R

### WELD 158 WELDING THEORY & FABRICATION

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

5520 N 5 TTh 4:30p.m.-7:00p.m. VOC 161 ENOCH N

### WELD 221 WIRE MACHINE

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

5545 NA 1-6 TWTh 6:00p.m.-9:00p.m. VOC 161 MILLER R

### WELD 222 ADVANCED WIRE MACHINE

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

5575 NA 1-6 TWTh 6:00p.m.-9:00p.m. VOC 161 MILLER R

### WELD 254 ARC WELDING

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

5610 NA 1-6 TWTh 6:00p.m.-9:00p.m. VOC 161 MILLER R

### WELD 255 ADVANCED WELDING PROCESSES

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

5640 NA 1-6 TWTh 6:00p.m.-9:00p.m. VOC 161 MILLER R

### WELD 256 ADVANCED WELDING APPLICATION

⊗ Course is clustered with other class sections that meet at the same time, in the same classroom.

5670 NA 1-6 TWTh 6:00p.m.-9:00p.m. VOC 161 MILLER R

**Transitional Studies offers continuous enrollment in adult education courses designed to prepare you for college-level studies or help you earn your high school diploma.**

## ABE English

<b>ABE 071 ENGLISH A-C (FINE ARTS)</b>	5	Daily	9:00a.m.-9:50a.m.	VOC 156	Yarbrough-Hall S
<b>ABE 091 ENGLISH C-E (ENGLISH, WA STATE HISTORY, FINE ARTS)</b>	5	Daily	9:00a.m.-9:50a.m.	VOC 154	Graham C
<b>ABE 091 INTEGRATED C-E (ENGLISH, CWH) HYBRID</b>	▽ 5	MF	10:00a.m.-10:50a.m.	AAR 101	Yund J
<b>ABE 091 INTEGRATED C-E (ENGLISH, GOVERNMENT) HYBRID</b>	▽ 5	TTh	10:00a.m.-10:50a.m.	VOC 153	Bent S
<b>ABE 091 ENGLISH C-E (ENGLISH, OCCUPATIONAL ED., HEALTH/PE, FINE ARTS)</b>	5	Daily	10:00a.m.-10:50a.m.	VOC 154	Watts M
<b>ABE 091 ENGLISH C-E (ENGLISH, SCIENCE, LAB SCIENCE, CWH)</b>	5	Daily	11:00a.m.-11:50a.m.	VOC 153	Bent S
<b>ABE 091 ENGLISH C-E (ENGLISH, WA STATE HISTORY) HYBRID</b>	▽ 5	TTh	11:00a.m.-11:50a.m.	AAR 101	Graham C
<b>ABE 091 PRE-COLLEGE ENGLISH C-E (ENGLISH)</b>	6	MWF	11:00a.m.-12:40p.m.	AAR 101	Yund J
<b>ABE 091 ENGLISH C-E (OCCUPATIONAL ED., HEALTH/PE, FINE ARTS) HYBRID</b>	▽ 5	TTh	1:00p.m.-1:50p.m.	AAR 101	Al Bassam S
<b>ABE 091 ENGLISH C-E (ENGLISH, SCIENCE, LAB SCIENCE) HYBRID</b>	▽ 5	T	1:00p.m.-1:50p.m.	VOC 157	Watts M
<b>ABE 091 ENGLISH A-E (ENGLISH, OCCUPATIONAL ED., HEALTH/PE)</b>	5	Daily	1:00p.m.-1:50p.m.	VOC 156	Sharp J
<b>ABE 091 ENGLISH B-C TECHNOLOGY FOR COLLEGE AND CAREER (OCCUPATIONAL ED.) HYBRID</b>	▽ 5	TWTh	1:00p.m.-2:20p.m.	VOC 153	Bent S
<b>ABE 091 ENGLISH C-E (ENGLISH, US HISTORY) HYBRID</b>	▽ 5	TTh	2:00p.m.-2:50p.m.	AAR 101	Graham C
<b>ABE 091 ENGLISH C-E (ENGLISH, US HISTORY, GOVERNMENT)</b>	5	Daily	2:00p.m.-2:50p.m.	VOC 156	McShane H
<b>ABE 081 ENGLISH A-D (ENGLISH, WA STATE HISTORY, FINE ARTS)</b>	5	MW	7:00p.m.-9:05p.m.	VOC 156	Sharp J
<b>ABE 091 ENGLISH C-E (ENGLISH, SCIENCE, LAB SCIENCE, CWH)</b>	9.6	M-Th	7:00p.m.-9:00p.m.	VOC 154	Harlan K

## ABE Integrated

<b>ABE 093 INTEGRATED C-E FAST TRACK (ENGLISH, MATH, GED) HYBRID</b>	▽ 5	TTh	12:00p.m.-12:50p.m.	AAR 101	Al Bassam S
<b>ABE 093 INTEGRATED C-E (ENGLISH, MATH, GED) HYBRID</b>	▽ 5	M-Th	5:00p.m.-5:50p.m.	AAR 101	Schultz L
<b>ABE 093 INTEGRATED C-E FAST TRACK (GED, ENGLISH, MATH, FINE ARTS, US HISTORY, GOVERNMENT, ELECTIVES) HYBRID</b>	▽ 15	M-Th	6:00p.m.-8:50p.m.	AAR 101	Schultz L
<b>ABE 093 INTEGRATED C-E (PORTFOLIO) HYBRID</b>	▽ 7.2	MW	6:00p.m.-9:00p.m.	Woodland Primary	Bent S

## ABE Math

<b>ABE 072 MATH A-C</b>	5	Daily	10:00a.m.-10:50a.m.	VOC 156A	Yarbrough-Hall S
<b>ABE 072 MATH C</b>	5	Daily	10:00a.m.-10:50a.m.	VOC 156	Graham C
<b>ABE 072 MATH C (ELECTIVES)</b>	5	Daily	11:00a.m.-11:50a.m.	VOC 154	Watts M
<b>ABE 082 MATH D (MATH NON-STEM, ELECTIVES)</b>	6	MWF	11:00a.m.-12:40p.m.	VOC 156	Graham C
<b>ABE 082 MATH D (MATH)</b>	5	Daily	1:00p.m.-1:50p.m.	VOC 154	Sung J
<b>ABE 072 MATH A-C</b>	5	Daily	2:00p.m.-2:50p.m.	VOC 154	Sung J
<b>ABE 072 MATH B-C HYBRID</b>	▽ 5	T	2:00p.m.-2:50p.m.	VOC 157	Watts M
<b>ABE 072 MATH A-C</b>	4.8	M-Th	6:00p.m.-7:00p.m.	VOC 154	Sung J
<b>ABE 082 MATH D (MATH)</b>	4.8	M-Th	6:00p.m.-7:00p.m.	VOC 156	Nelson G
<b>ABE 092 MATH D-E (MATH) HYBRID</b>	▽ 5	MW	7:00p.m.-9:00p.m.	VOC 153	Schultz J

## English as a Second Language

<b>ESL 051 ENGLISH A</b>	11	Daily	9:00a.m.-10:50a.m.	VOC 157A	Maslennikova I
<b>ESL 071 ENGLISH B-C (US HISTORY)</b>	11	Daily	9:00a.m.-10:50a.m.	VOC 157	Hearn F
<b>ESL 071 ENGLISH SPEAKING AND LISTENING</b>	5	Daily	11:00a.m.-11:50a.m.	VOC 157	Hearn F
<b>ABE 092 MATH FOR ENGLISH LANGUAGE LEARNERS A-E (MATH)</b>	5	Daily	11:00a.m.-11:50a.m.	VOC 157A	Maslennikova I
<b>ESL 051 ENGLISH A</b>	7.2	MW	6:00p.m.-9:00p.m.	VOC 157A	Roll L
<b>ESL 071 ENGLISH B-C (US HISTORY)</b>	7.2	MW	6:00p.m.-9:00p.m.	VOC 157	Yund J
<b>ESL 051 ENGLISH A-C</b>	5	TWTh	9:00a.m.-10:25a.m.	AAR 101	Moreno C
<b>ESL 071 ENGLISH A-C</b>	7.2	MW	6:00p.m.-9:00p.m.	Woodland Primary	Moreno C

**Classes are \$25 per quarter and students may enroll at any time.**  
**For more information**  
**call 360.442.2580.**



# I-BEST PUTS STUDENTS ON FAST TRACK TO CAREER & STUDENT SUCCESS

Integrated Basic Education & Skills Training (I-BEST) is a proven program for student success. I-BEST students have double the certificate/degree completion rate, a result of hands-on training combined with twice the support and instruction to help students excel. I-BEST faculty and professional/technical faculty work together in the classroom in a team teaching partnership and I-BEST instructors are available for up to five hours or more each week to assist students in an academic support classroom where instruction is targeted to classroom studies. College credits earned can be applied toward two year Associate degrees in eight high demand career fields.

## Business Management

Prepares graduates for entry-level employment in a variety of business support positions. Students in Retail Management develop an understanding of the scope and requirements of a management position in a retail business. Credits for both can be applied toward the AAS in Business Management.

<b>ACCT 101</b>	<b>Introduction to Accounting Concepts</b>
<b>BUS 101</b>	<b>Introduction to Business</b>
<b>BUS 104</b>	<b>Business Math Applications</b>
<b>BUS 144</b>	<b>Management of Human Relations:DIV</b>

## Business Technology

Prepares graduates to work in an office setting. Credits can be applied toward two year AAS degrees.

<b>BTEC 104</b>	<b>Introduction to Business Technology</b>
<b>BTEC 112</b>	<b>Word Processing II</b>
<b>BTEC 131</b>	<b>Introduction to Spreadsheets</b>
<b>BTEC 148</b>	<b>Introduction to Outlook</b>
<b>BTEC 165</b>	<b>Cultural Awareness for Healthcare Professionals</b>
<b>BTEC 173</b>	<b>Computers in the Medical Office</b>
<b>BUS 100</b>	<b>Foundations of Business Success</b>

## Diesel/Heavy Equipment Technology

Prepares graduates for careers in any industry that utilizes trucks, excavators, bulldozers, other heavy equipment, or industrial equipment using diesel power and hydraulic devices. Graduates find work with truck and heavy equipment dealers, railroads, marine operations, industrial maintenance, auto, and RV repair.

<b>DHET 105</b>	<b>Vehicle Climate Control</b>
<b>DHET 115</b>	<b>H.D. Brakes &amp; Chassis</b>

## Early Childhood Education

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 107</b>	<b>Health/Safety/Nutrition</b>
<b>ECED 120</b>	<b>Practicum-Nurturing Relationships</b>
<b>ECED 180</b>	<b>Language and Literacy Development</b>
<b>ECED 190</b>	<b>Observation/Assessment</b>
<b>ECED 219</b>	<b>Math, Science, Computers</b>
<b>ECED 263</b>	<b>Practicum VI/Professionalism</b>
<b>EDUC 115</b>	<b>Child Development</b>
<b>EDUC 130</b>	<b>Guiding Behavior</b>
<b>EDUC 150</b>	<b>Child, Family &amp; Community</b>
<b>EDUC 205</b>	<b>Introduction to Education w/Field Experience</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.

<b>AH 114</b>	<b>Healthcare Communications</b>
<b>NURS 090</b>	<b>Nursing Assistant</b>

## Machine Trades

Prepares graduates for a job as a machinist, millwright, machine operator, tool and die maker, and occupations related to manufacturing.

<b>MASP 111</b>	<b>Machine Shop I</b>
<b>MASP 112</b>	<b>Machine Shop II</b>
<b>MASP 113</b>	<b>Machine Shop III</b>
<b>MFG 100</b>	<b>Foundational Skills for the Trades</b>

## Medical Assistant

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

<b>CS 110</b>	<b>Microcomputer Applications</b>
<b>MATH 105</b>	<b>Math for Health Sciences</b>
<b>MEDA 101</b>	<b>Medical Vocabulary I</b>
<b>MEDA 102</b>	<b>Medical Vocabulary II</b>
<b>MEDA 145</b>	<b>Medical Lab Techniques</b>
<b>MEDA 165</b>	<b>Meds in Medical Assisting &amp; Diseases</b>

## Manufacturing Occupations

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 includes courses that can be applied to more specialized degrees and certificates.

<b>ENGL 110</b>	<b>Industrial Communications</b>
<b>MFG 100</b>	<b>Foundational Skills for the Trades</b>
<b>MATH 106</b>	<b>Industrial Mathematics</b>
<b>TECH 100</b>	<b>Advanced Principles of Technology</b>

## Welding

Prepares graduates for the state commercial welding examination or qualify for welding jobs in manufacturing, maintenance, or instruction.

<b>WELD 158</b>	<b>Welding Theory and Fabrication</b>
<b>MFG 100</b>	<b>Foundational Skills for the Trades</b>
<b>WELD 154</b>	<b>Introduction to Oxy Acetylene</b>
<b>WELD 221</b>	<b>Wire Machine</b>
<b>WELD 254</b>	<b>ARC Welding</b>

Program Specialist Jill Yates will help each student register for the classes they need: 360.442.2584 or [jyates@lowercolumbia.edu](mailto:jyates@lowercolumbia.edu)

# Corporate & Continuing Education

## GRANTWRITING BOOTCAMP



**May 13-15**  
**9 a.m. to 3 p.m.**

**Lower Columbia College**  
**Location TBD**

### GET INSPIRED – YOU CAN MAKE A DIFFERENCE

Learn to write compelling grant applications for your organization or cause and make a positive change in the world

Learn the core skills for writing grants. It starts with learning where to find grants and understanding the application process. Then you'll walk step by step through writing every section of the proposal.

This comprehensive Grantwriting Bootcamp is an inspiring and informative three-day course that will provide you with the tools, skills, and resources necessary to research, write, and manage successful grant proposals. In this course, an experienced grant writer will show you how to research and write winning proposals that get funded. Walk away from the course with a completed letter of interest and your current proposal nearly done!

#### DAY ONE

- What makes a great grantwriter
- Organizational readiness
- Prospect research – where to find grant funding
- Types of grants and types of proposal formats
- Logic model
- Writing your proposal step-by-step
- Describing your organization
- Understanding community needs assessments and research

#### DAY TWO

- Project description
- Goal statement and SMART objectives
- Project timeline and workplan
- Evaluation
- Preparing and submitting your budget

#### DAY THREE

- Grants stewardship
- Ethics
- Project Presentations

#### About Allison Shirk:

Allison has more than twenty years' experience in grantwriting and nonprofit management. Allison is an Approved Specialist in the Nonprofit Resource Directory, a vetted resource of nonprofit consultants recommended by their clients and peers. She is a Columnist for the Foundation Center - New York, The Sustainable Nonprofit. Allison has helped nonprofits raise millions of dollars to help make the world a better place.

#### Student Testimonials:

*"It was very comprehensive and a great learning experience. I would highly recommend it to anyone wishing to learn about Grant Writing!"*

*"Open, honest, and sincere information shared. It's clear that Allison has a history, passion, and dedication for grantwriting."*

*"Allison was able to answer each question with practical knowledge and great suggestions."*

*"Love the handbooks. It's so nice to have all my notes and materials in one place."*

**\$550 per registration.**

**For more information, contact Mary Harris at**  
**mharris@lowercolumbia.edu or 360.442.2602**

Participants completing the grant writing program will receive a professional development certificate and two Continuing Education Units (CEUs)

## Business & Professional Development

Corporate & Continuing Education offers a variety of services supporting workforce development and corporate training. Our training team delivers customized, on-demand training programs that enhance professional and personal growth in order to increase local economic competitiveness. We will partner with you to build the best training program for your workforce.

### Our Process:

**Needs Assessment:** CCE trainers will meet with you to discuss training needs and skill gaps in your workforce.

**Program Development:** The CCE training team will partner to develop a customized training program that meets your organizational goals.

**Customized Delivery:** Training can be held on or off site and performed according to customer requirements. The CCE training team can deliver coursework online, in person, or in a hybrid model.

**Sample Training Topics:** Leadership, management & supervision, quality assurance, business computer applications, customer service, and other areas critical to organizational success. **You can also build your own!**

### Small Business Entrepreneur Certification-ONLINE

The Small Business Development Center and Lower Columbia College are partnering to offer a Small Business Entrepreneur Certification. Contact Jerry Petrick at the Longview Small Business Development Center at [jerry.petrick@wsbdc.org](mailto:jerry.petrick@wsbdc.org) or call 360.578.5449. Additional information is also available by calling LCC Continuing Education at 360.442.2602 or visiting [www.campusce.net/lcc](http://www.campusce.net/lcc).

### Introduction to Microsoft Project 2016 Online!

Use this popular project management software to plan, implement, and control projects, track costs and resources, and generate reports using Gantt Chart and Calendar views. Other versions available. Register at [www.ed2go.com/lccbic](http://www.ed2go.com/lccbic) \$129

## Workforce Training

### CDL Training

LCC's Corporate & Continuing Education Department offers a CDL training course for Class A and Class B licenses. The CDL Program has the option of 4 or 8 week training course depending on the quarter. The training consists of 20-40 hours of classroom instruction and 28-120 hours of driving and vehicle instruction based on the class of the license. Training is limited to students that meet the program requirements. For more information, please contact Heidi Hamer at 360.442.2603 or [hhamer@lowercolumbia.edu](mailto:hhamer@lowercolumbia.edu). Spring start dates are April 15 and May 20.



### 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 (accepted in most other states) valid for 3 years. Fee includes textbook and ID cards. Rich Bunker, Master Instructor, for American Traffic Safety Services Association (ATSSA). Students must bring a photo ID to class.

For more information or to register, please contact Mary Harris at 360.442.2602 or [mharris@lowercolumbia.edu](mailto:mharris@lowercolumbia.edu). Call or email for a current schedule. Flagger Re-Certification also available. Do you have a group of employees to train? Please contact Mary Harris to set up a training at your facility!

*About Rich Bunker:* Rich is a nationally recognized Master Instructor of the Traffic Control Technician, Traffic Control Supervisor, and Flagger Instructor Training programs for ATSSA (American Traffic Safety Services Association) and has taught Flagger Certification and Flagger Refresher for LCC since 2013. Rich is an in-demand instructor who teaches Flagger Certification all over the United States. He worked for Lewis County for 31 years working in all phases of road construction and maintenance including flagging and held the position of Lewis County Road Supervisor.

### Professional Vocational Relationships: Canvas Online

Examines the legal and regulatory frameworks of practical nursing. Presents concepts of effective communication in health care settings among employees and employers. Explores conflict resolution and teamwork strategies. Discusses professional boundaries, stress management, chain of command, and professionalism as it relates to the licensed practical nurse role and scope. This course fulfills the Washington State requirements for professional relationship content for those applying for licensure as a practical nurse in Washington State. Registration required. Online using Canvas. (Ward) \$150. For more information, please contact Heidi Hamer at 360.442.2603 or [hhamer@lowercolumbia.edu](mailto:hhamer@lowercolumbia.edu).

CLCG 050 A      8980      Online

### 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. Follow these steps to take your course: register in Admissions, purchase your text in the College Bookstore, and check out the DVDs in the LCC College Library. Complete instructions are included in your text. Contact Mary Harris, 360.442.2602 or [mharris@lowercolumbia.edu](mailto:mharris@lowercolumbia.edu), for additional information.

4 hour HIV/AIDS Certification, register for:

SFTY 046	5245	\$45.00
----------	------	---------

7 hour HIV/AIDS Certification, register for:

SFTY 045	5240	\$70.00
----------	------	---------

# Discover the Possibilities!

Try something new this spring or take your favorite class. We've got you covered with day trips, art classes, online learning, health and wellness, and more.

There's something for everyone!

## Astoria Crab, Seafood & Wine Festival

Enjoy great coastal cuisine, arts and crafts, wine tasting, and more in the historic city of Astoria. This award-winning event features the authentic flavors of Oregon's North Coast, as well as artisan producers and Oregon-based wineries. Registration fee includes transportation to and from festival and does not include festival admission fee. Admission to the festival and purchase of food and beverage on your own. Admission was \$15 in 2018. (Wade) \$35

CLCE 038 A 8550 Sa 4/27 9 a.m.-5 p.m.

## A Day at the Pearl

Portland's Pearl District was once known as the Industrial Triangle, full of railroad yards and warehouses. Today, the Pearl is home to world-class art galleries, boutique shops, and unique dining experiences. Join us as we explore this unique part of Portland! Transportation to and from the Pearl District provided; dining, shopping, and exploring on your own or as a group. (Wade) \$35

CLCE 038 B 8555 Sa 5/18 9 a.m.-4 p.m.



## Recycled Art Show

The Recycled Arts Festival features over 150 talented artists who create amazing pieces of art using a minimum of 70% recycled materials. The festival started in 2005, with more artists participating each year. Relax, listen to local bands, browse artist's work, buy something to take home with you, and learn about what you can do to improve the environment. Registration includes transportation to and from the festival in Vancouver. (Wade) \$35

CLCE 038 C 8560 Sa 6/29 9 a.m.-4 p.m.

## Take an online photography course to record your journey...

### Secrets of Better Photography Online!

Learn how to take better pictures by understanding your camera and how to use it in a variety of situations. Register at [www.ed2go.com/lcchic](http://www.ed2go.com/lcchic) \$99

### Introduction to Digital Scrapbooking Online!

Learn how to make the most of your scrapbooking talents and artistic ideas when you combine digital and traditional scrapbooking techniques. Register at [www.ed2go.com/lcchic](http://www.ed2go.com/lcchic) \$99

## Art & Culture

### College of Collage

Experience the endless creative possibilities of collage. Few art methods allow such flexibility and personal narrative. This course will cover techniques for determining subject matter, integrating a variety of materials, and personalizing imagery. We will learn about adhesives, surfaces, and combinations of drawing and painting materials used in collage. MAN 109 (Wade) \$99 No class 5/27

CLCE 018 A 8085 M 4/15-6/17 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 (Wade) \$125

CLCE 018 B 8090 W 4/17-6/12 5-8 p.m.

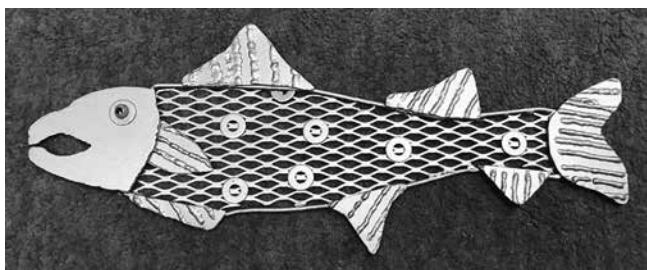
### Mixed Media Drawing

Discover drawing with a variety of materials and surfaces. Create finished products such as unique gift boxes, greeting cards, and more. We'll work with both dry and water-based materials, on surfaces ranging from paper to glass. Investigate techniques for creating representational and abstract imagery with pen and ink, watercolor pencils, colored pencils, pastels, glass paints, and unconventional tools. For those who enjoy drawing, this course will expand your tool box of possibilities. Whether you are an experienced artist or someone wanting to explore your creative side, this class is for you! MAN 148 (Wade) \$99

CLCE 018 C 8095 Th 4/18-6/13 5-7 p.m.

*About Max Wade:* Working in a variety of mediums, Max Wade is a vibrant art 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 studies at The Evergreen State College in Olympia, Washington.





### Metal Art

This class will inspire you to find scraps and assist you in exploring different techniques to express your creative side. You will review safety and welding techniques and develop an understanding of 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. LCC Welding Shop (Pittsley) \$99 *No class 5/27*

CLCE 019 A 8105 M 4/15-6/17 6-8 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 (Challed) *No class 5/27*

CLCE 021 A 8115 M 4/8-6/10 7-9 p.m.

### Symphonic Band

Non-credit section for community members. Offers rehearsal and performances of standard concert band repertoire. Activities of this college/community band include performances for special civic events in community and public concerts. Instructor approval is required to enter this course. RCA 102 (Davis)

CLCE 023 A 8125 Th 4/11-6/13 7-9 p.m.

## Health & Wellness

### Tai Chi for Health

Slow and gentle Sun (soon) style Tai Chi movements that increase muscular strength, improve flexibility and facilitate mindfulness to help relieve pain, reduce stress and improve/maintain balance. The program contains a carefully constructed set of warming-up and cooling-down exercises, Qigong breathing exercises, a Basic Core six movements, and an Extension six movements. Appropriate for individuals with arthritis and other chronic conditions or those looking to manage stress, maintain vitality, and fall prevention. Students practice at their own comfort level. Please wear loose or comfortable stretchy clothing and sneakers or any other flat, flexible walking-type shoes. GYM 210 (Eastman) \$65

#### Session One

CLCE 028 A 8190 TTh 4/9-5/14 7-8 a.m.

#### Session Two

CLCE 028 B 8191 TTh 5/16-6/20 7-8 a.m.

### NIA Functional Fitness

NIA (Non-impact Aerobics) is a form of fusion fitness, combining classic movement forms which encompasses martial arts, healing arts, yoga, and the dance arts. Suitable for all ages, NIA is a workout, practice, and lifestyle that fosters vitality and well-being. GYM 210 (Sudar) \$65

#### Session One

CLCE 015 A 8070 MW 4/8-5/8 7-8 a.m.

#### Session Two (*No class 5/27*)

CLCE 015 B 8071 MW 5/13-6/19 7-8 a.m.

### Beginner Barre

Beginner barre is an in depth introduction to the practices of barre. This class focuses on strengthening and toning the entire body by training small movements that isolate muscles followed immediately by a stretching session to help create those long lean muscles. While barre uses concepts and terminology from ballet, there are also foundations in yoga, Pilates, and weight training, but no prior experience in any of those areas is needed! GYM 210 (McMullan) \$65

#### Session One

CLCE 029 A 8250 MW 4/8-5/8 11:30-12:30 p.m.

#### Session Two (*No class 5/27*)

CLCE 029 B 8255 MW 5/13-6/12 11:30-12:30 p.m.

### Mat Pilates

This class will consist of a series of exercises from within the Pilates Method designed specifically to be performed on the mat. Benefits of Pilates exercises include improved flexibility, muscle tone, body balance, spinal support, low back health, sports performance, and body-mind awareness. Improve your core strength in a safe manner. Appropriate for all levels, however students need to be able to perform exercises on the floor using a mat. Bring a ¼" exercise mat to class. GYM 210 (Skerbeck) \$65

#### Session One

CLCE 034 A 8215 MW 4/8-5/8 5:30-6:30 p.m.

#### Session Two (*No class 5/27*)

CLCE 034 B 8220 MW 5/13-6/19 5:30-6:30 p.m.

### Zumba Fitness

The Zumba workout combines high-energy dance moves with traditional exercises such as lunges, squats and arm curls. Upbeat music like the merengue, salsa and mambo keep the energy high but alternate between slow and fast, keeping you on your toes! Zumba is fun to do and can be a great way to lift your spirits all while getting into shape and burning as many as 540 calories in the hour class! GYM 210 (Sanchez) \$65

#### Session One

CLCE 030 A 8195 TTh 4/11-5/14 5:30-6:30 p.m.

#### Session Two

CLCE 030 B 8196 TTh 5/16-6/20 5:30-6:30 p.m.



# Better Bones and Balance has a new home at LCC!!!

## Better Bones and Balance

The Better Bones and Balance course has been designed to gradually improve balance and strength and significantly slow the rate of bone loss. Our classes are safe for individuals with osteoporosis and osteopenia and appropriate for all ages. Bring a pair of indoor shoes and hand weights (3, 4, or 5 pounds). Class meets at LCC Don Talley Building, Room 202. (Swanson/Carroll) \$55

### Session One (No class 4/1-5)

CLCE 036 A	8230	MW	3/18-5/13	7-7:50 a.m.
CLCE 036 B	8235	MW	3/18-5/13	8-8:50 a.m.
CLCE 036 C	8240	MW	3/18-5/13	9-9:50 a.m.

### Session Two

CLCE 036 D	8231	MW	5/29-7/17	7-7:50 a.m.
CLCE 036 E	8236	MW	5/29-7/17	8-8:50 a.m.
CLCE 036 F	8241	MW	5/29-7/17	9-9:50 a.m.

## Beginning Better Bones & Balance

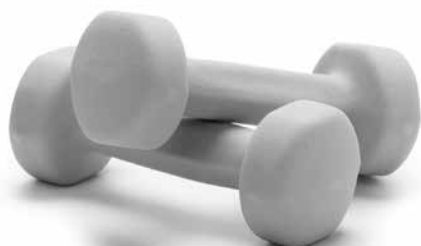
For beginners or anyone who prefers a lower intensity class. Hand weights (3, 4, or 5 pounds) are optional. Class meets at LCC Don Talley Building, Room 202. (Swanson/Carroll) \$55

### Session One (No class 4/1-5)

CLCE 032 A	8205	MW	3/18-5/13	10-10:50 a.m.
------------	------	----	-----------	---------------

### Session Two

CLCE 032 B	8206	MW	5/29-7/17	10-10:50 a.m.
------------	------	----	-----------	---------------



## The Power of Movement: Chair Exercises

This class is for you if you haven't exercised for a while, or you're being released from an injury. Stretching, strengthening and having fun is the basis for this class. Some standing and lots of chair exercises. The power of movement is what it's all about. Class meets at LCC Don Talley Building, Room 202. (Swanson/Carroll) \$55

### Session One (No class 4/1-5)

CLCE 033 A	8210	MW	3/18-5/13	11-11:50 a.m.
------------	------	----	-----------	---------------

### Session Two

CLCE 033 B	8211	MW	5/29-7/17	11-11:50 a.m.
------------	------	----	-----------	---------------

## Low Impact Aerobics

Increase stamina, flexibility and cardio endurance in our Low Impact Aerobics class! Movements are gentle on the joints and easy to follow. From beginning to advanced levels of intensity, work at your own pace! Class meets at LCC Don Talley Building, Room 202. (Swanson) \$20 for Better Bones & Balance registered students, item 8200/8202, \$25 Low Impact Aerobics only, item 8201/8203. *NEW TIME!*

### Session One (No class 4/4)

CLCE 031 A	8200/8201	Th	3/21-5/16	10:30-11:20 a.m.
------------	-----------	----	-----------	------------------

### Session Two (No class 7/4)

CLCE 031 B	8202/8203	Th	5/30-7/18	10:30-11:20 a.m.
------------	-----------	----	-----------	------------------

*Be sure to register  
early... these classes  
fill up fast!*

## Aquatic Fitness

Did you know that exercising in water makes you feel up to 90 percent lighter, according to the American Council on Exercise? This reduces the impact on your joints, creating an ideal exercise environment for those with arthritis, back problems, foot/leg injuries and knee problems and is also perfect for pregnant women. Dick Mealy Pool at Mark Morris (Dickey) Discounted price for shorter spring session \$49 *No class 5/27*

CLCE 035 A	8225	MTTh	5/6-6/13	10:50-11:45 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 Mary Harris at 360.442.2602  
for more information!*

## Spin Fitness

Bring on the Britney Spears, Lil Jon, and Katy Perry... this will be the sweatiest party you've ever been to! This full body workout rocks to the beat of the music involving sprints, push-ups, climbing hills, hand weights, and core work. This 50 minute class will leave you feeling strong and energized! Get ready to 'hit the corners' and 'tap it back' to transform the way you look and feel. Hop on a stationary bike and join the fun! GYM 210 (Lane) \$69

### Session One

CLCE 037 A	8244	TTh	4/9-5/14	4:30-5:20 p.m.
------------	------	-----	----------	----------------

### Session Two

CLCE 037 B	8245	TTh	5/16-6/20	4:30-5:20 p.m.
------------	------	-----	-----------	----------------

## Start Your Own Edible Garden Online!

Learn how to grow delicious, nutritious fruit and vegetables in your own backyard. Register at [www.ed2go.com/lccbic](http://www.ed2go.com/lccbic) \$115

## ENGAGE YOUNG MINDS

Corporate and Continuing Education offers classes and workshops throughout the year to engage your children in fun educational experiences. To register or get more information, please call 360.442.2610 or email Brian DelMar at [bdelmar@lowercolumbia.edu](mailto:bdelmar@lowercolumbia.edu).

### SEMI High Tech U

**April 2, 3, 4**

**(Spring Break - April 2, 3, 4)**

Looking for something to do over Spring Break? Join regional employers and LCC to get hands-on experience in STEM Education. SEMI High Tech U is a three-day program for students to learn more about careers in high tech industries. Students will work directly with tech professionals, participate in fun workshops, and hear about different pathways from school to work. Transportation, supplies, food and fun are all provided; you bring a positive attitude, career questions, and a willingness to learn. Register early. Free for high school students grades 9-12.

### Try-a-Trade

**Friday, May 17**

Interested in working in the trades? Come see what LCC and local employers have to offer you! LCC Career Connected Learning and our partners invite students to participate in Try-a-Trade! Explore different careers and training opportunities in our Auto, Diesel, Machine, and Welding labs. Starting from 8th grade and up, students will partner up with LCC faculty and students to build, make, and experiment through hands-on activities. Lunch provided! Register early. Free!



**Save the Date!**

## Career Connected Learning

Career Connected Learning program focuses on increasing the opportunities for real-world learning experiences to connect students with local employers. These experiences progressively build career awareness and skills. Through these experiences, students have the opportunity to develop soft skills as well as job skills. Want to learn more? Contact Brian DelMar at [bdelmar@lowercolumbia.edu](mailto:bdelmar@lowercolumbia.edu) or call 360.442.2610.

### CTE Dual Credits:

A partnership between college and high school instructors designed to guide local students into high-skill, high-wage careers with local industries. High school students can earn dual credit at both their high school, and at Lower Columbia College, without leaving high school or doing additional homework.

### Cooperative Education:

An opportunity to earn up to 15 college credits for work experience in your field of study. Students enrolled in Cooperative Education will build their portfolio and make themselves marketable in today's competitive job market. Students will also intern at a local business to gain real-world work experience.

### Special Events:

Career Connected Learning has a variety of events that engage students from second grade through LCC students. Here are some events that happen yearly: Family STEM Night, High Tech U, Try-A-Trade, Company Tours, Mock Interviews, and Kid's College. Learn more at [lowercolumbia.edu/stem](http://lowercolumbia.edu/stem).

## Computers & Technology

### Computer Skills for the Workplace Online!

Gain a working knowledge of the computer skills you'll need to succeed in today's job market. Register at [\\$115](http://www.ed2go.com/lccbic)

### Microsoft Office 2016 Value Suite Online!

Learn to use the basic features of Microsoft Word 2016, Microsoft Excel 2016, and Microsoft PowerPoint 2016, three of the most fundamental software programs used in educational and professional settings. Register at [\\$324](http://www.ed2go.com/lccbic)

## Online Learning



Learn More

Ed2go has over 300 instructor-facilitated online courses to choose from. Through well-crafted lessons, expert online instruction, and interaction with fellow students, you gain valuable knowledge at your convenience. Online continuing education courses begin each month and continue for six weeks. You can complete any course wherever you have internet access, any time of the day or night! Most courses are \$115. Register at [www.ed2go.com/lccbic](http://www.ed2go.com/lccbic) or call 360.442.2602 for more info.

Visit our online learning website for a list of our over 300 instructor facilitated online courses at [www.ed2go.com/lccbic](http://www.ed2go.com/lccbic).



## LCC Corporate &amp; Continuing Education

## ONLINE CLASSES



SPRING CLASSES

These **high-quality courses** are **taught by industry experts** and designed to quickly deliver specific skills and knowledge that **help to advance personal or professional development**. Our online classroom is informative, convenient, and highly interactive.

**Accounting Fundamentals**

Gain a marketable new skill by learning the basics of double-entry bookkeeping, financial reporting, and more.

**Introduction to Microsoft Excel 2016**

Become proficient in using Microsoft Excel 2016 (now available through Office 365) and discover how to create worksheets, workbooks, charts, and graphs quickly and efficiently.

**Medical Terminology: A Word Association Approach**

Prepare for a career in the health services industry by learning medical terminology in a memorable and enjoyable fashion.

**Grammar Refresher**

Whatever your goals, a grasp of English grammar is important if you want to improve your speaking and writing skills.

**Microsoft Excel 2016 Series**

Learn to use basic, intermediate, and advanced features of Microsoft Excel 2016.

**Speed Spanish**

Learn six easy recipes to glue Spanish words together into sentences, and you'll be engaging in conversational Spanish in no time.

**Introduction to SQL**

Gain a solid working knowledge of the most powerful and widely used database programming language.

**Accounting Fundamentals Series**

If you're interested in increasing your financial awareness while also gaining a marketable skill, this series of courses is perfect for you.

**Introduction to Microsoft Excel 2013**

Become proficient in using Microsoft Excel 2013 and discover countless shortcuts, tricks, and features for creating and formatting worksheets quickly and efficiently.

**Effective Business Writing**

Improve your career prospects by learning how to develop powerful written documents that draw readers in and keep them motivated to continue to the end.

24/7 Access • All classes start new every month  
Certificate of completion • 6-week format • Average 24 work hours  
Discussion boards • Mobile accessible



Enroll or view all our online courses at:  
[www.ed2go.com/lccbic](http://www.ed2go.com/lccbic)

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

***Call Mary Harris at 360.442.2602  
for more information!***

**About Corporate & Continuing Education**

For the latest information about Corporate & Continuing Education, see [lowercolumbia.edu/ce](http://lowercolumbia.edu/ce) or visit us on Facebook at [facebook.com/LCC.ContinuingEd](https://facebook.com/LCC.ContinuingEd)

**It's easy to sign up for classes:**

- Sign up online at [lowercolumbia.edu/ce](http://lowercolumbia.edu/ce)
- OR call 360.442.2600 and 360.442.2840 to sign up over the phone with Visa or 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 at the back of this schedule 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  
360.442.2600****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 cancelled.

**Online Learning:**

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

Short term, affordable and fun classes geared just for you. Classes require only Internet access and an email account. These 6-week, highly interactive classes start the third Wednesday of each month. Choose from Career & Professional, Computers & Technology, Personal Development, Writing & Publishing, and more!

**■ ed2go Online Career Training**

[careertraining.ed2go.com/lccbic](http://careertraining.ed2go.com/lccbic)

Longer term, open enrollment training programs designed to provide the skills and training you need to acquire professional level positions for many in-demand occupations. Programs are designed by teams of professionals from respective fields, providing you with effective web-based learning programs. Instructors/mentors are actively involved in your online learning experience, responding to your questions or concerns, and encouraging and motivating you to succeed. Choose from Business, Construction & Trades, Health & Fitness, Hospitality, IT & Computer Programming, Legal, Writing, and more!





Mail to: Corporate and  
Continuing Education  
1600 Maple, PO Box 3010  
Longview, WA 98632  
Phone: 360.442.2600

Year 2019  
Winter Spring  
Summer Fall

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

## Sign up now! Corporate and 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	DTV 201	MW	7 p.m.	4/8	\$ 49
Total									

### 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.*

# COLLEGE SERVICES INFORMATION

## ■ ADVISING

New students may contact entry advisors daily through the Entry Center in the Admissions Center. Returning students should contact their advisors through the Entry Center or the LCC Directory at [lcc.ctc.edu/employees](http://lcc.ctc.edu/employees) if they have questions.

360.442.2311 [lowercolumbia.edu/advising](http://lowercolumbia.edu/advising)

## ■ 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 The Early Learning Center. 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 [lowercolumbia.edu/childcare](http://lowercolumbia.edu/childcare)

## ■ 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 class listings for more info.

[lowercolumbia.edu/cooperative-education](http://lowercolumbia.edu/cooperative-education)

## ■ COUNSELING CENTER

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

360.442.2311 [lowercolumbia.edu/counseling](http://lowercolumbia.edu/counseling)

## ■ DINING

The Fork & Flame café: 8 a.m.-1:30 p.m.; Espresso Bar: 7:30 a.m.-3 p.m. Monday–Friday. Located in the Student Center.

## ■ 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. Application and deadline information is located on page 7.

360.442.2390 [lowercolumbia.edu/finaid](http://lowercolumbia.edu/finaid)

## ■ GED TESTING

GED testing at LCC is all computer-based. You can register, schedule, and pay online 24/7 and get your test results immediately.

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

## ■ INSURANCE AVAILABLE TO STUDENTS

LCC offers an accident and sickness insurance plan designed for students. Brochures are available in the Admission Center.

## ■ LEARNING COMMONS AND LIBRARY

Hours: Monday–Thursday: 7:30 a.m.-7 p.m.; Friday: 7:30 a.m.-4 p.m.; Saturday: 10 a.m.-2 p.m.

[lowercolumbia.edu/library](http://lowercolumbia.edu/library)

## ■ PLACEMENT TESTING

Students who plan to earn a degree or certificate from Lower Columbia College, or who plan to transfer to a four-year institution, can use multiple measures for the purpose of determining English and Math placement. Placement options include, but are not limited to, Directed Self-Placement, Smarter Balanced scores, High School transcripts, and previous college course work. Placement assessments are offered in the Admissions Center testing lab, open 10 a.m.-5 p.m. Monday-Thursday.

360.442.2353 [lowercolumbia.edu/placement](http://lowercolumbia.edu/placement)

## ■ 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 [lowercolumbia.edu/running-start](http://lowercolumbia.edu/running-start)

## ■ 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.

## ■ TRIO PROGRAMS

TRiO Student Support Services is offered at LCC for students who are first-generation, low-income, or students with disabilities and are interested in earning a bachelor's degree. Contact Jodi Reid, Director of TRiO Programs, for more information.

[jreid@lowercolumbia.edu](mailto:jreid@lowercolumbia.edu)

## ■ TUTORING SERVICES

Tutoring Services provides one-on-one and small group sessions in nearly every discipline including Canvas orientations. 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: Mon-Thurs 8 a.m.-7 p.m., Fri 8 a.m.-4 p.m., and Sat 10 a.m.-2 p.m.

[lowercolumbia.edu/tutoring](http://lowercolumbia.edu/tutoring)

## ■ VETERAN RESOURCE CORNER

The Veteran Resource Corner is located on the second floor of the Student Center, next to ASLCC. The area provides a veteran-friendly academic environment for veteran students and their dependents. It is also a place where veteran students can access vital resources and benefit information. Contact Connie O'Brien-Larsen for details.

[cobrienlarsen@lowercolumbia.edu](mailto:cobrienlarsen@lowercolumbia.edu)

## ■ 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.

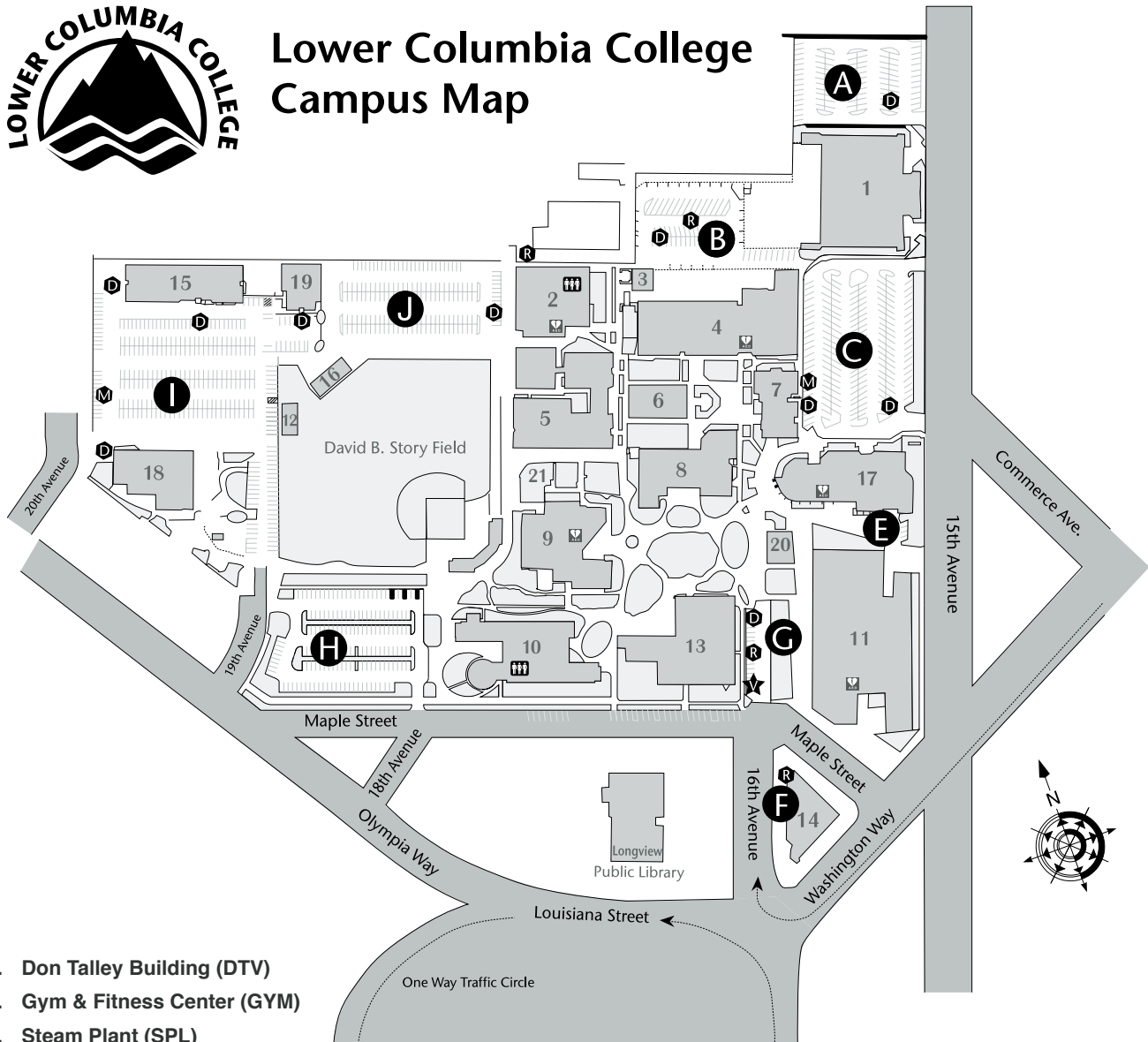
## ■ WORKER RETRAINING

For dislocated workers and others seeking employment, training orientations are offered. Go to [startnextquarter.org](http://startnextquarter.org) to sign up, call the number below, or visit the Career Center's front desk for assistance.

360.442.2330 [lowercolumbia.edu/worker-retraining](http://lowercolumbia.edu/worker-retraining)



# Lower Columbia College Campus Map



1. Don Talley Building (DTV)
2. Gym & Fitness Center (GYM)
3. Steam Plant (SPL)
4. Vocational Building (VOC)
5. Applied Arts Building (AAR)
6. Science Building (SCI)
7. Physical Science Center (PSC)
8. Admissions Center (ADC)
  - Career Services
  - Cashiers
  - Disability Support Services
  - Financial Aid
  - Registration
  - Testing Center
9. Library- Alan Thompson (LIB)
  - eLearning
  - Regional University Center
  - Tutoring Center
10. Health and Science Building (HSB)
11. Rose Center for the Arts (RCA)

12. International Center (INC)
13. Main Building (MAN)
14. Administration Building (ADM)
15. Head Start/Home & Family Life (HFL)
16. Batting Barn (BTB)
17. Student Center (STC)
  - Bookstore
  - Dining
  - Student Activities Office
  - Student IDs/Information
18. Campus Services Building (CMS)
19. Head Start East Building (HSE)
20. Pavilion
21. Learning & Healing Garden

- A - J Parking Lots
- D Disabled Parking
- R Reserved Parking
- M Motorcycle Parking
- ★ Visitors
- AED External Defibrillator (AED)
- Gender Neutral Restroom

**Note:** Buildings are not physically numbered. The numbers on this map are for key purposes only. Parking permits are required in all lots.



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

PERIODICALS

WSS CAR-RT PRESORT  
RESIDENTIAL CUSTOMER

## Come to LCC and discover what you can be.

Whether you are preparing to enter or move up in the workforce, planning to transfer to a university, or just want to learn something new, LCC offers a high quality, affordable option located right here in the community.

Take a look inside and start planning your next chapter.

- What's new at LCC – page 3
- How to pay for college – page 7
- University transfer options – page 8
- Preparing for the workforce – page 9
- Special services for veterans – page 10
- Join the LCC Alumni Association – page 11
- See if you qualify for special funding for college – page 13
- Class offerings – page 15
- Donate to the Student Success Fund – page 16
- Host an International Student – page 17
- Sign up to receive emergency text alerts from LCC – page 18
- Arts and Entertainment – page 24
- How to attend LCC tuition-free while you're in high school – page 25
- Lower Columbia Regional University Center – page 25
- Corporate and Continuing Education – page 38

**Learn more at**  
**lowercolumbia.edu**

